

The monogenean which lost its clamps

Supplementary Information file

120 line drawings; for each drawing are indicated:

Family

Species

Body Surface (in μm^2)

Clamp Surface (in μm^2)

Ratio

Reference

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Family: Allodiscocotyliidae

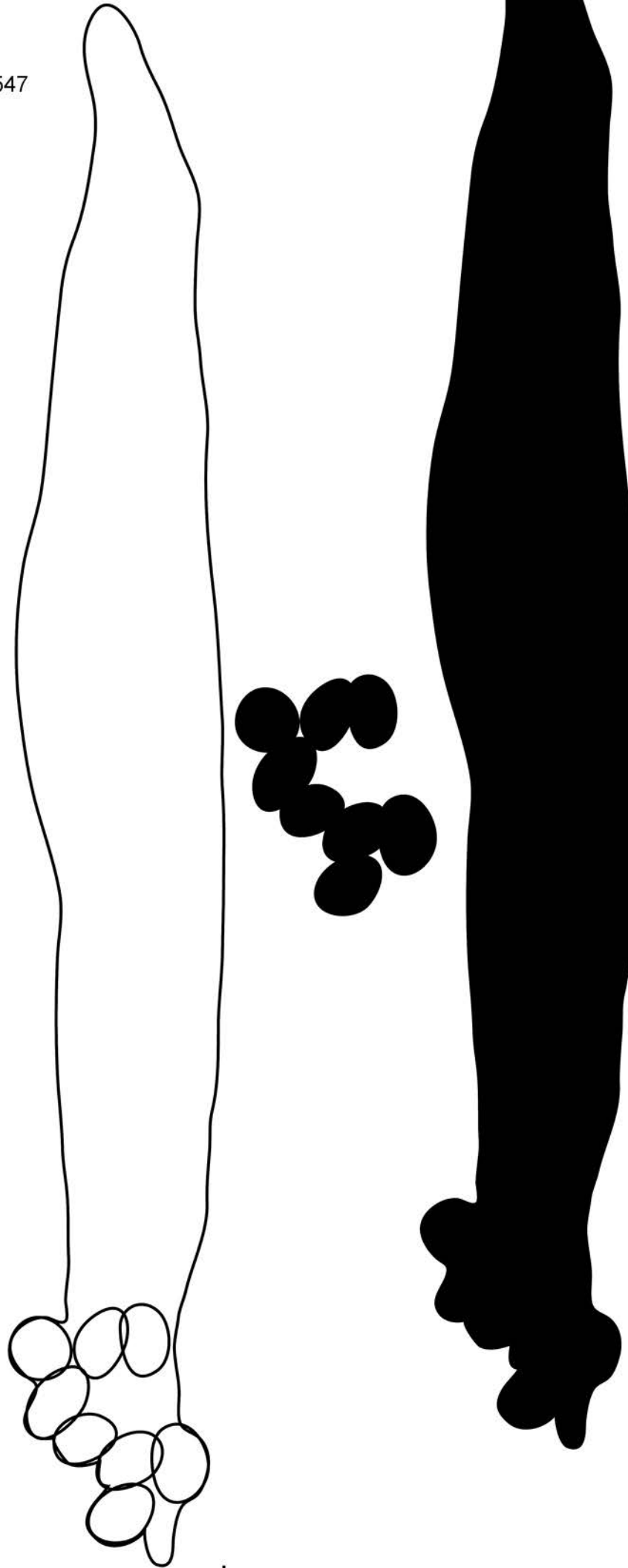
Species: *Allodiscocotyla chorinemi* Yamaguti, 1953

Body Surface: 221,079

Clamp Surface: 23,301

Ratio: 10.54

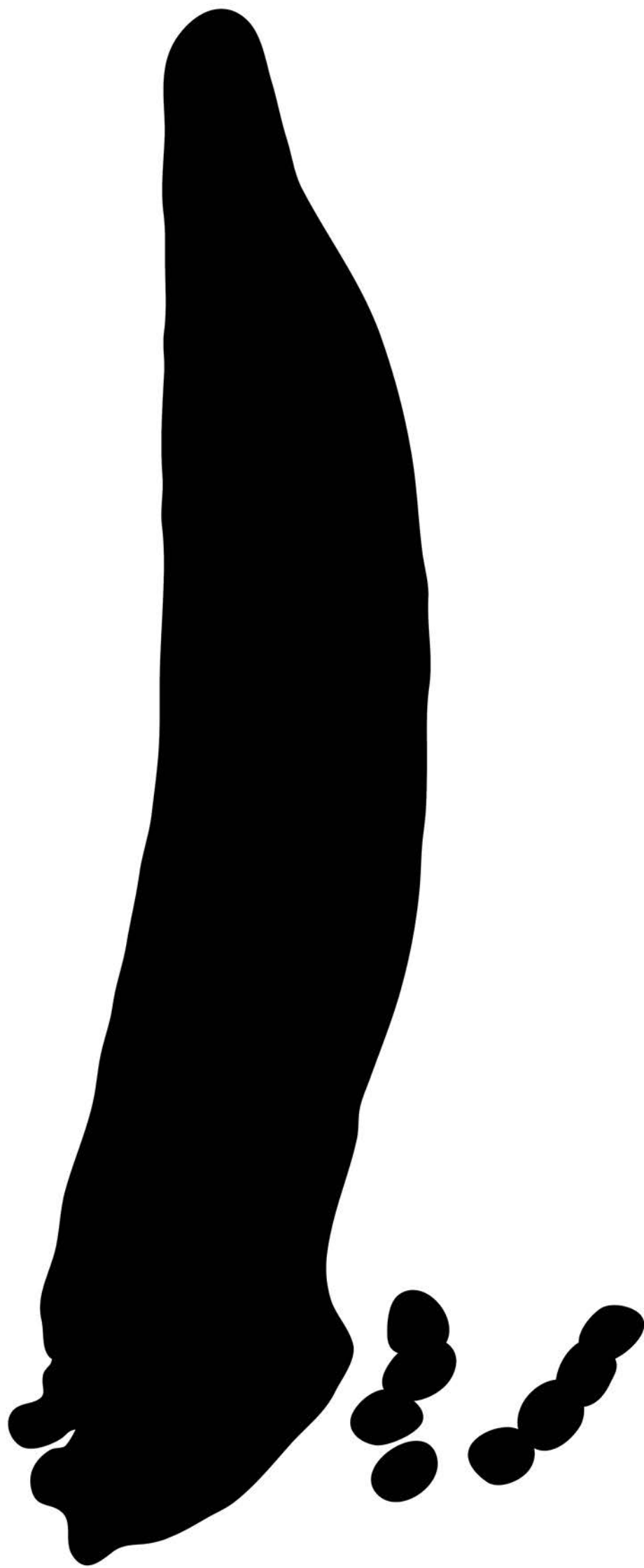
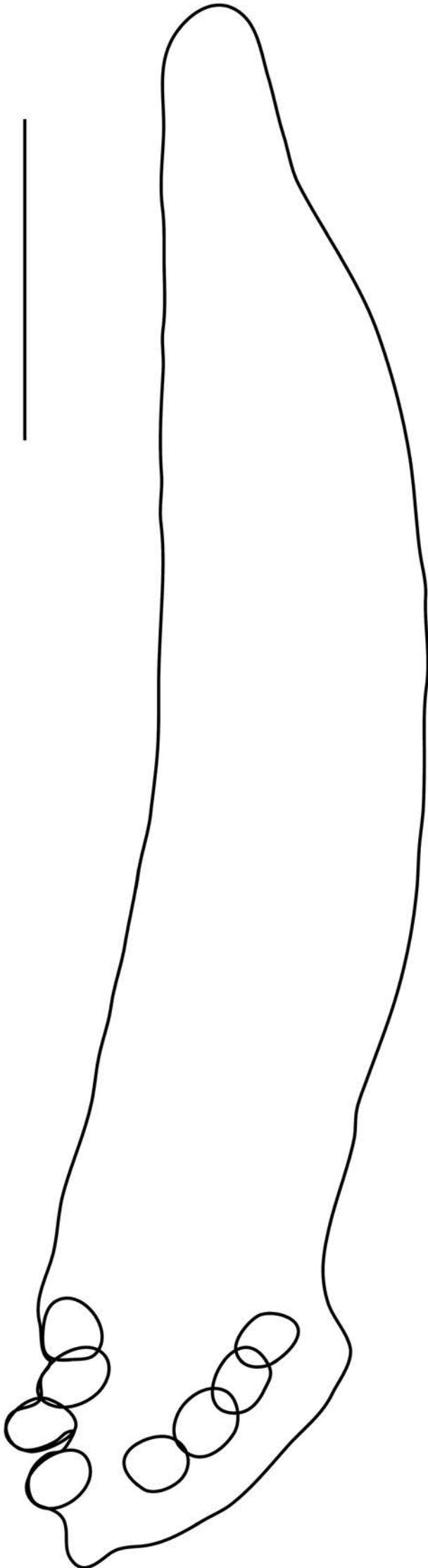
Reference: Yamaguti, 1963, p. 547



0.2 mm

Family: Allodiscocotylidae
Species: *Allodiscocotyla diacanthi* Unnithan, 1962
Body Surface: 891,326
Clamp Surface: 53,724
Ratio: 6.03
Reference: Yamaguti, 1963, p. 547

0.5 mm



Family: Allodiscocotyliidae

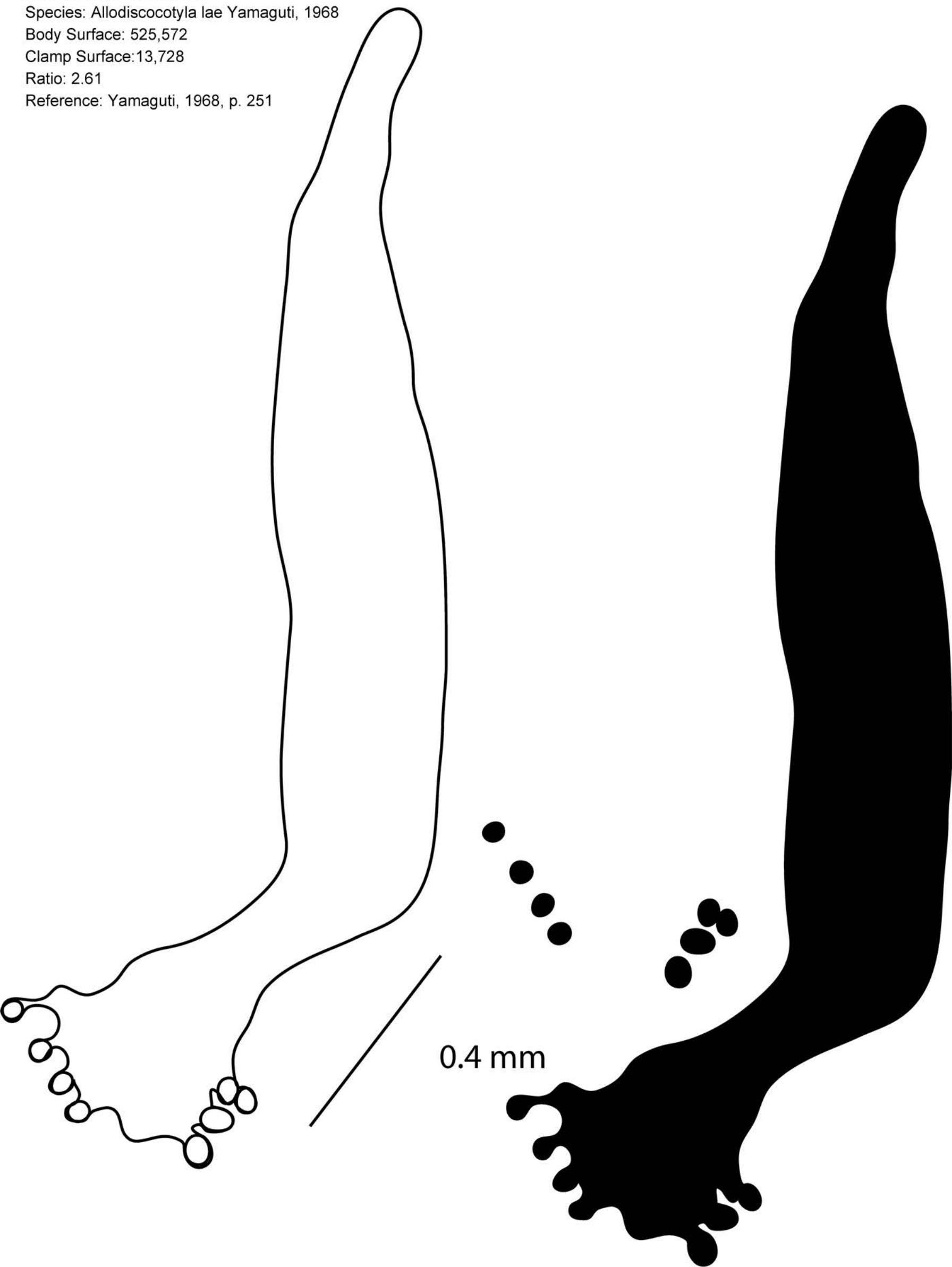
Species: *Allodiscocotyla lae* Yamaguti, 1968

Body Surface: 525,572

Clamp Surface: 13,728

Ratio: 2.61

Reference: Yamaguti, 1968, p. 251



Family: Allodiscocotyliidae

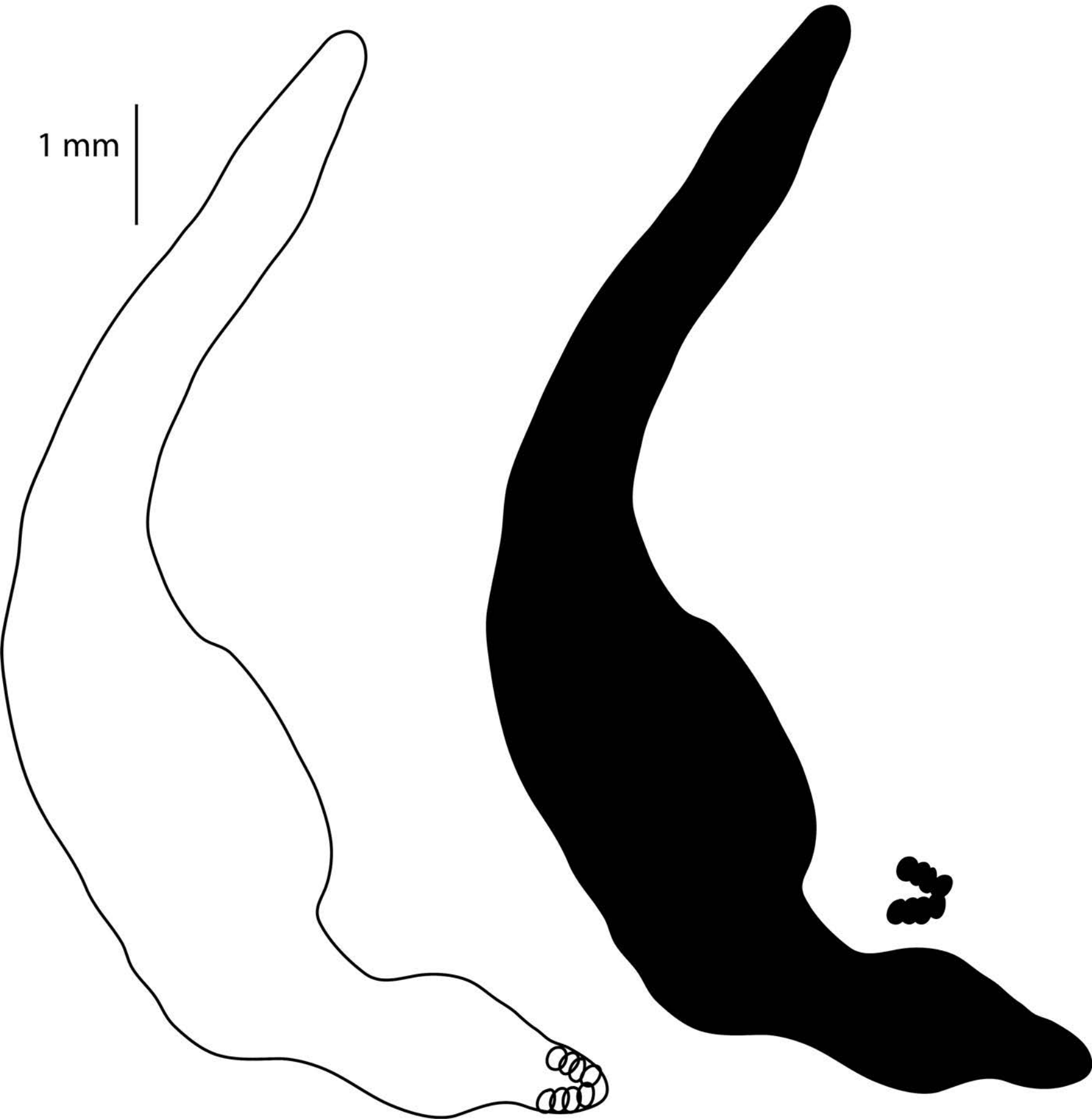
Species: *Camopia rachycentri* Lebedev, 1970

