**Supp. file 1.** Comprehensive measurements (in mm) of Pseudocetherinae Villiers, 1963. <https://doi.org/10.5852/ejt.2022.788.1625.5795>

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplemental Table 1** Comprehensive measurements (in mm) of Pseudocetherinae | Abdomen width | | 2.51 | 2.49 | 2.51 | 2.86 | 3.14 | 3.15 | 2.42 | 3.25 | 3.76 | 3.61 | 4.04 | 0.43 | 4.03 | 3.33 | 3.06 | 2.18 | 2.59 | 2.73 | 2.89 | 2.80 | ? | 3.33 | 2.91 | 2.97 | 2.68 | 2.86 | 2.90 | 2.92 | 2.18 | 3.31 | 3.04 | 3.51 | 0.47 | 4.21 | 2.52 | 4.00 | 3.20 |
| Abdomen length | | 3.77 | 3.86 | 3.76 | 4.44 | 4.92 | 5.40 | 4.21 | 5.97 | 5.70 | 5.56 | 5.92 | 0.37 | 4.03 | 5.81 | 5.13 | 3.61 | 4.37 | ? | 4.88 | 4.48 | 5.07 | 4.92 | 4.74 | 4.96 | 4.72 | 4.65 | 4.99 | 4.94 | 4.33 | 5.59 | 5.16 | 5.87 | 0.71 | 6.71 | 4.55 | 6.17 | 5.36 |
| Scutellum max. width | | 0.91 | 0.89 | 0.79 | 0.89 | ? | ? | 0.93 | 1.21 | 1.30 | 1.13 | 1.39 | 0.27 | 1.42 | 1.32 | 1.22 | 0.84 | 0.48 | ? | 1.13 | ? | 1.25 | 1.55 | ? | 1.17 | 1.06 | 1.19 | 1.22 | 1.15 | 0.97 | 1.32 | 1.30 | 1.33 | 0.03 | 1.56 | 1.09 | 1.64 | 1.35 |
| Scutellum length | | 1.10 | 1.06 | 0.99 | 1.18 | ? | 2.10 | 1.38 | 1.86 | 1.99 | 1.90 | 2.08 | 0.18 | 2.03 | 2.17 | 1.89 | 1.12 | 0.92 | ? | 1.67 | 1.74 | 1.91 | 1.97 | 1.59 | 1.91 | 1.55 | 1.54 | 1.78 | 1.71 | 1.59 | 2.14 | 2.09 | 2.25 | 0.16 | 2.22 | 1.61 | 2.10 | 1.86 |
| Pronotum | Posterior lobe max. width | 2.12 | 1.97 | 1.73 | 2.09 | 2.70 | 2.60 | 2.04 | 2.77 | 3.06 | 3.00 | 3.17 | 0.17 | 3.11 | 2.93 | 2.70 | 1.76 | 1.60 | ? | 2.04 | ? | 2.65 | 2.69 | 1.20 | 2.68 | ? | 2.57 | 2.54 | 2.52 | 2.33 | 2.87 | 2.84 | 2.89 | 0.05 | 3.30 | 2.29 | 3.22 | 1.65 |
| Anterior lobe max. width | 1.34 | 1.27 | 1.25 | 1.29 | 1.59 | 1.53 | 1.33 | 1.64 | 1.82 | 1.73 | 1.88 | 0.16 | 1.86 | 1.68 | 1.63 | 1.11 | 0.98 | ? | 1.28 | 1.51 | 1.66 | 1.65 | 1.49 | 1.48 | ? | 1.63 | 1.55 | 1.43 | 1.37 | 1.72 | 1.72 | 1.74 | 0.02 | 2.03 | 1.34 | 1.89 | 2.69 |
| Posterior lobe length | 1.07 | 0.90 | 1.06 | 0.94 | 1.01 | 0.95 | 0.88 | 1.28 | 1.37 | 1.28 | 1.45 | 0.17 | 1.36 | 1.37 | 1.21 | 0.84 | 0.65 | ? | 0.90 | 1.08 | 1.12 | 1.07 | 1.07 | 1.08 | 1.10 | 1.26 | 1.15 | 1.17 | 0.96 | 1.35 | 1.22 | 1.42 | 0.20 | 1.51 | 1.00 | 1.17 | 1.25 |