Body Surface: 12,492,318

Clamp Surface: 150,559

Ratio: 1.21

Reference: Lebedev, 1986, p. 152



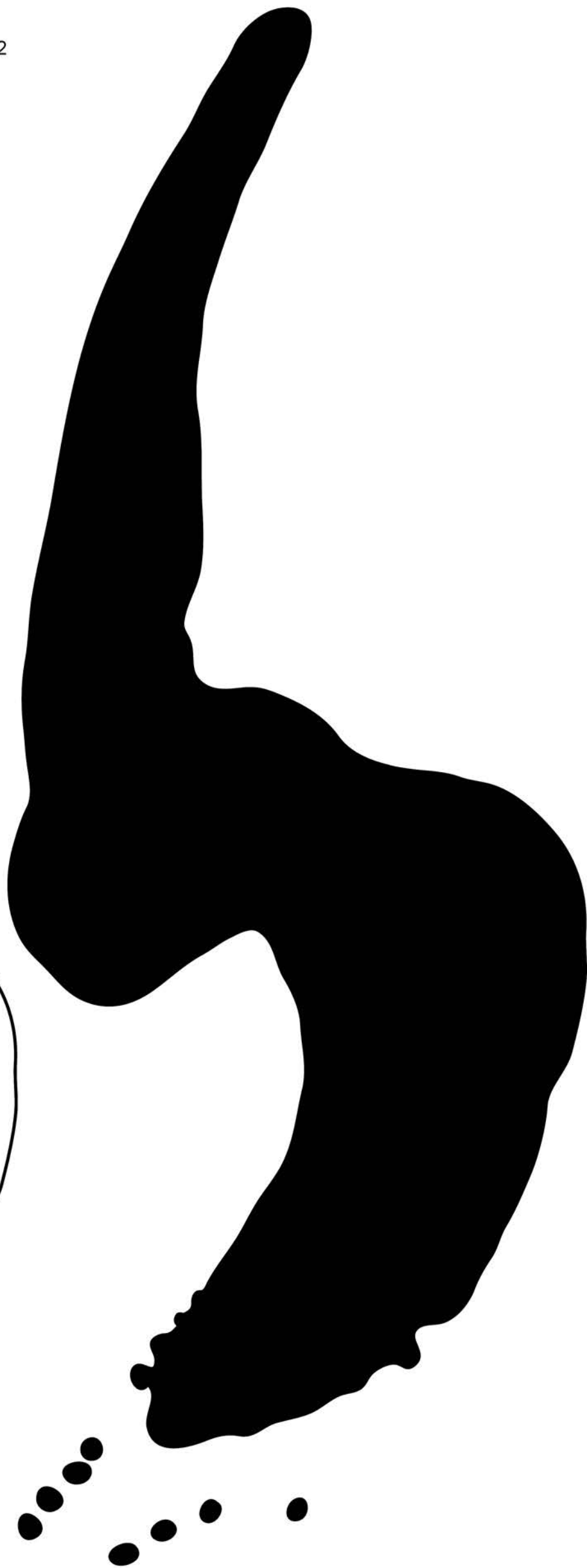
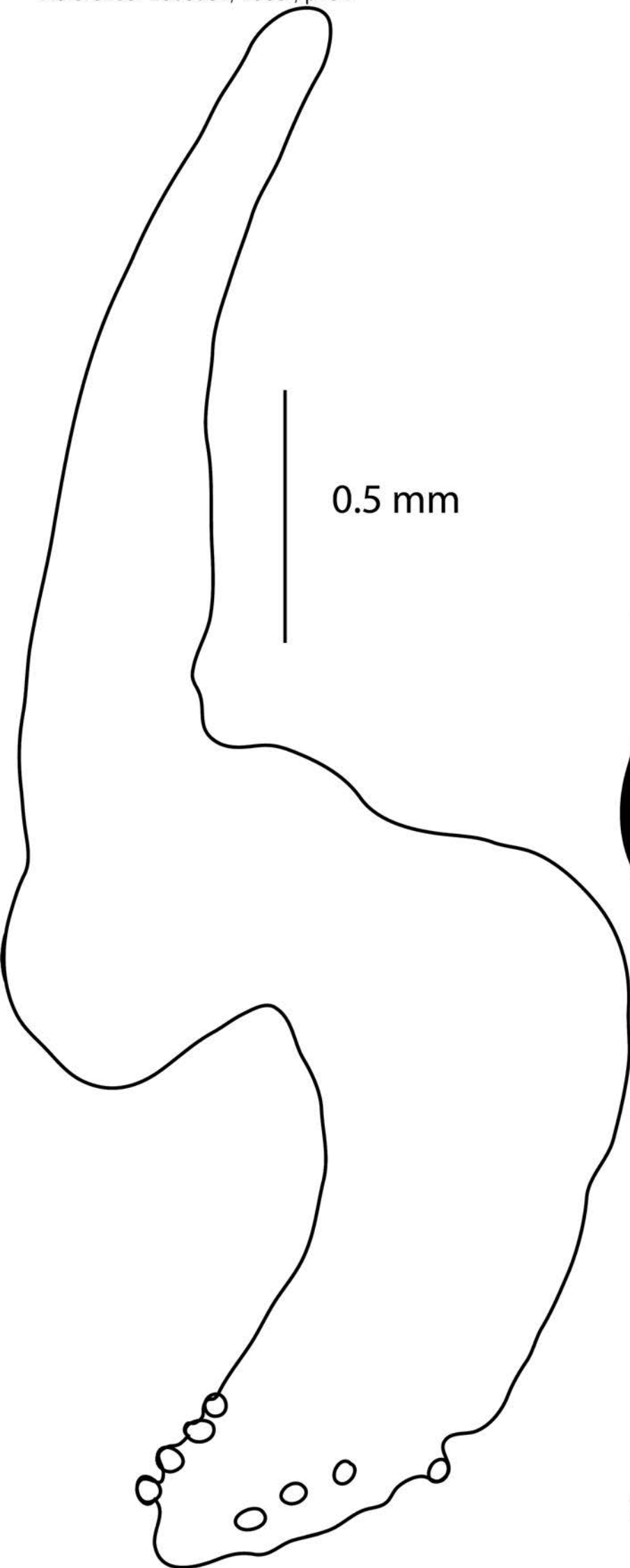
Family: Allodiscocotylidae

Species: *Metacamopia indica* (Unnithan, 1962) Lebedev, 1972

Body Surface: 1488158 ; Clamp Surface: 13866

Ratio: 0,93

Reference: Lebedev, 1986 , p154



Family: Allodiscocotyloidae

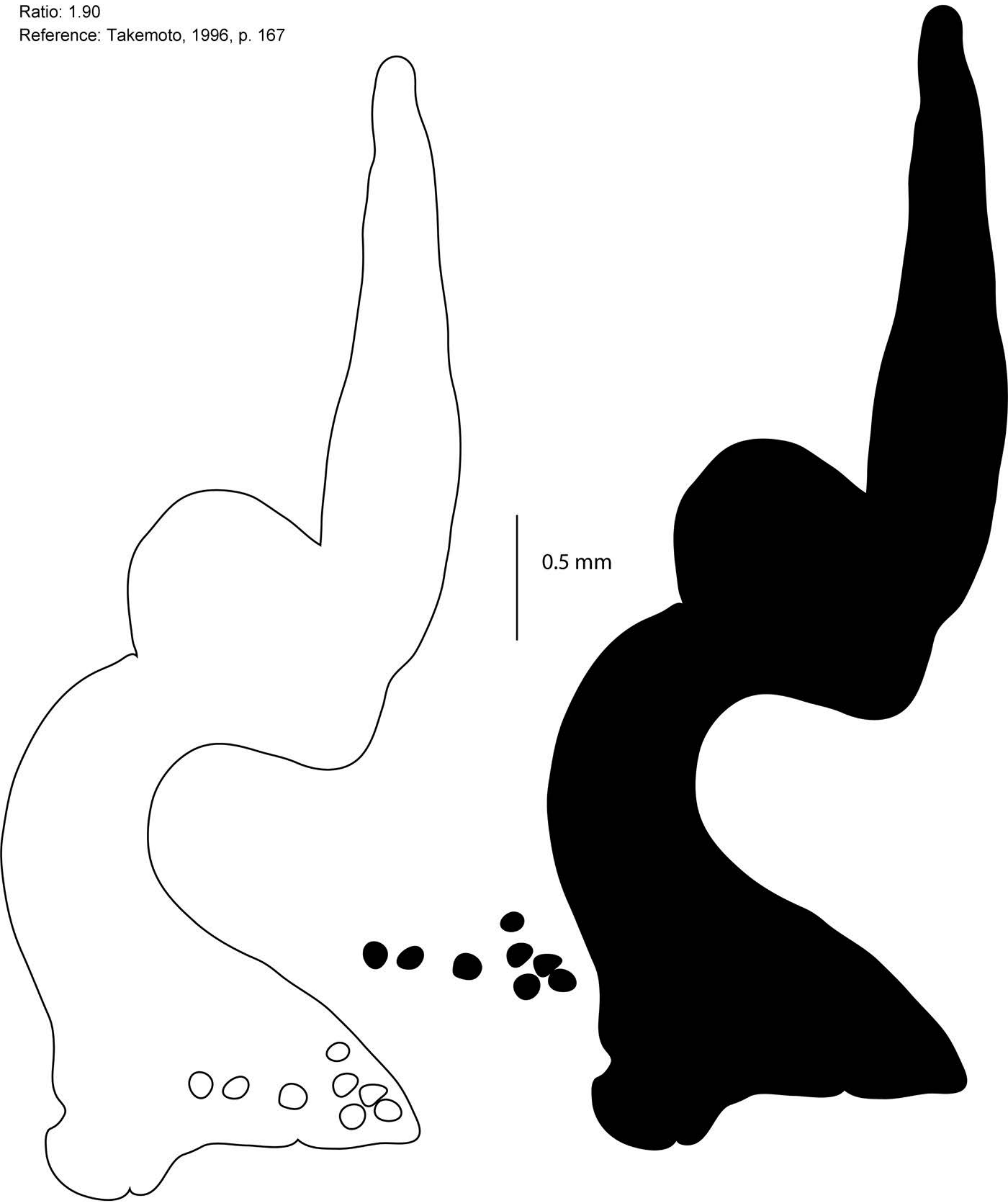
Species: *Metacamopia oligoplites* Takemoto, Amato & Luque, 1996

Body Surface: 3,273,506

Clamp Surface: 62,243

Ratio: 1.90

Reference: Takemoto, 1996, p. 167



Family: Allodiscocotyloidae

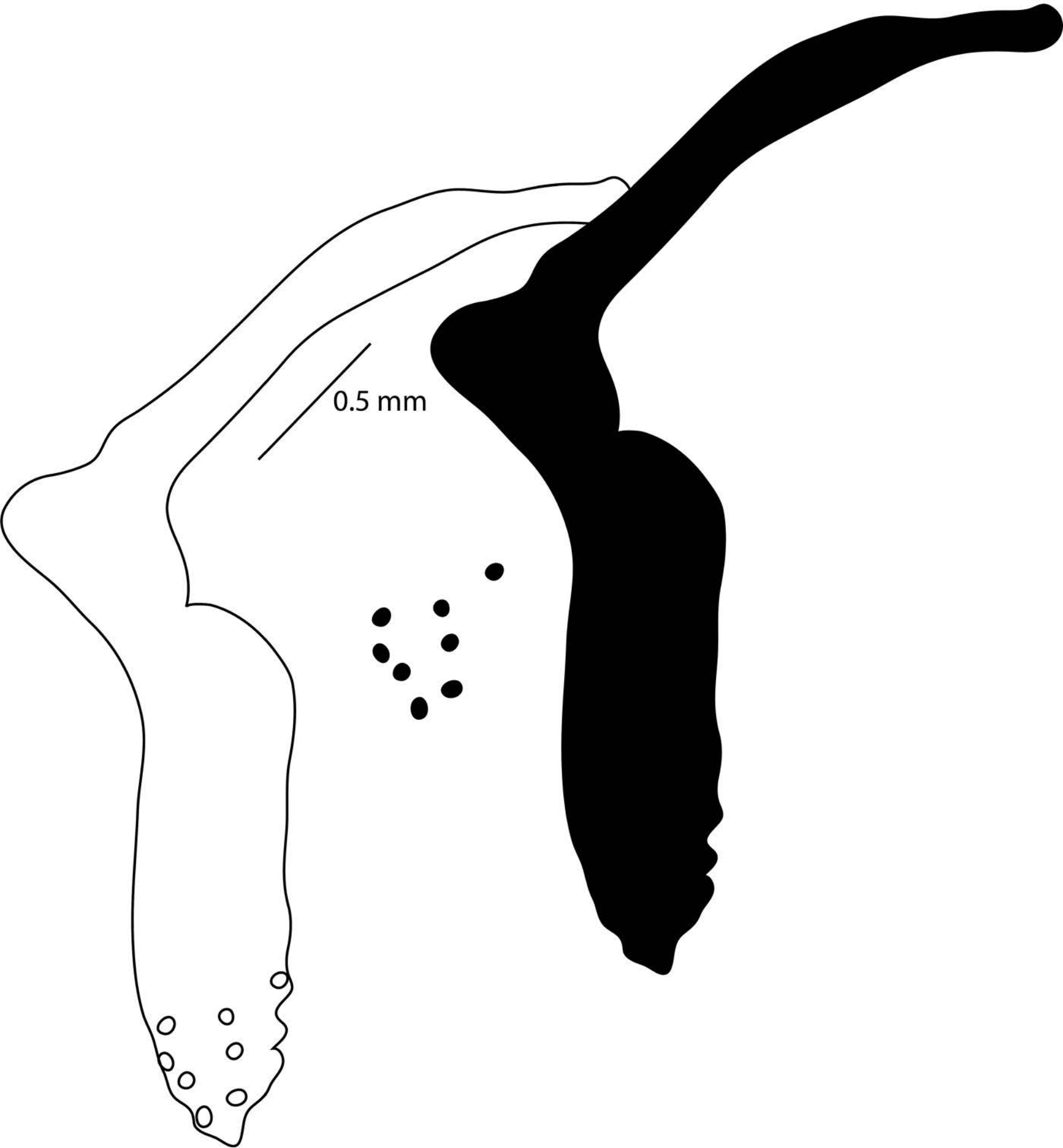
Species: *Vallisia chorinemi* Yamaguti, 1953

Body Surface: 1,278,926

Clamps Surface: 16,737

Ratio: 1.31

Reference: Yamaguti, 1953, p. 65



Family: Allodiscocotyloidae

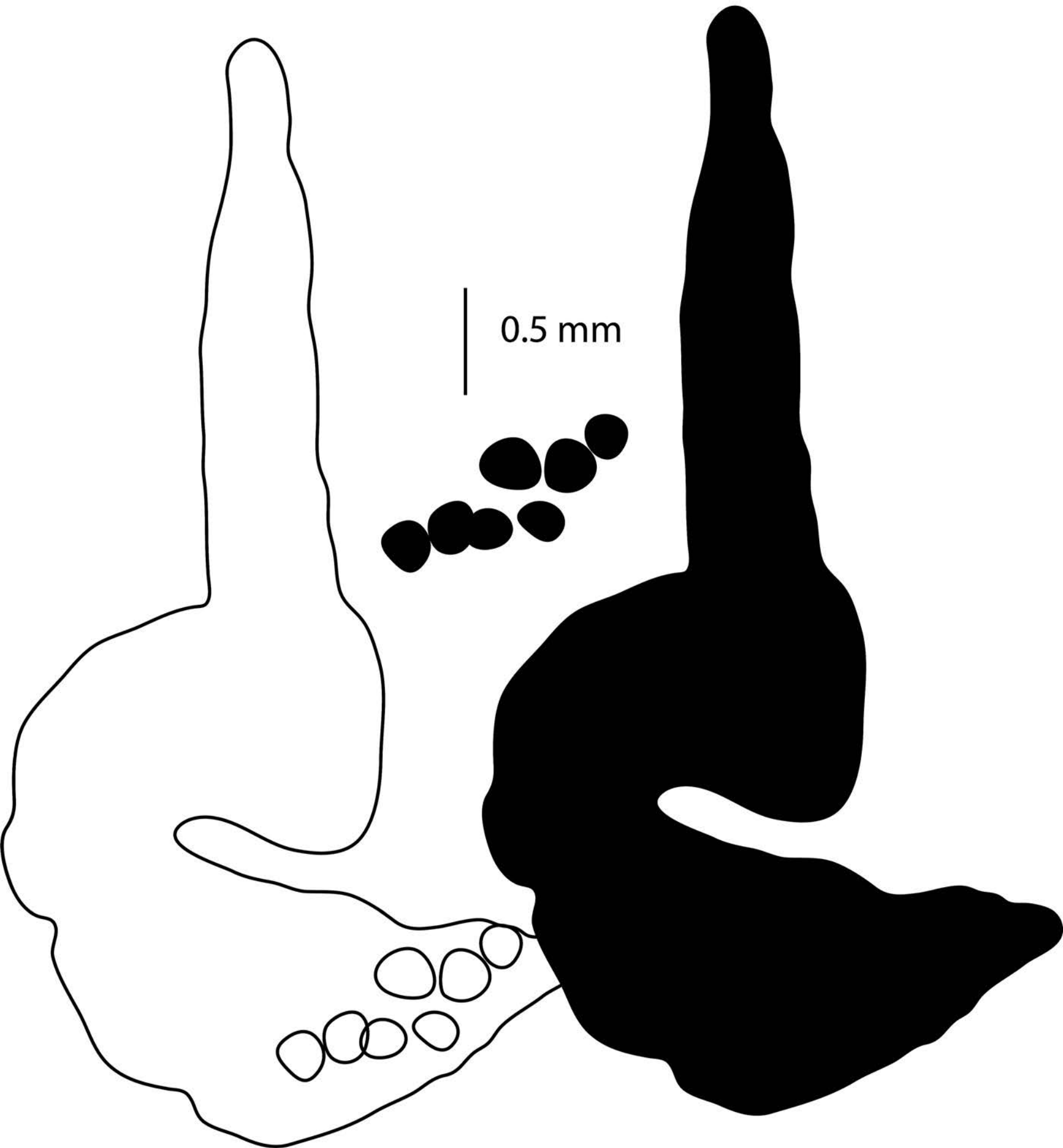
Species: *Vallisia oligoplites* Hargis, 1957

Body Surface: 4,944,569

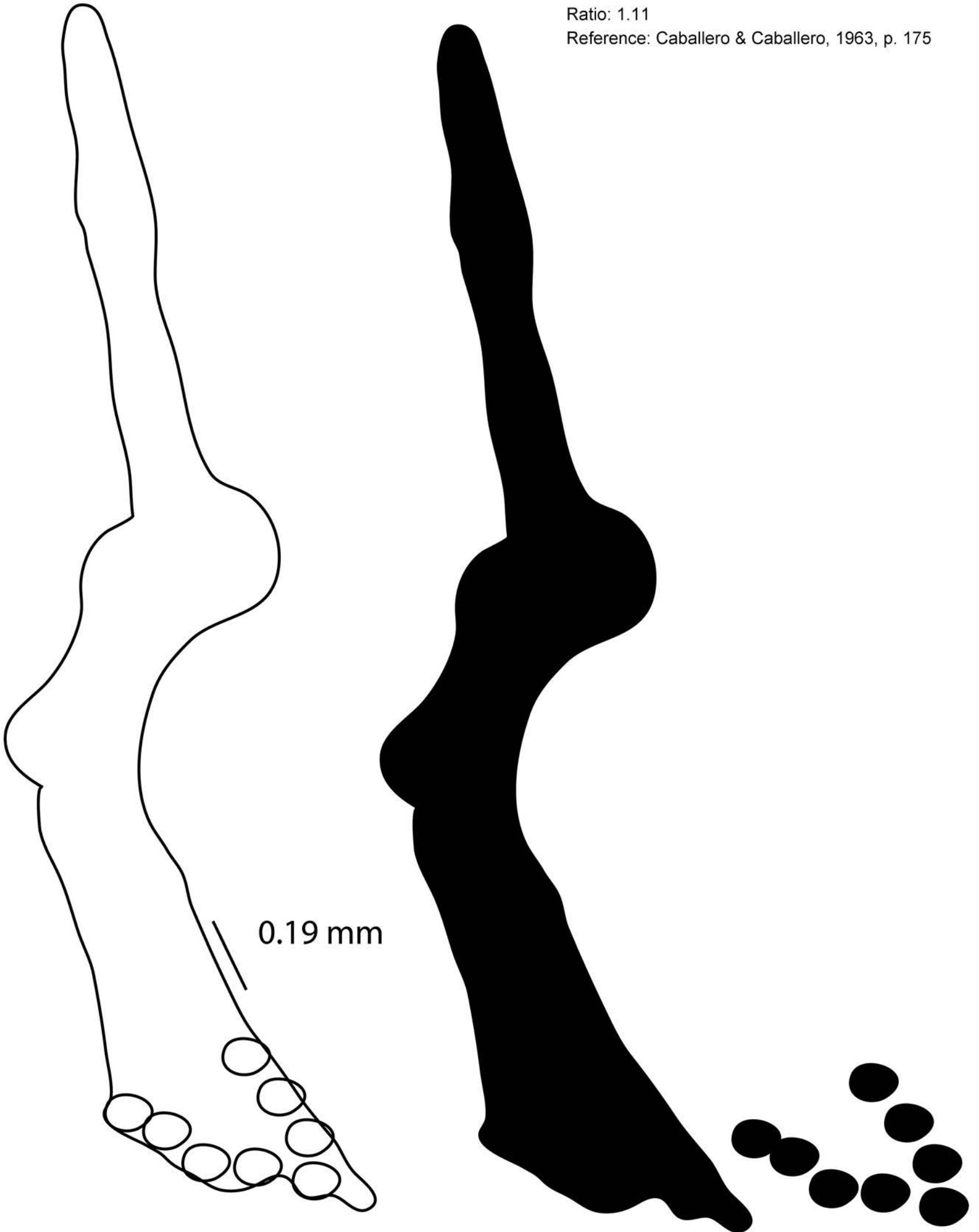
Clamp Surface: 248,805

Ratio: 5.03

reference: Hargis, 1957, p. 7



Family: Allodiscocotylidae
Species: *Vallisia riojai* Caballero & Bravo-Hollis, 1963
Body Surface: 971,416
Clamps Surface: 10,768
Ratio: 1.11
Reference: Caballero & Caballero, 1963, p. 175



Family: Allodiscocotylidae

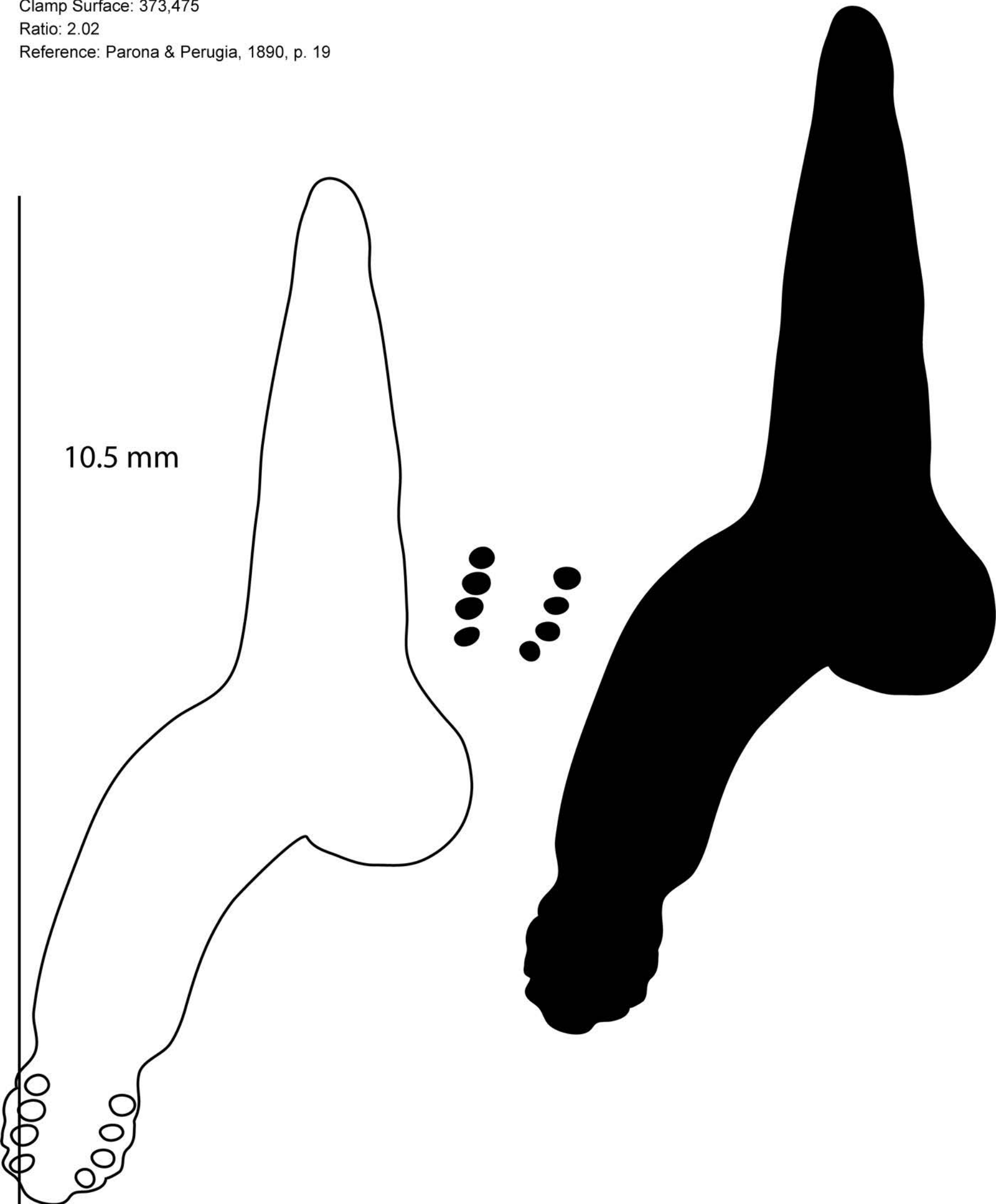
Species: *Vallisia striata* Parona & Perugia, 1890

Body Surface: 18,448,597

Clamp Surface: 373,475

Ratio: 2.02

Reference: Parona & Perugia, 1890, p. 19



Family: Bychowskicotylidae

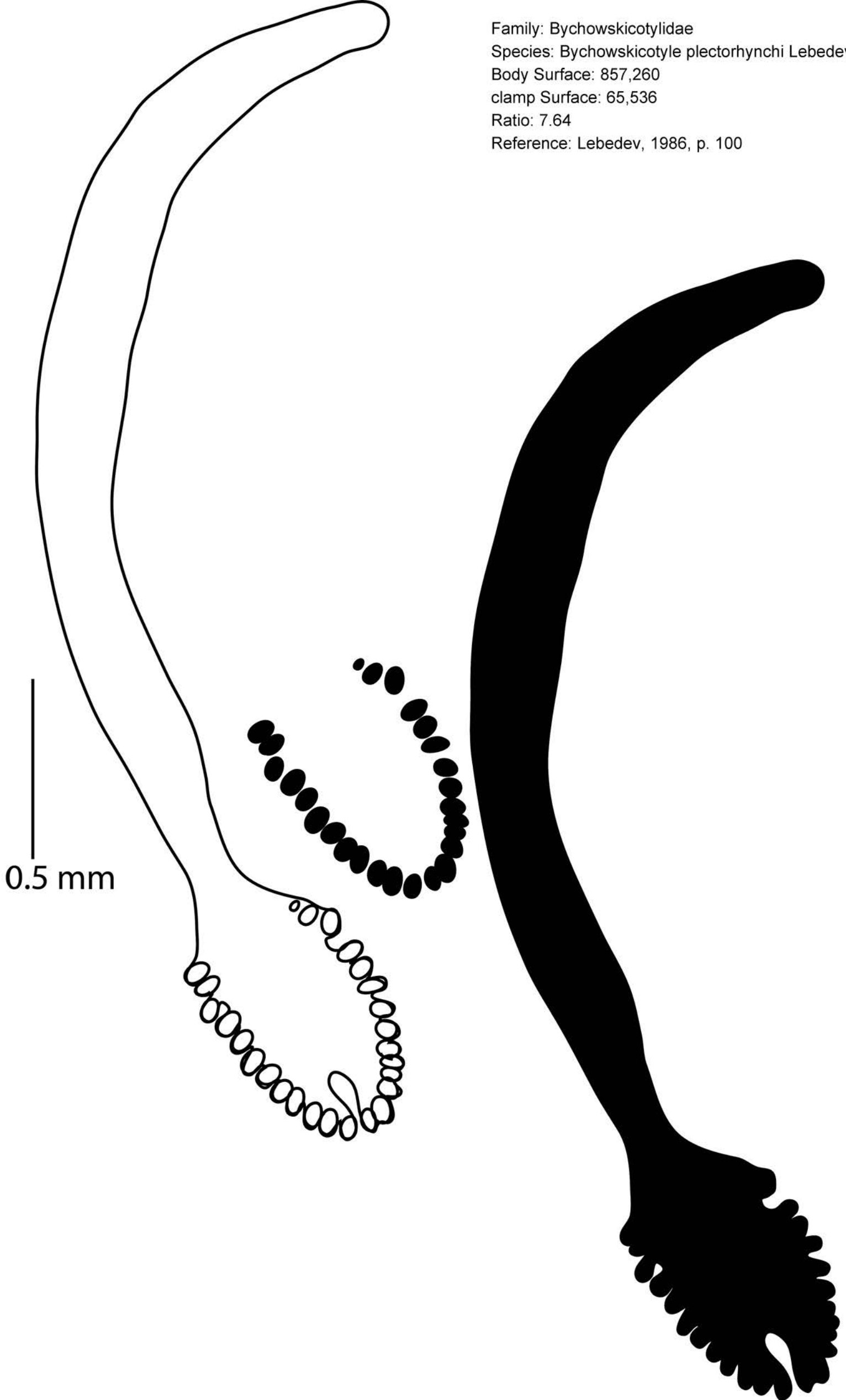
Species: *Bychowskicotyle plectorhynchi* Lebedev, 1969