| Anterior lobe length without collar | 0.59 | 0.72 | 0.68 | 0.67 | 0.71 | 1.10 | 0.61 | 0.82 | 0.77 | 0.72 | 0.87 | 0.15 | 0.76 | 0.76 | 0.82 | 0.56 | 0.52 | ? | 0.74 | 0.73 | 0.71 | 0.78 | 0.83 | 0.82 | 0.71 | 0.67 | 0.79 | 0.53 | 0.67 | 0.76 | 0.74 | 0.80 | 0.06 | 0.91 | 0.62 | 0.78 | 0.71 |
| Total length | 1.64 | 1.62 | 1.73 | 1.61 | 1.74 | 2.03 | 1.48 | 2.10 | 2.14 | 2.08 | 2.20 | 0.12 | 2.13 | 2.12 | 2.04 | 1.40 | 1.17 | ? | 1.63 | 1.81 | 1.83 | 1.86 | 1.89 | 1.89 | 1.79 | 1.93 | 1.95 | 1.70 | 1.62 | 2.10 | 1.97 | 2.17 | 0.20 | 2.41 | 1.62 | 1.94 | 1.96 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Labium length | Segment III | 0.20 | ? | ? | 0.21 | 0.35 | 0.34 | ? | ? | 0.36 | 0.36 | 0.36 | 0.00 | ? | ? | ? | ? | 0.34 | 0.29 | ? | ? | 0.31 | 0.30 | ? | ? | 0.27 | ? | 0.24 | 0.33 | 0.32 | 0.33 | ? | ? | ? | 0.38 | ? | ? | 0.43 |
| Segment II ventral surface | 0.15 | 0.28 | ? | 0.26 | 0.31 | 0.47 | 0.20 | 0.45 | 0.38 | 0.30 | 0.44 | 0.14 | ? | 0.45 | ? | 0.15 | 0.17 | 0.20 | 0.20 | ? | 0.17 | 0.21 | 0.31 | ? | 0.41 | 0.34 | 0.31 | 0.42 | ? | 0.32 | 0.19 | 0.44 | 0.25 | 0.28 | 0.27 | 0.48 | 0.48 |
| Segment II dorsal surface | 0.49 | 0.60 | ? | 0.59 | 0.52 | 0.70 | 0.28 | 0.68 | 0.65 | 0.61 | 0.67 | 0.06 | 0.40 | 0.67 | 0.67 | 0.32 | 0.39 | 0.39 | 0.38 | ? | 0.37 | 0.45 | 0.46 | 0.53 | 0.66 | 0.57 | 0.54 | 0.62 | 0.52 | 0.43 | 0.31 | 0.55 | 0.24 | 0.46 | 0.46 | 0.72 | 0.65 |
| Segment I | 0.62 | 0.69 | ? | 0.68 | 0.87 | 1.86 | 0.86 | 1.04 | 1.23 | 1.16 | 1.29 | 0.13 | 0.62 | 1.39 | 1.27 | 1.09 | 1.07 | 1.15 | 1.29 | 1.03 | 1.06 | 1.10 | 1.08 | 1.06 | 1.11 | 1.04 | 1.16 | 1.18 | 1.10 | 0.99 | 0.77 | 1.22 | 0.46 | 1.11 | 0.94 | 0.97 | 1.11 |
| Pedicel length | | 0.91 | 1.04 | 1.10 | 1.14 | 1.18 | 2.13 | 1.19 | 2.15 | 1.76 | 1.72 | 1.78 | 0.06 | 1.61 | 2.36 | 1.61 | 1.09 | 1.50 | 1.42 | 1.62 | 1.55 | 1.91 | 2.15 | 1.32 | 1.30 | 1.17 | 1.33 | 1.00 | 1.32 | 0.94 | 1.94 | 1.90 | 1.98 | 0.08 | 2.18 | 1.20 | 1.85 | 1.35 |
| Scape length | | 0.29 | 0.31 | 0.30 | 0.30 | 0.33 | 0.51 | ? | 0.41 | 0.36 | 0.34 | 0.38 | 0.04 | 0.29 | 0.44 | 0.32 | 0.27 | 0.31 | 0.36 | 0.35 | 0.34 | 0.35 | 0.38 | ? | 0.35 | 0.24 | 0.37 | 0.32 | 0.33 | 0.30 | 0.38 | 0.36 | 0.39 | 0.03 | 0.43 | ? | 0.39 | 0.44 |