Body Surface: 857,260

clamp Surface: 65,536

Ratio: 7.64

Reference: Lebedev, 1986, p. 100

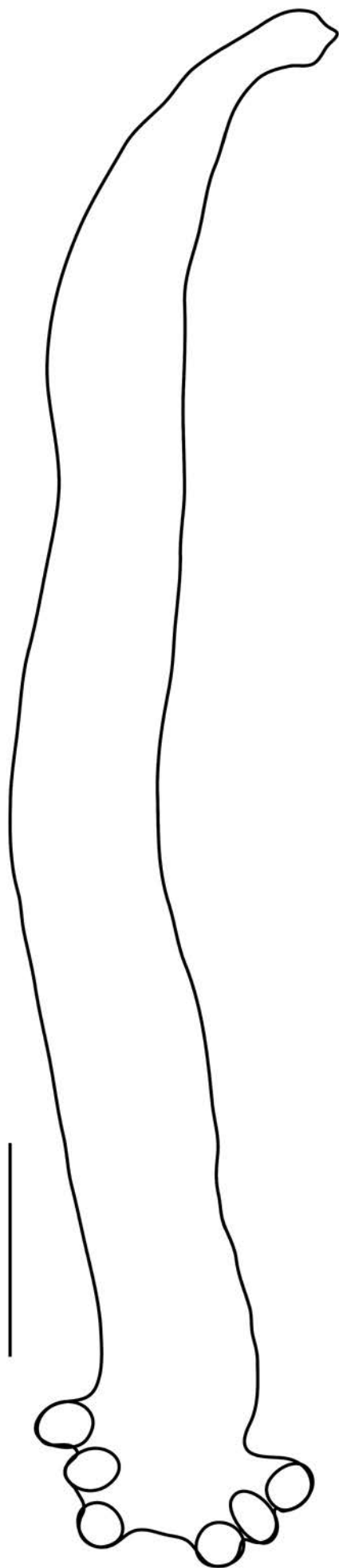


Family: Bychowskicotylidae
Species: *Gaterina talaensis* Lebedev, 1969
Body Surface: 619,337
Clamp Surface: 33,586
Ratio: 5.42
Reference: Lebedev, 1986, p. 101

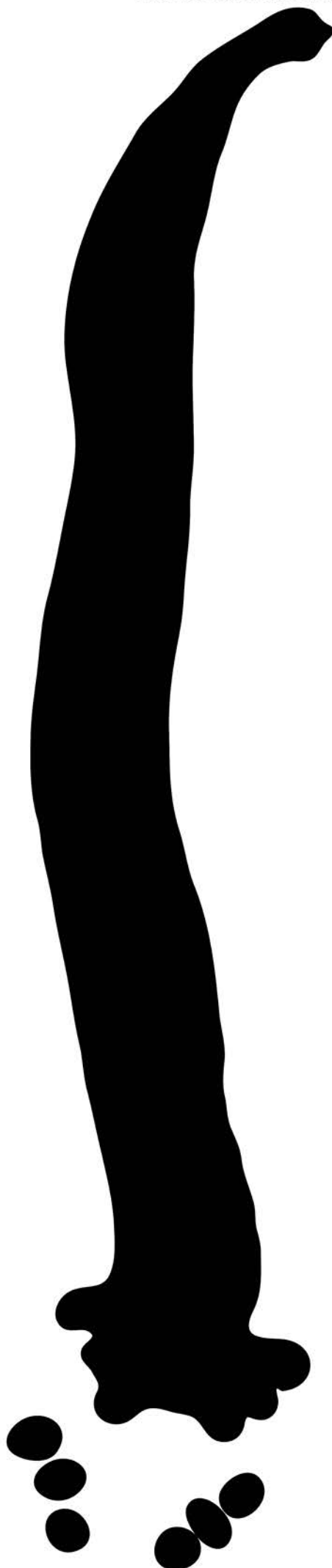
0.3 mm



Family: Bychowskicotylidae
Species: *Tonkinopsis transfretanus* Lebedev, 1972
Body Surface: 1,236,435
Clamp Surface: 59,827
Ratio: 4.84
Reference: Lebedev, 1986, p. 104



0.5 mm



Family: Bychowskicotylidae

Species: *Yamaguticotyla jucunda* (Lebedev, 1969) Lebedev, 1984

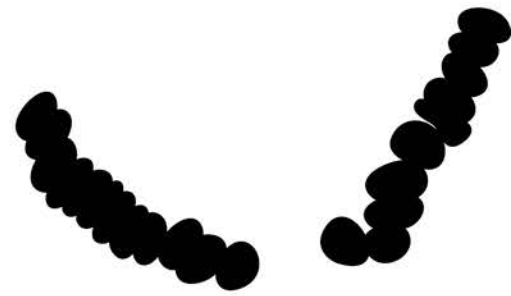
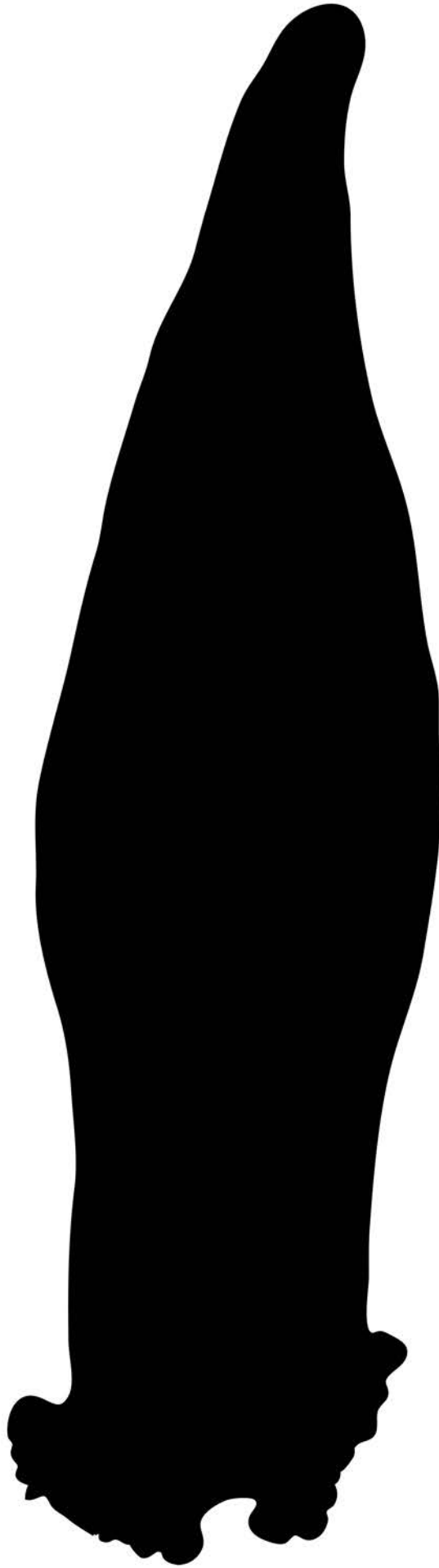
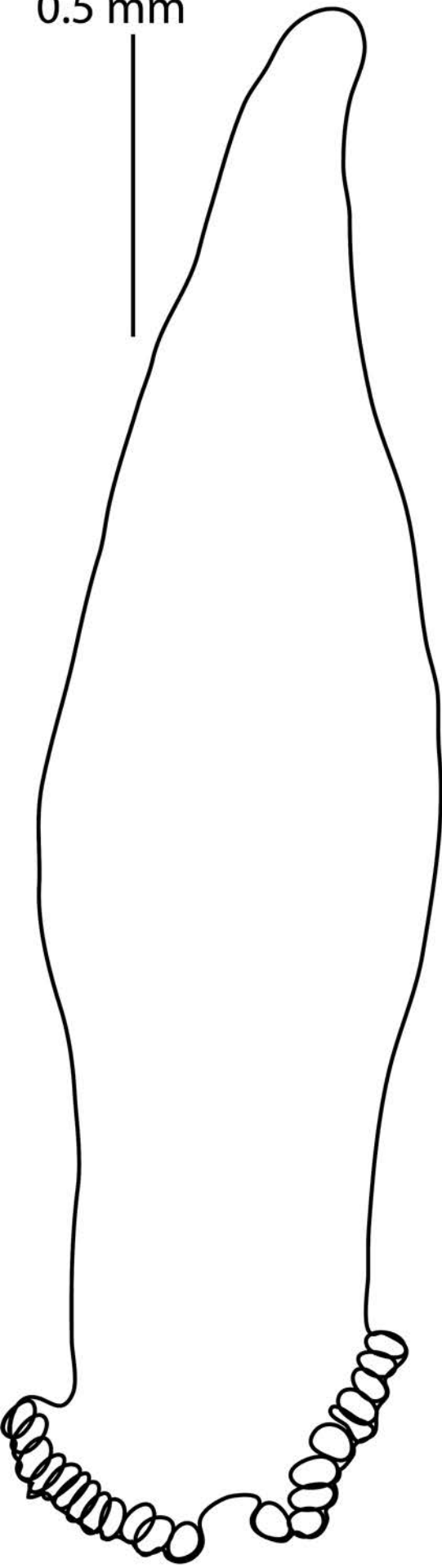
Body Surface: 1,189,653

Clamp Surface: 50,151

Ratio: 4.22

Reference: Lebedev, 1986, p. 103

0.5 mm



Family: Bychowskicotylidae

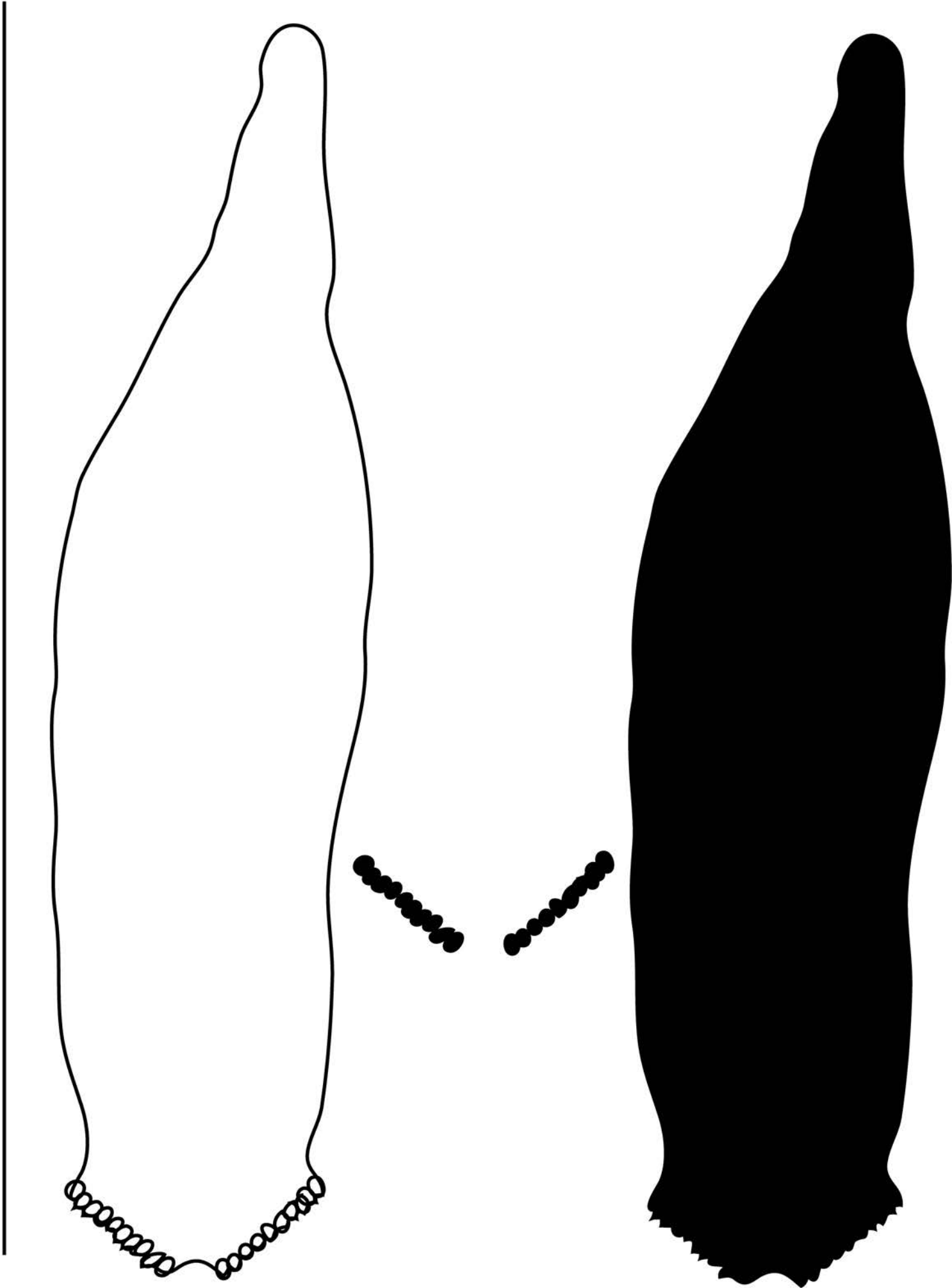
Species: Yamaguticotyla truncata (Goto, 1894)

Body Surface: 4,924,003 ;Clamp Surface: 87,494

Ratio: 1.78

Reference: Lebedev, 1986, p. 60

5.23 mm



Family: Chauhaneidae

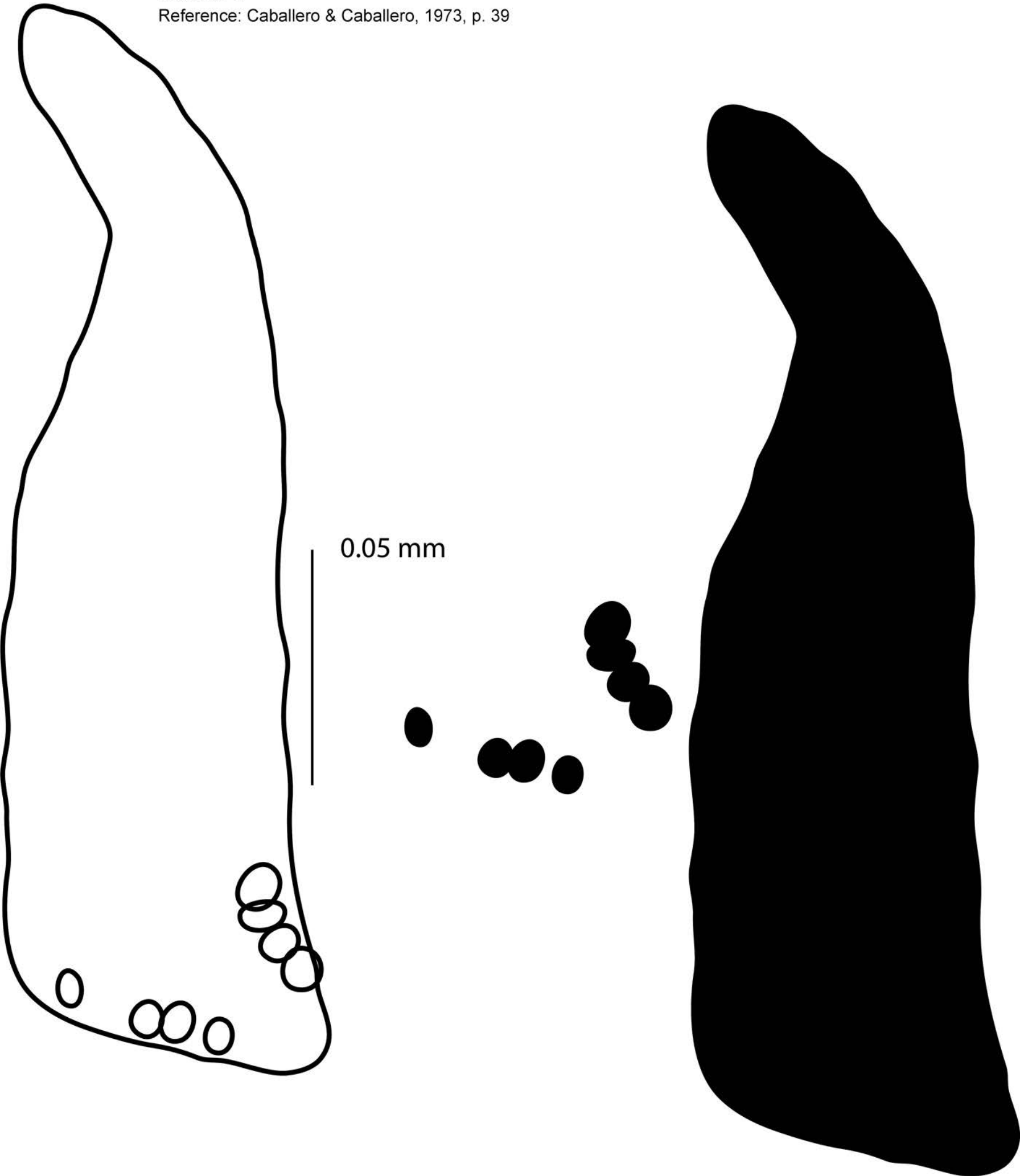
Species: *Ahpua piscicola* Caballero & Bravo-Hollis, 1973

Body Surface: 10,832

Clamp Surface: 404

Ratio: 3.73

Reference: Caballero & Caballero, 1973, p. 39



Family: Chauhaneidae

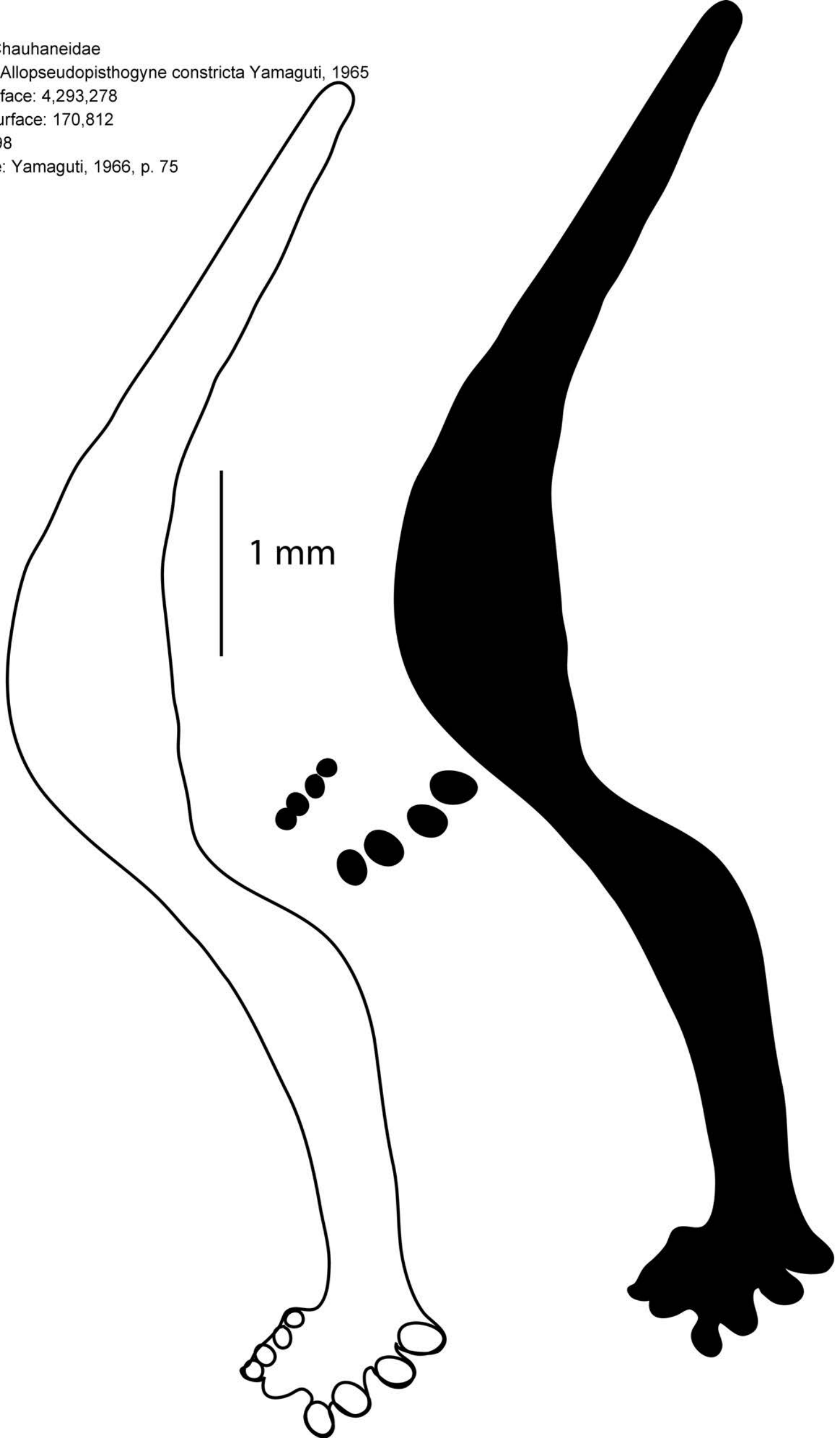
Species: *Allopseudopisthogyne constricta* Yamaguti, 1965

Body Surface: 4,293,278

Clamp Surface: 170,812

Ratio: 3.98

reference: Yamaguti, 1966, p. 75



Family: Chauhaneidae

Species: *Caniongiella australis* (Young, 1968) Lebedev, 1976

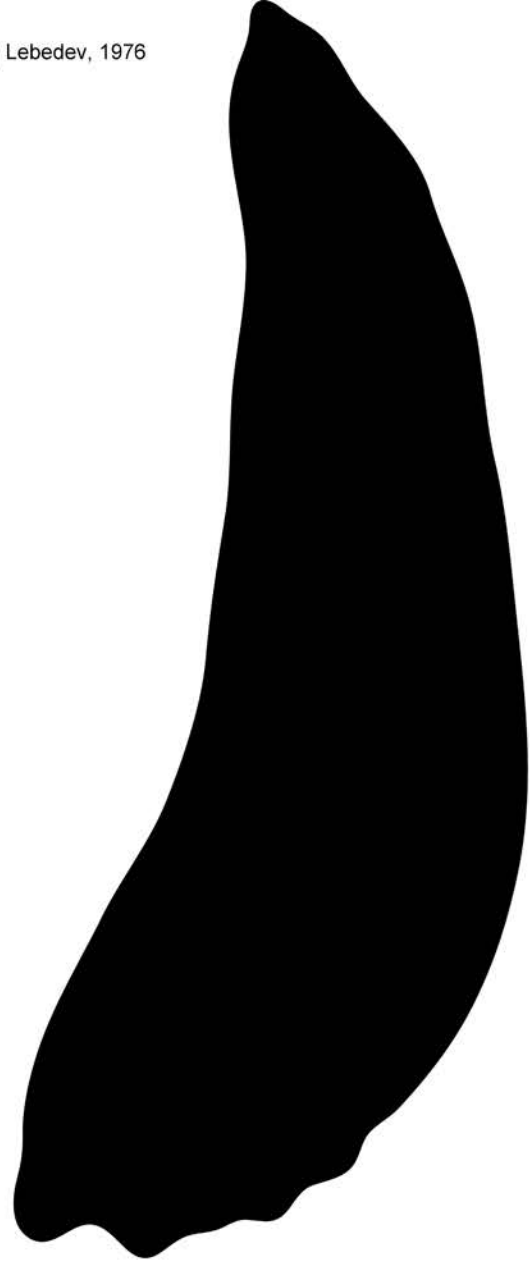
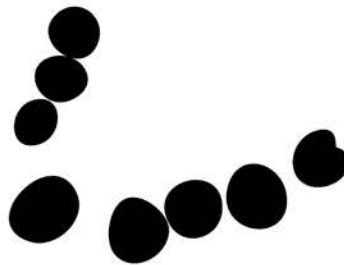
Body Surface: 624,748

Clamp Surface: 7,033

Ratio: 1.1

Reference: Lebedev, 1986, p. 127

1.67 mm



Family: Chauhaneidae

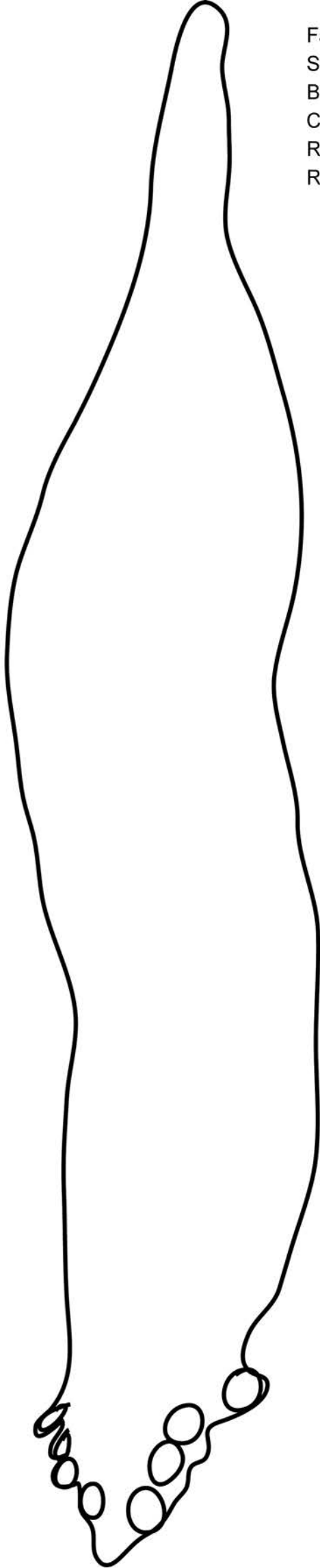
Species: *Caniongiella bychowskyi* Lebedev, 1976

Body Surface: 1,204,269

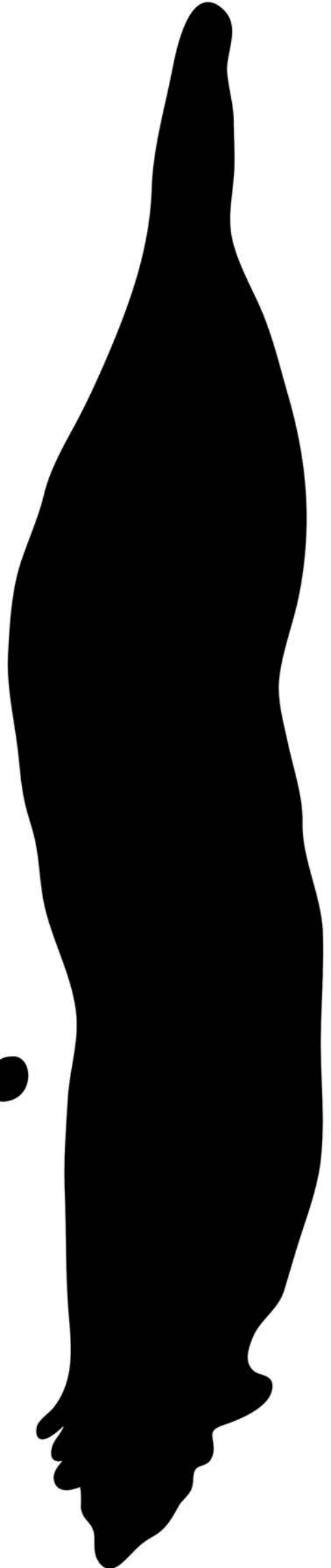
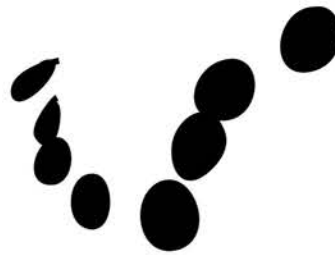
Clamp Surface: 26,531

Ratio: 2.20

Reference: Lebedev, 1986, p. 126

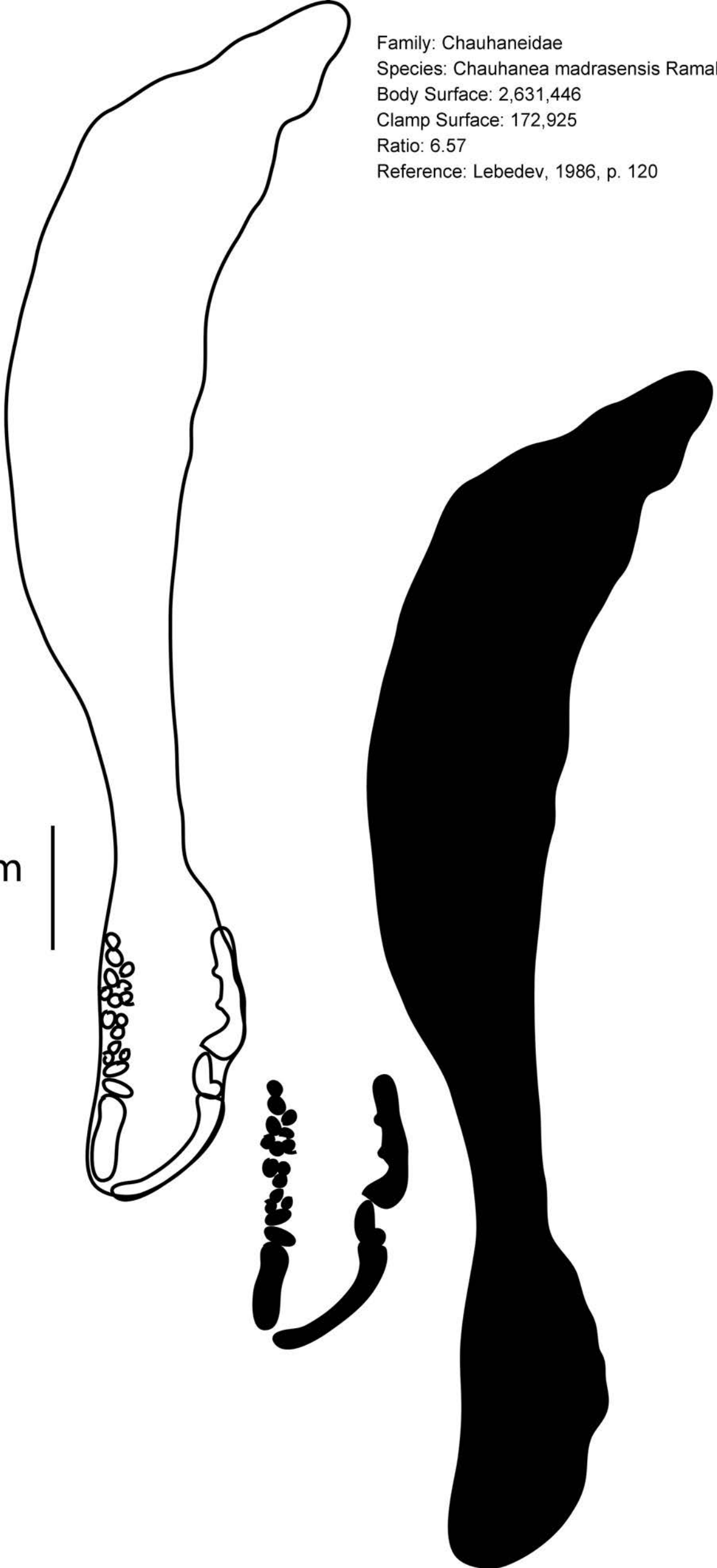


0.4 mm



Family: Chauhaneidae
Species: *Chauhanea madrasensis* Ramalingam, 1953
Body Surface: 2,631,446
Clamp Surface: 172,925
Ratio: 6.57
Reference: Lebedev, 1986, p. 120