| Width between ocelli | | 0.17 | 0.18 | 0.15 | 0.16 | 0.23 | 0.36 | 0.24 | 0.37 | 0.34 | 0.30 | 0.38 | 0.08 | 0.45 | 0.33 | 0.37 | 0.25 | 0.21 | 0.26 | 0.37 | 0.38 | 0.30 | 0.28 | 0.28 | 0.35 | 0.28 | 0.28 | 0.29 | 0.31 | 0.26 | 0.27 | 0.25 | 0.30 | 0.05 | 0.24 | 0.24 | 0.30 | 0.32 |
| Ocellus length | | 0.08 | 0.08 | 0.10 | 0.09 | 0.11 | 0.14 | 0.12 | 0.19 | 0.19 | 0.17 | 0.22 | 0.05 | 0.10 | 0.15 | 0.13 | 0.10 | 0.13 | 0.11 | 0.13 | 0.16 | 0.20 | 0.22 | 0.13 | 0.13 | 0.10 | 0.14 | 0.11 | 0.15 | 0.12 | 0.17 | 0.14 | 0.21 | 0.07 | 0.19 | 0.13 | 0.13 | 0.16 |
| Eye | Width | 0.20 | 0.24 | 0.21 | 0.21 | 0.28 | 0.41 | 0.33 | 0.37 | 1.20 | 0.42 | 4.22 | 3.80 | 0.37 | 0.44 | 0.38 | 0.25 | 0.25 | 0.30 | 0.26 | 0.33 | 0.43 | 0.42 | 0.25 | 0.37 | 0.33 | 0.35 | 0.33 | 0.39 | 0.38 | 0.39 | 0.33 | 0.42 | 0.10 | 0.35 | 0.33 | 0.40 | 0.34 |
| Length | 0.41 | 0.35 | 0.37 | 0.35 | 0.43 | 0.58 | 0.44 | 0.54 | 0.57 | 0.54 | 0.59 | 0.05 | 0.51 | 0.56 | 0.58 | 0.33 | 0.36 | 0.41 | 0.37 | 0.44 | 0.57 | 0.60 | 0.42 | 0.50 | 0.51 | 0.56 | 0.51 | 0.55 | 0.46 | 0.56 | 0.45 | 0.61 | 0.16 | 0.63 | 0.53 | 0.62 | 0.56 |
| Synthlipsis | | 0.36 | 0.50 | 0.43 | 0.42 | 0.36 | 0.38 | 0.39 | 0.49 | 0.46 | 0.41 | 0.49 | 0.09 | 0.57 | 0.37 | 0.43 | 0.30 | 0.29 | 0.32 | 0.37 | 0.49 | 0.43 | 0.43 | 0.35 | 0.43 | 0.46 | 0.43 | 0.36 | 0.38 | 0.31 | 0.44 | 0.39 | 0.48 | 0.09 | 0.51 | 0.36 | 0.43 | 0.42 |
| Postocular | | 0.37 | 0.49 | 0.45 | 0.37 | 0.40 | 0.76 | 0.35 | 0.57 | 0.56 | 0.46 | 0.63 | 0.17 | 0.66 | 0.53 | 0.54 | 0.52 | 0.46 | 0.58 | 0.49 | 0.40 | 0.40 | 0.44 | 0.37 | 0.47 | 0.35 | 0.40 | 0.42 | 0.43 | 0.40 | 0.48 | 0.44 | 0.54 | 0.09 | 0.65 | 0.48 | 0.47 | 0.45 |
| Anteocular  to maxillary plates | | 0.31 | 0.37 | 0.34 | 0.33 | 0.32 | 0.71 | 0.26 | 0.43 | 0.51 | 0.43 | 0.57 | 0.14 | 0.60 | 0.49 | 0.45 | 0.45 | 0.39 | 0.43 | 0.49 | 0.39 | 0.39 | 0.35 | 0.34 | 0.44 | 0.34 | 0.42 | 0.40 | 0.42 | 0.39 | 0.50 | 0.45 | 0.57 | 0.12 | 0.62 | 0.40 | 0.36 | 0.46 |
| Anteocular to clypeus | | 0.31 | 0.39 | 0.34 | 0.29 | ? | 0.71 | 0.25 | 0.34 | 0.45 | 0.38 | 0.57 | 0.19 | 0.49 | 0.45 | 0.43 | 0.42 | 0.35 | 0.40 | 0.47 | 0.38 | 0.34 | 0.31 | 0.32 | 0.42 | 0.33 | 0.42 | 0.42 | 0.36 | 0.43 | 0.42 | 0.38 | 0.48 | 0.10 | 0.54 | 0.40 | 0.34 | 0.42 |