0.5 mm



Family: Chauhaneidae

Species: *Chauhanea mediterranea* Euzet & Trilles, 1960

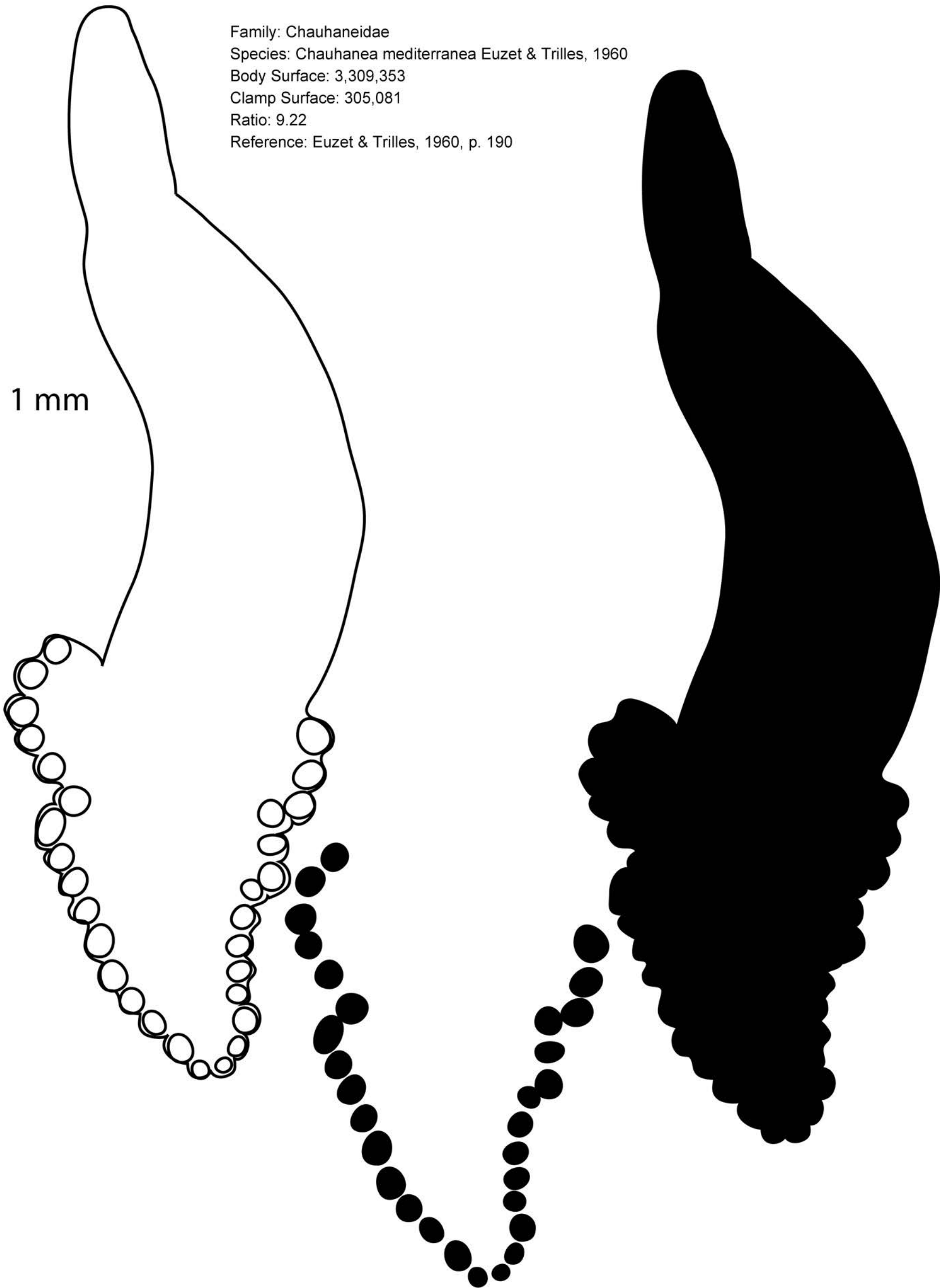
Body Surface: 3,309,353

Clamp Surface: 305,081

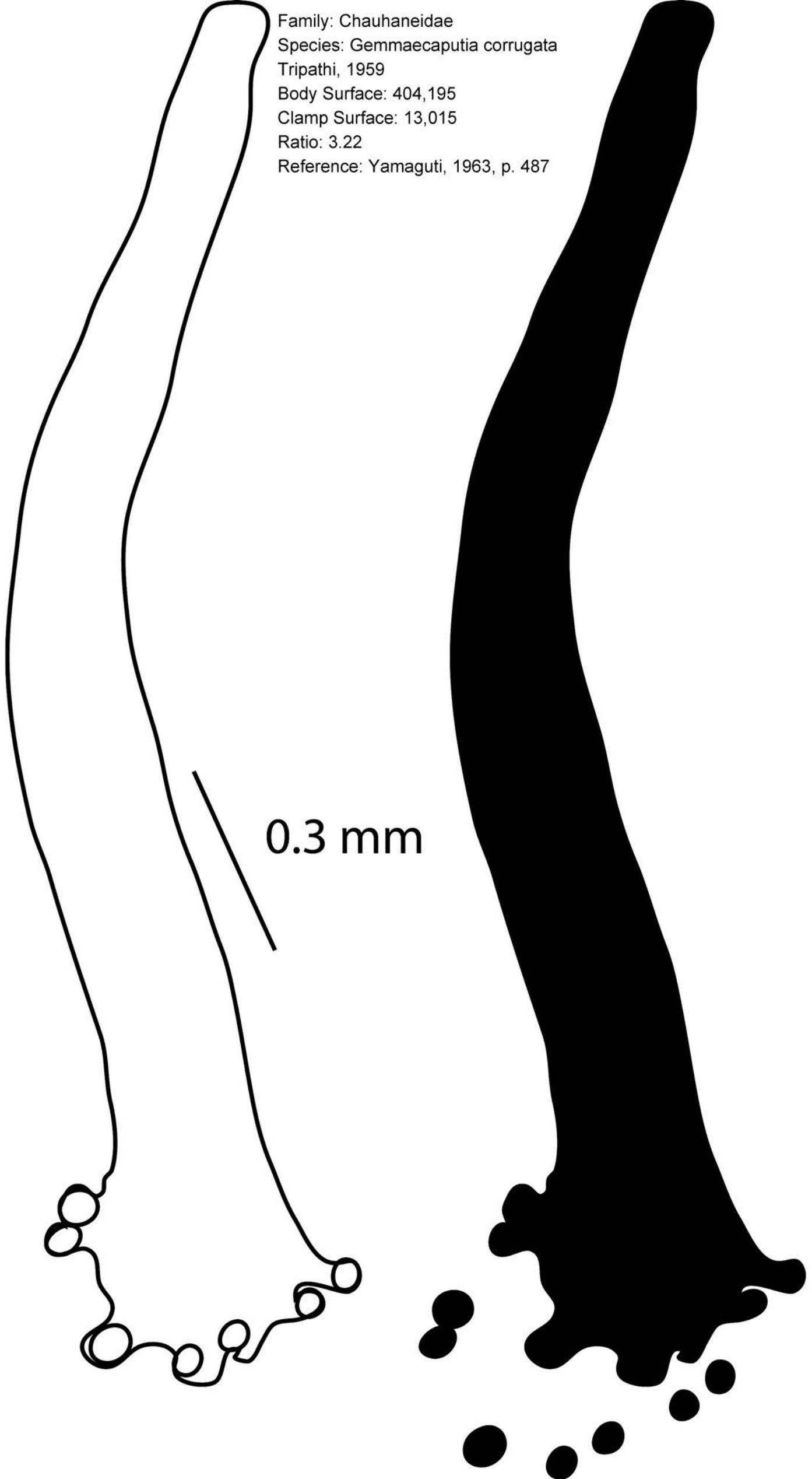
Ratio: 9.22

Reference: Euzet & Trilles, 1960, p. 190

1 mm

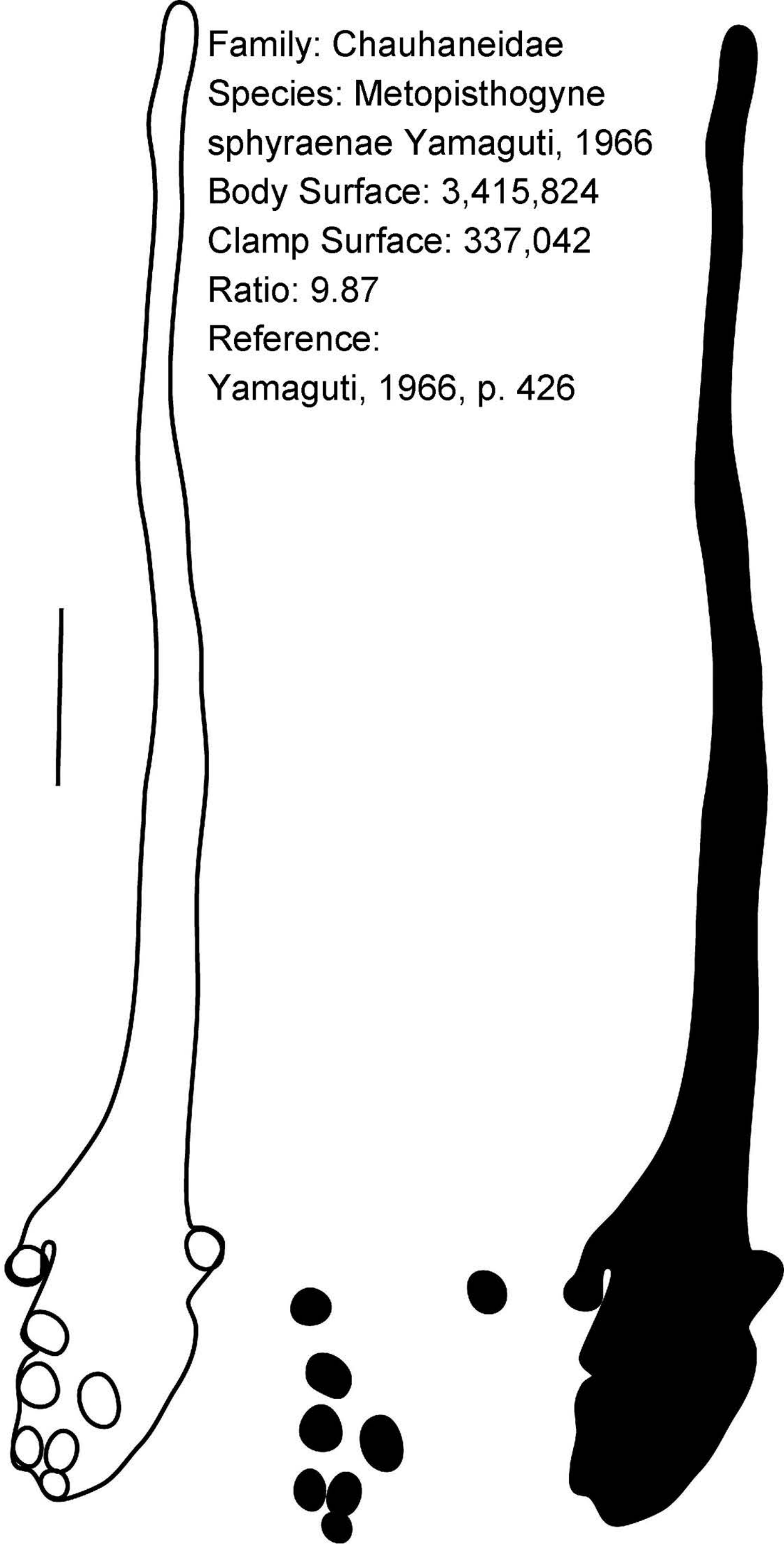


Family: Chauhaneidae
Species: *Gemmaecaputia corrugata*
Tripathi, 1959
Body Surface: 404,195
Clamp Surface: 13,015
Ratio: 3.22
Reference: Yamaguti, 1963, p. 487



Family: Chauhaneidae
Species: *Metopisthogyne*
sphyraenae Yamaguti, 1966
Body Surface: 3,415,824
Clamp Surface: 337,042
Ratio: 9.87
Reference:
Yamaguti, 1966, p. 426

1 mm



Family: Chauhaneidae

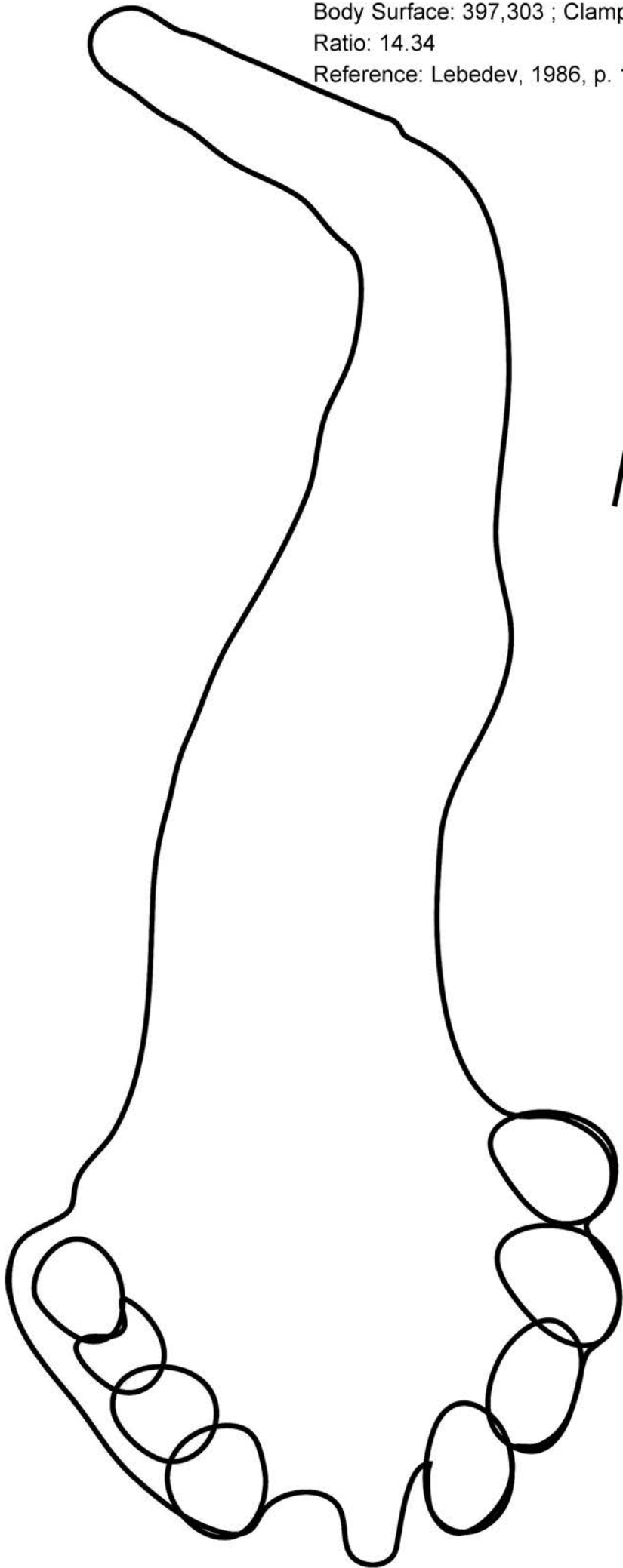
Species: *Oaxacotyle oaxacensis*

(Caballero & Bravo, 1964) Lebedev, 1984

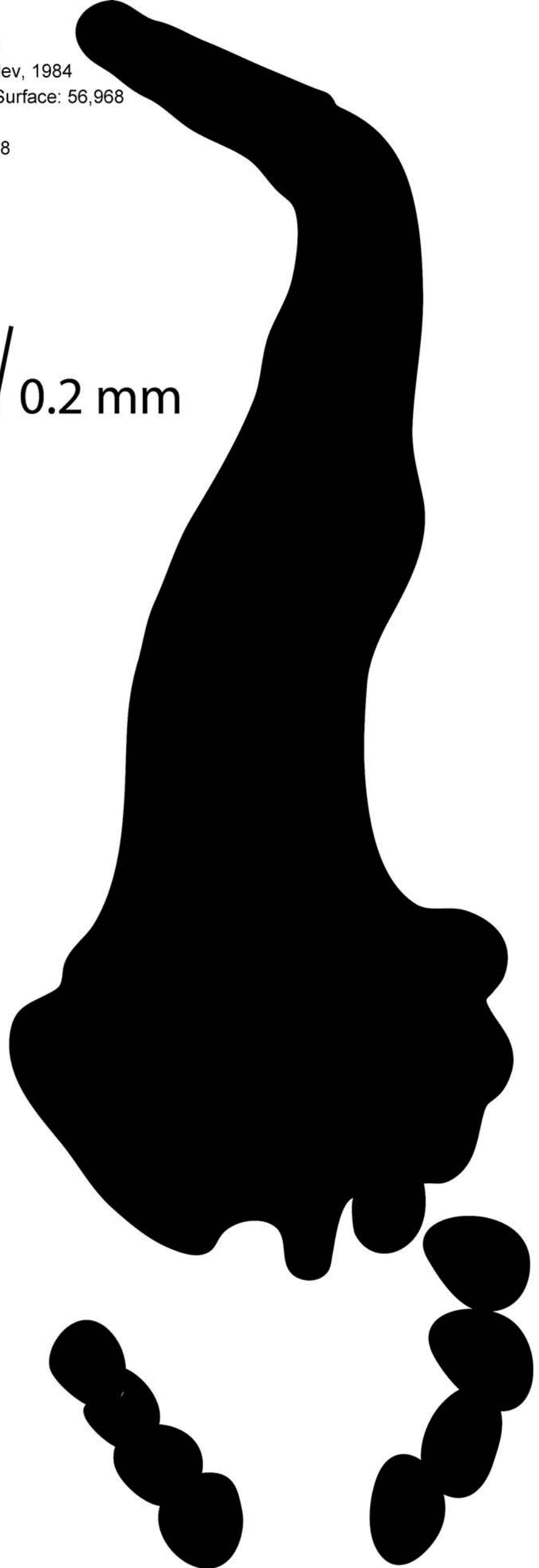
Body Surface: 397,303 ; Clamp Surface: 56,968

Ratio: 14.34

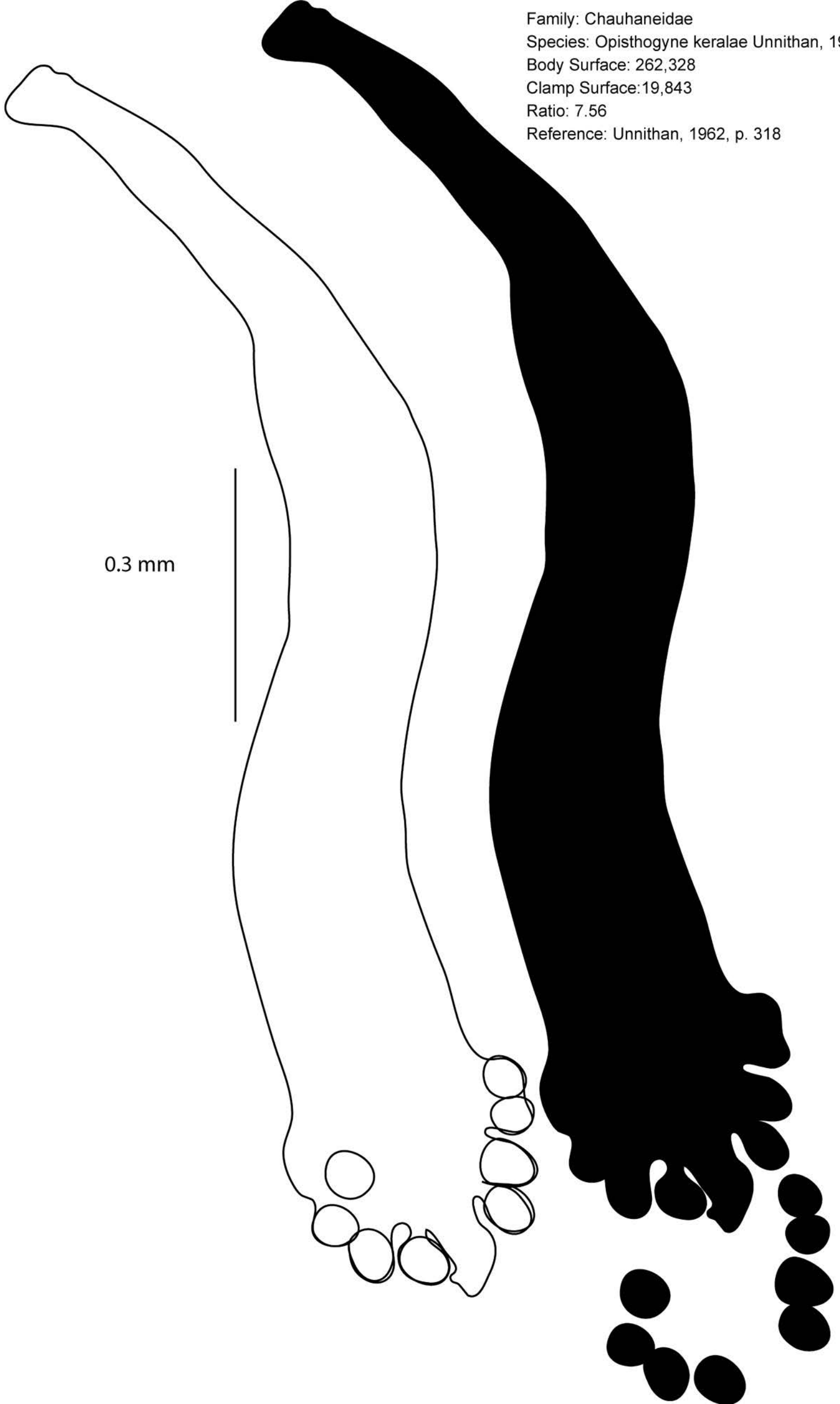
Reference: Lebedev, 1986, p. 138



0.2 mm



Family: Chauhaneidae
Species: *Opisthogyne keralae* Unnithan, 1962
Body Surface: 262,328
Clamp Surface: 19,843
Ratio: 7.56
Reference: Unnithan, 1962, p. 318



Family: Chauhaneidae

Species: *Paracaniongiella brinkmanni* (Unnithan, 1962) Lebedev, 1976

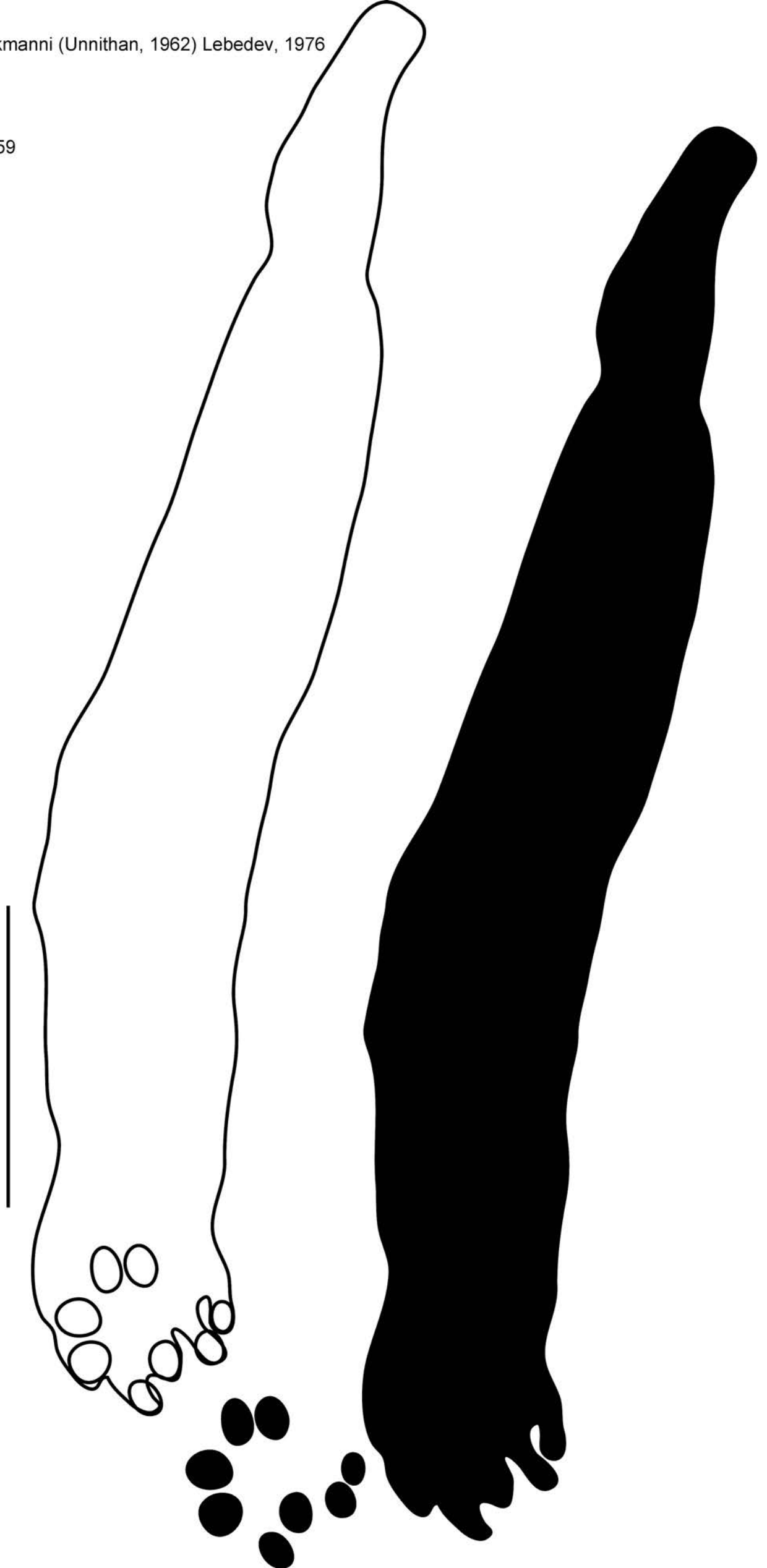
Body Surface: 236,647

Clamp Surface: 8,027

Ratio: 3.39

Reference: Pandey, 2008, p. 359

0.3 mm



Chauhaneidae

Paragemmaecaputia crassicauda

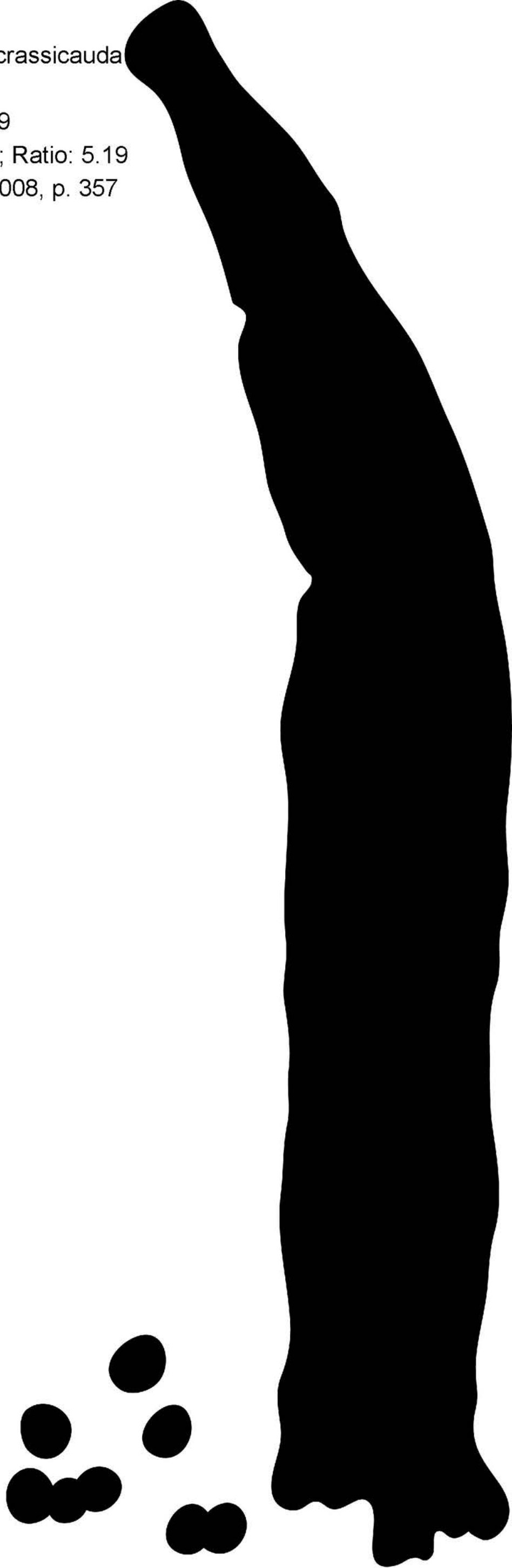
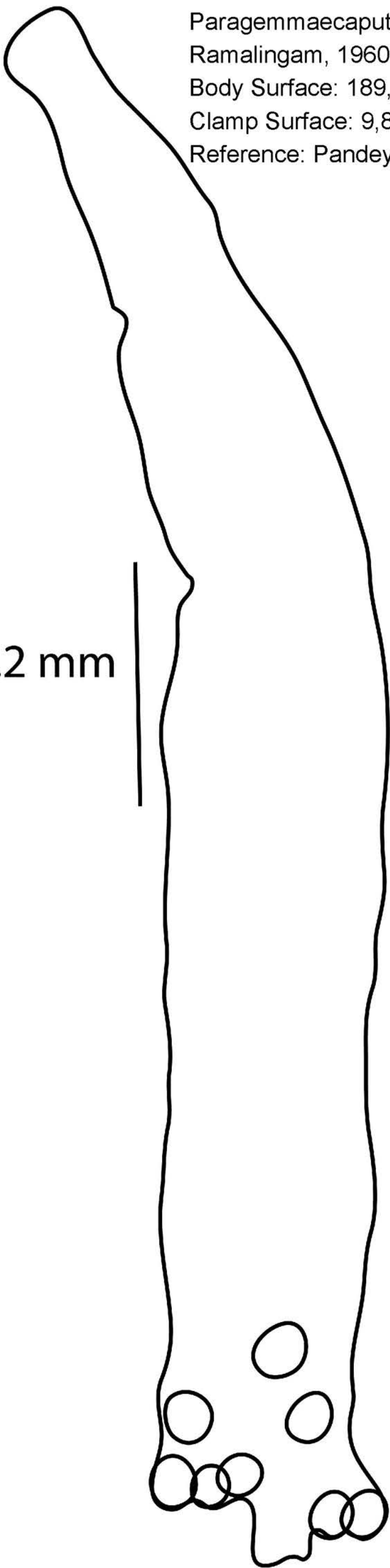
Ramalingam, 1960