| Head | Width across eyes | 0.82 | 0.99 | 0.88 | 0.85 | 0.98 | 1.18 | 1.00 | 1.21 | 1.37 | 1.34 | 1.41 | 0.07 | 1.32 | 1.27 | 1.20 | 0.83 | 0.80 | 0.96 | 0.93 | 1.18 | 1.37 | 1.31 | 0.88 | 1.11 | 0.85 | 1.14 | 1.03 | 1.18 | 1.06 | 1.24 | 1.05 | 1.35 | 0.30 | 1.34 | 1.02 | 1.24 | 1.16 |
| Length maxillary plates to neck | 1.07 | 1.21 | 1.16 | 1.05 | 1.16 | 2.06 | 1.04 | 1.54 | 1.65 | 1.52 | 1.77 | 0.25 | 1.80 | 1.61 | 1.58 | 1.33 | 1.20 | 1.42 | 1.46 | 1.26 | 1.34 | 1.37 | 1.14 | 1.43 | 1.09 | 1.38 | 1.35 | 1.39 | 1.25 | 1.52 | 1.35 | 1.61 | 0.25 | 1.59 | 1.40 | 1.44 | 1.49 |
| Length clypeus to neck | 1.07 | 1.21 | 1.16 | 1.02 | ? | 2.06 | 1.03 | 1.45 | 1.58 | 1.47 | 1.69 | 0.22 | 1.70 | 1.57 | 1.57 | 1.31 | 1.17 | 1.39 | 1.44 | 1.25 | 1.30 | 1.34 | 1.12 | 1.40 | 1.08 | 1.38 | 1.38 | 1.34 | 1.29 | 1.45 | 1.28 | 1.55 | 0.27 | 1.51 | 1.40 | 1.43 | 1.45 |
| Total length clypeus to abdomen | | 7.57 | 7.49 | 7.49 | 7.87 | 9.82 | 10.76 | 7.42 | 10.45 | 10.87 | 10.39 | 11.37 | 0.98 | 11.21 | 10.95 | 10.02 | 7.11 | 7.54 | 8.77 | 9.01 | 8.69 | 9.16 | 9.67 | 9.16 | 9.31 | 8.81 | 9.21 | 9.37 | 8.94 | 8.29 | 10.63 | 10.34 | 10.89 | 0.55 | 12.19 | 8.51 | 11.59 | 10.04 |
|  | USI or Averages | AMNH\_IZC 00321200 | UCR\_ENT 00052189 | UCR\_ENT 00073816 | UCR\_ENT 00052219 | UCR\_ENT 00073810 | AMNH\_PBI 00170707 | AMNH\_PBI 00213935 | UCR\_ENT 00001551 | **Mean** (N = 5) | Min. | Max. | Range | AMNH\_PBI 00170693 | AMNH\_PBI 00170706 | UCR\_ENT 00073809 | AMNH\_PBI 00168747 | AMNH\_PBI 00168745 | AMNH\_PBI 00170709 | AMNH\_PBI 00168748 | AMNH\_PBI 00127097 | AMNH\_PBI 00168749 | AMNH\_PBI 00213934 | UCR\_ENT 00073812 | UCR\_ENT 00073813 | UCR\_ENT 00073814 | UCR\_ENT 00001552 | UCR\_ENT 00127826 | AMNH\_PBI 00170704 | UCR\_ENT 52216 | **Mean** (N = 3) | Min. | Max. | Range | AMNH\_PBI 00170701 | UCR\_ENT 00073811 | RMCA-ENT-000018004 | AMNH\_PBI 00170705 |
|  | Sex | ♂ | ♀ | ♂ | ♀ | ♂ | ♂ | ♀ | ♀ | ♂ |  |  |  | ♀ | ♂ | ♂ | ♂ | ♂ | ♀ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |  |  |  | ♀ | ♂ | ♀ | ♂ |
|  | Species | *Gerbelius typicus* | *Gerbelius* sp.1 | *Gerbelius* sp.2 | *Gerbelius* sp.3 | *Voconia bakeri* | *Voconia bracata* | *Voconia brachycephala* | *Voconia chrysoptera* | *Voconia conradti* |  |  |  |  | *Voconia coronata* | *Voconia decorata* | *Voconia dolichocephala* |  |  |  | *Voconia fasciata* | *Voconia grandioculata* |  | *Voconia hemera* |  | *Voconia isosceles* | *Voconia laosensis* | *Voconia lasiosoma* | *Voconia lirophleps* | *Voconia loki* | *Voconia mexicana* |  |  |  |  | *Voconia minima* | *Voconia motoensis* | *Voconia nyx* |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplemental Table 1** Comprehensive measurements (in mm) of Pseudocetherinae (continued) | Abdomen width | | 2.60 | 2.60 | 2.71 | ? | ? | ? | 3.51 | 3.25 | 3.66 | 0.41 | 3.36 | 2.18 | 3.33 | 3.13 | 2.66 | 3.42 | 2.26 | ? | ? | ? | 2.66 | 2.40 | ? | 3.92 | 2.44 | 2.48 |
| Abdomen length | | 4.25 | 4.49 | 4.74 | ? | ? | ? | 5.50 | 5.24 | 5.64 | 0.41 | 5.76 | 3.61 | 5.08 | 5.20 | 3.92 | 5.56 | 4.27 | ? | ? | ? | 4.74 | 4.58 | ? | 6.23 | 3.76 | 4.34 |
| Scutellum max. width | | 1.02 | 1.16 | 1.06 | 1.04 | 1.08 | 0.04 | 1.41 | 1.35 | 1.47 | 0.12 | 1.42 | ? | 1.20 | 1.26 | 0.97 | 1.35 | 0.94 | 0.93 | 0.98 | 0.05 | 0.87 | ? | 0.98 | ? | 1.06 | 1.17 |
| Scutellum length | | 1.48 | 1.54 | 1.36 | 1.34 | 1.38 | 0.04 | 2.20 | 2.07 | 2.37 | 0.30 | 2.08 | ? | 1.91 | 1.89 | 1.28 | 1.91 | 1.60 | 1.47 | 1.67 | 0.19 | 1.56 | 1.61 | 1.67 | 2.18 | 1.50 | 1.50 |
| Pronotum | Posterior lobe max. width | 2.20 | 2.40 | 1.95 | 1.61 | 2.29 | 0.68 | 2.87 | 2.76 | 3.00 | 0.25 | 2.73 | ? | ? | 2.68 | 2.08 | 2.88 | 2.04 | 1.99 | 2.14 | 0.16 | 2.02 | 1.90 | 2.08 | 3.11 | 2.07 | 2.24 |
| Anterior lobe max. width | 1.37 | 1.50 | 1.30 | 1.05 | 1.47 | 0.42 | 1.87 | 1.77 | 1.96 | 0.18 | ? | ? | 1.63 | 1.58 | 1.25 | 1.69 | 1.23 | 1.18 | 1.32 | 0.14 | 1.24 | 1.19 | 1.26 | 1.86 | 1.38 | 1.33 |
| Posterior lobe length | 0.91 | 0.94 | 0.83 | 0.65 | 0.99 | 0.34 | 1.15 | 1.07 | 1.19 | 0.12 | 1.10 | 0.43 | 1.29 | 1.09 | 0.98 | 1.23 | 0.95 | 0.93 | 0.97 | 0.04 | 0.96 | 0.79 | 1.02 | 1.13 | 0.81 | 0.93 |
| Anterior lobe length without collar | 0.65 | 0.66 | 0.61 | 0.51 | 0.66 | 0.15 | 0.94 | 0.82 | 1.02 | 0.20 | 0.90 | 0.55 | 0.70 | 0.85 | 0.68 | 0.63 | 0.63 | 0.59 | 0.66 | 0.07 | 0.69 | 0.64 | 0.64 | 1.12 | 0.77 | 0.73 |
| Total length | 1.58 | 1.59 | 1.43 | 1.16 | 1.64 | 0.49 | 2.10 | 1.83 | 2.31 | 0.48 | 2.01 | 0.96 | 1.99 | 1.95 | 1.68 | 1.88 | 1.58 | 1.56 | 1.63 | 0.07 | 1.64 | 1.43 | 1.66 | 2.27 | 1.58 | 1.66 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Labium length | Segment III | 0.34 | 0.33 | 0.37 | 0.34 | 0.40 | 0.07 | 0.39 | 0.37 | 0.40 | 0.03 | ? | ? | ? | ? | ? | ? | 0.31 | 0.29 | 0.31 | 0.02 | 0.27 | 0.31 | 0.32 | 0.40 | 0.21 | 0.14 |
| Segment II ventral surface | 0.31 | 0.39 | 0.32 | 0.30 | 0.34 | 0.04 | 0.23 | 0.22 | 0.24 | 0.02 | 0.26 | ? | ? | ? | ? | 0.45 | 0.19 | 0.16 | 0.22 | 0.06 | 0.20 | 0.20 | 0.26 | 0.48 | 0.14 | 0.40 |
| Segment II dorsal surface | 0.51 | 0.54 | 0.47 | 0.46 | 0.48 | 0.02 | 0.53 | 0.50 | 0.55 | 0.05 | 0.47 | ? | ? | ? | ? | 0.68 | 0.36 | 0.33 | 0.40 | 0.08 | 0.36 | 0.35 | 0.43 | 0.76 | 0.30 | 0.37 |
| Segment I | 1.00 | 1.12 | 1.00 | 0.95 | 1.05 | 0.10 | 1.26 | 1.24 | 1.27 | 0.03 | 1.19 | ? | ? | ? | ? | 1.12 | 1.24 | 1.20 | 1.28 | 0.09 | 1.13 | 1.14 | 1.21 | 2.01 | 0.83 | 1.61 |
| Pedicel length | | 1.34 | 1.27 | 1.48 | 1.26 | 1.75 | 0.49 | 2.06 | 1.92 | 2.20 | 0.28 | 1.80 | 0.59 | 1.67 | 1.57 | 0.90 | 1.42 | 1.63 | 1.43 | 1.80 | 0.37 | 1.50 | 1.42 | 2.12 | 2.37 | ? | 1.11 |
| Scape length | | 0.31 | 0.38 | 0.31 | 0.30 | 0.33 | 0.03 | 0.39 | 0.36 | 0.42 | 0.06 | 0.32 | 0.23 | 0.30 | 0.31 | 0.26 | 0.39 | 0.36 | 0.31 | 0.40 | 0.09 | 0.38 | 0.29 | 0.36 | 0.57 | ? | 0.29 |
| Width between ocelli | | 0.24 | 0.20 | 0.23 | 0.22 | 0.24 | 0.02 | 0.44 | 0.43 | 0.47 | 0.03 | 0.42 | 0.35 | 0.37 | 0.37 | 0.32 | 0.32 | 0.25 | 0.25 | 0.26 | 0.02 | 0.30 | 0.26 | 0.24 | 0.31 | 3.42 | 0.35 |
| Ocellus length | | 0.15 | 0.15 | 0.12 | 0.11 | 0.13 | 0.01 | 0.18 | 0.17 | 0.19 | 0.02 | 0.13 | 0.05 | 0.13 | 0.12 | 0.13 | 0.15 | 0.15 | 0.15 | 0.16 | 0.01 | 0.12 | 0.15 | 0.17 | 0.16 | 0.11 | 0.06 |
| Eye | Width | 0.26 | 0.28 | 0.23 | 0.19 | 0.26 | 0.07 | 0.40 | 0.38 | 0.42 | 0.04 | 0.30 | 0.26 | 0.33 | 0.30 | 0.28 | 0.32 | 0.29 | 0.24 | 0.33 | 0.09 | 0.27 | 0.27 | 0.30 | 0.44 | 0.28 | 0.34 |
| Length | 0.40 | 0.42 | 0.39 | 0.30 | 0.45 | 0.15 | 0.52 | 0.50 | 0.53 | 0.04 | 0.44 | 0.31 | 0.49 | 0.43 | 0.37 | 0.51 | 0.42 | 0.38 | 0.49 | 0.11 | 0.41 | 0.34 | 0.44 | 0.66 | 0.42 | 0.41 |
| Synthlipsis | | 0.39 | 0.44 | 0.40 | 0.31 | 0.45 | 0.14 | 0.56 | 0.55 | 0.57 | 0.02 | 0.54 | 0.43 | 0.45 | 0.47 | 0.45 | 0.44 | 0.35 | 0.33 | 0.38 | 0.04 | 0.38 | 0.34 | 0.38 | 0.38 | 0.40 | 0.39 |
| Postocular | | 0.42 | 0.46 | 0.42 | 0.33 | 0.48 | 0.15 | 0.60 | 0.59 | 0.61 | 0.02 | 0.53 | 0.31 | 0.51 | 0.42 | 0.35 | 0.50 | 0.52 | 0.49 | 0.56 | 0.07 | 0.50 | 0.51 | 0.51 | 0.78 | 0.38 | 0.50 |
| Anteocular  to maxillary plates | | 0.41 | 0.42 | 0.36 | 0.31 | 0.40 | 0.09 | 0.58 | 0.56 | 0.60 | 0.04 | 0.53 | 0.62 | 0.53 | 0.56 | 0.55 | 0.53 | 0.47 | 0.41 | 0.49 | 0.08 | 0.46 | 0.43 | 0.46 | 0.78 | 0.28 | ? |
| Anteocular to clypeus | | 0.40 | 0.40 | 0.34 | 0.29 | 0.38 | 0.09 | 0.56 | 0.56 | 0.56 | 0.01 | 0.52 | 0.55 | 0.47 | 0.48 | 0.52 | 0.48 | 0.44 | 0.38 | 0.48 | 0.10 | 0.42 | 0.39 | 0.42 | 0.76 | 0.27 | 0.78 |
| Head | Width across eyes | 0.94 | 0.98 | 0.87 | 0.72 | 0.96 | 0.24 | 1.37 | 1.33 | 1.42 | 0.08 | 1.18 | 0.91 | 1.14 | 1.11 | 0.97 | 1.09 | 0.98 | 0.87 | 1.04 | 0.17 | 0.90 | 0.92 | 0.97 | 1.28 | 0.99 | 1.05 |
| Length maxillary plates to neck | 1.25 | 1.30 | 1.18 | 0.94 | 1.30 | 0.35 | 1.71 | 1.68 | 1.75 | 0.08 | 1.50 | 1.27 | 1.57 | 1.40 | 1.28 | 1.53 | 1.43 | 1.35 | 1.43 | 0.08 | 1.37 | 1.37 | 1.42 | 2.13 | 1.08 | 1.55 |
| Length clypeus to neck | 1.23 | 1.28 | 1.16 | 0.93 | 1.29 | 0.36 | 1.69 | 1.67 | 1.73 | 0.05 | 1.51 | 1.20 | 1.50 | 1.33 | 1.25 | 1.48 | 1.39 | 1.33 | 1.42 | 0.09 | 1.33 | 1.33 | 1.38 | 2.13 | 1.07 | 1.55 |
| Total length clypeus to abdomen | | 8.04 | 8.69 | 8.15 | 7.80 | 8.51 | 0.71 | 10.85 | 10.52 | 11.32 | 0.80 | 10.72 | 6.75 | 9.76 | 9.74 | 7.96 | 10.08 | 8.56 | 7.93 | 8.86 | 0.93 | 8.81 | 8.44 | 8.64 | 12.39 | 7.15 | 9.08 |
|  | USI or Averages | AMNH\_PBI 00213933 | AMNH\_PBI 00170696 | **Mean** (N = 3) | Min. | Max. | Range | **Mean** (N = 3) | Min. | Max. | Range | AMNH\_PBI 00170708 | UCR\_ENT 00070524 | UCR\_ENT 00127891 | AMNH\_PBI 00213936 | AMNH\_PBI 00170712 | AMNH\_PBI 00170700 | **Mean** (N = 3) | Min. | Max. | Range | AMNH\_PBI 00168743 | AMNH\_PBI 00168744 | AMNH\_PBI 00168741 | UCR\_ENT 00073815 | AMNH\_PBI 00088406 | RMNH.INS. 1091587 |
|  | Sex | ♂ | ♂ | ♀ |  |  |  | ♂ |  |  |  | ♀ | ♂ | ♂ | ♂ | ♂ | ♀ | ♂ |  |  |  | ♀ | ♀ | ? | ♂ | ♂ | ♂ |
|  | Species | *Voconia ornata* |  |  |  |  |  | *Voconia pallidipes* |  |  |  |  | *Voconia schoutedeni* | *Voconia smithae* |  | *Voconia tridens* | *Voconia trinidadensis* | *Voconia tuberculata* |  |  |  |  |  |  | *Voconia typica* | *Voconia vittata* | *Voconia wegneri* |