Body Surface: 189,399

Clamp Surface: 9,836; Ratio: 5.19

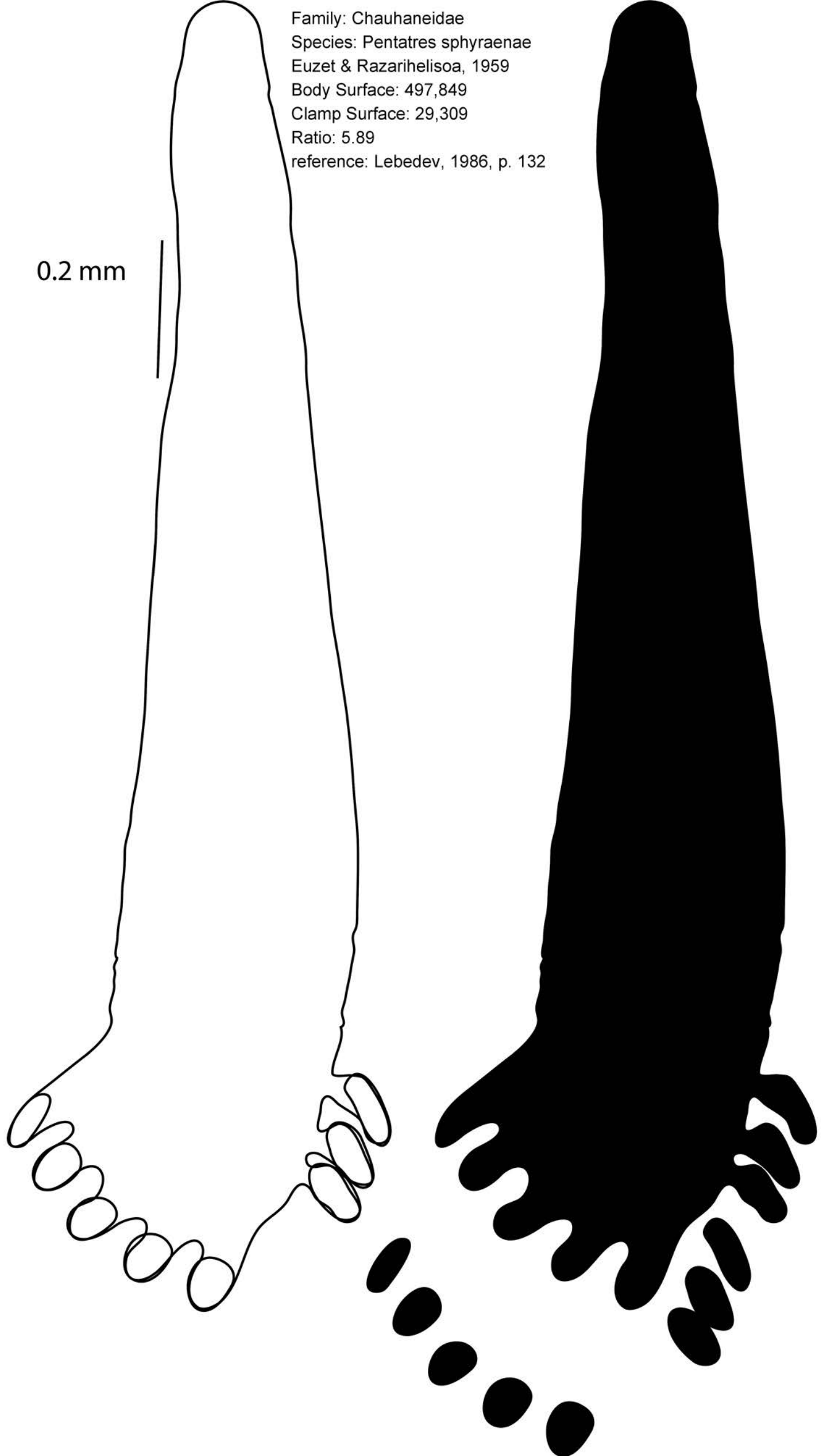
Reference: Pandey, 2008, p. 357

0.2 mm



Family: Chauhaneidae
Species: *Pentatres sphyraenae*
Euzet & Razarihelisoa, 1959
Body Surface: 497,849
Clamp Surface: 29,309
Ratio: 5.89
reference: Lebedev, 1986, p. 132

0.2 mm



Family: Chauhaneidae

Species: *Pseudochauhanea elongata* Kritsky, Bilqees & Leiby, 1972

Body Surface: 593,000

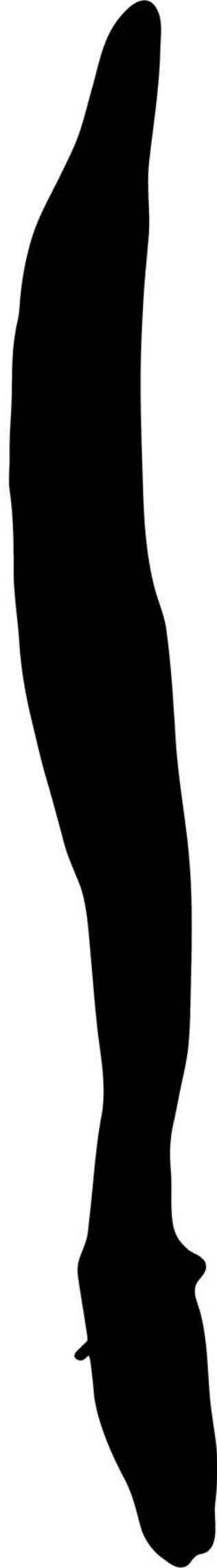
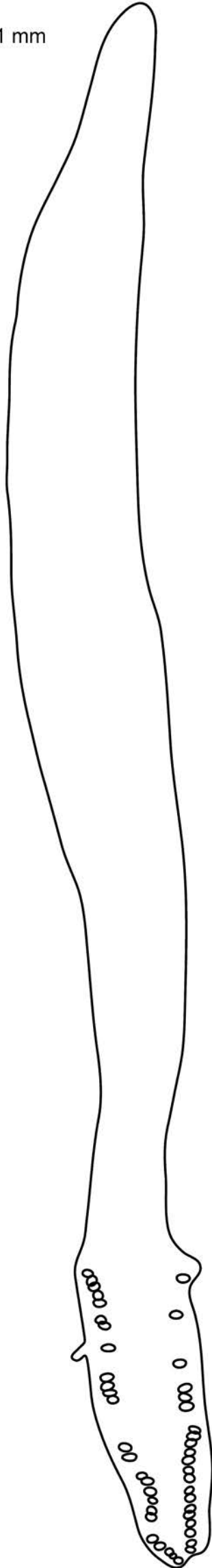
Clamp Surface: 16,000

Ratio: 2.70

Reference: Lebedev, 1986, p. 122

Note: scale erroneous, should be 0.1 mm

0.01 mm



Chauhaneidae

Pseudochauhanea macrorchis

Lin, Liu & Zhang

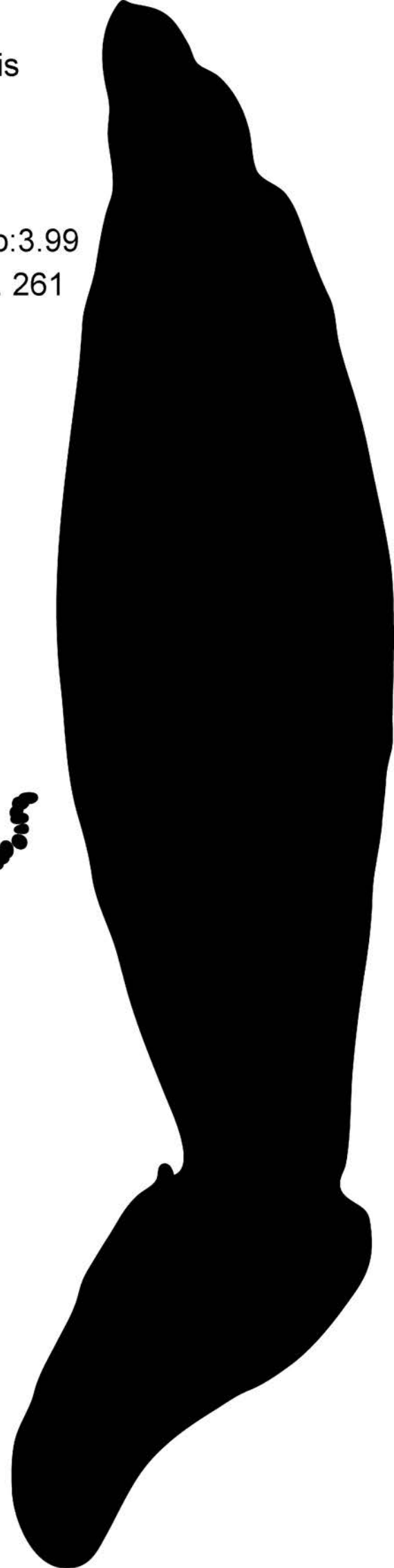
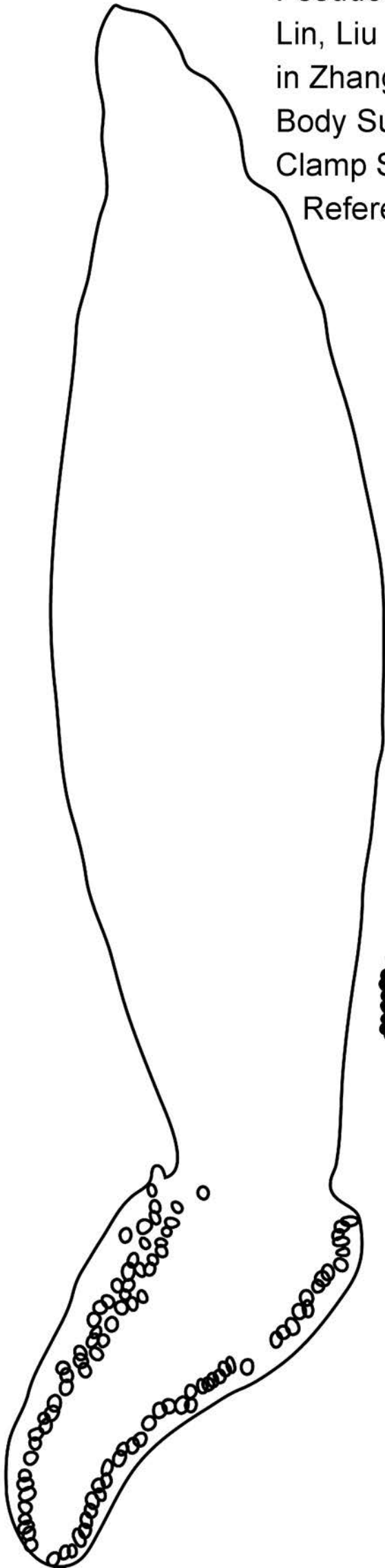
in Zhang, Yang & Liu, 2001

Body Surface: 1,037,805

Clamp Surface: 41,361; Ratio:3.99

Reference: Zhang, 2001, p. 261

0.5 mm



Family: Chauhaneidae

Species: *Pseudochauhanea mexicana* Lamothe, 1967

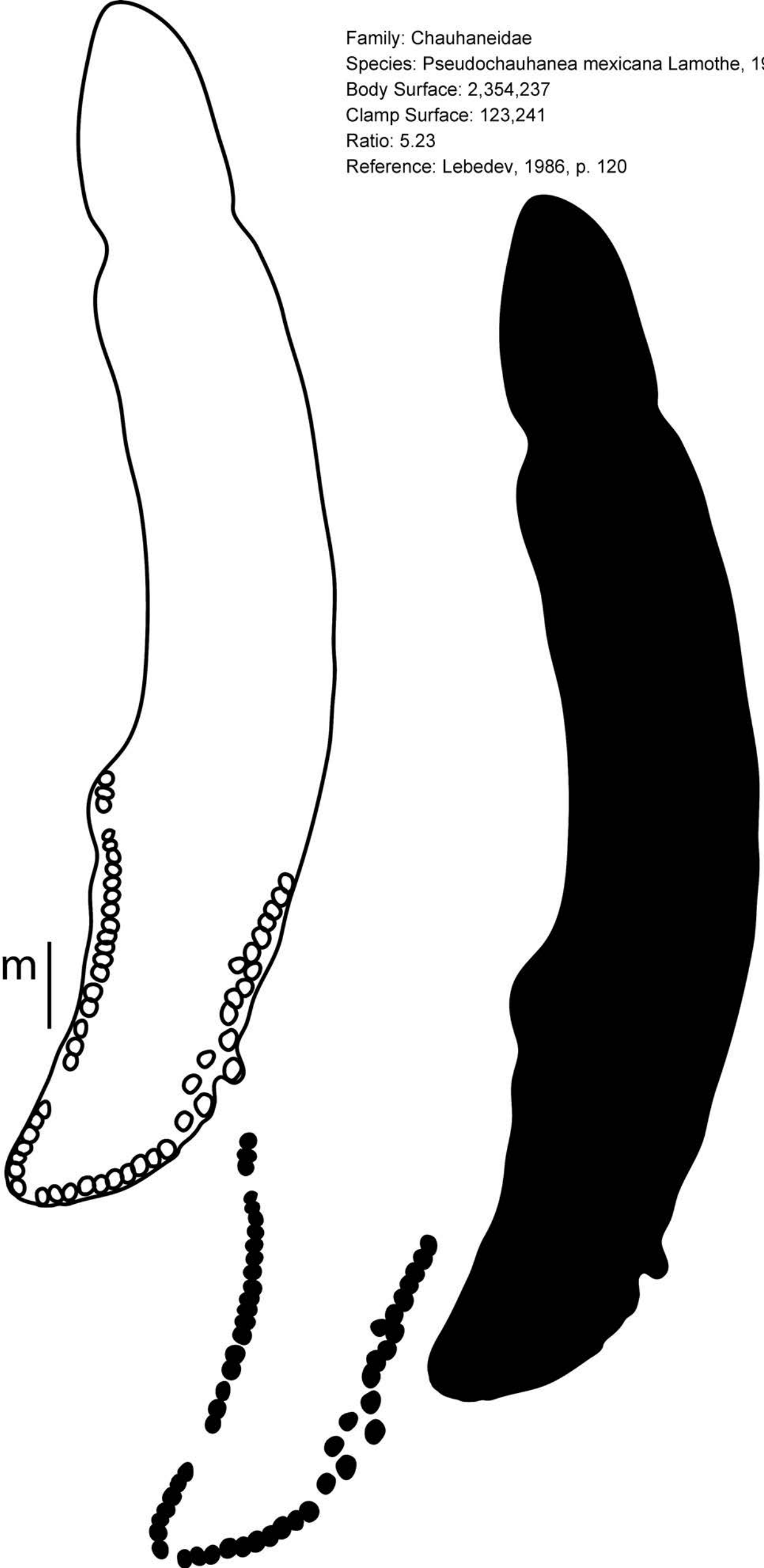
Body Surface: 2,354,237

Clamp Surface: 123,241

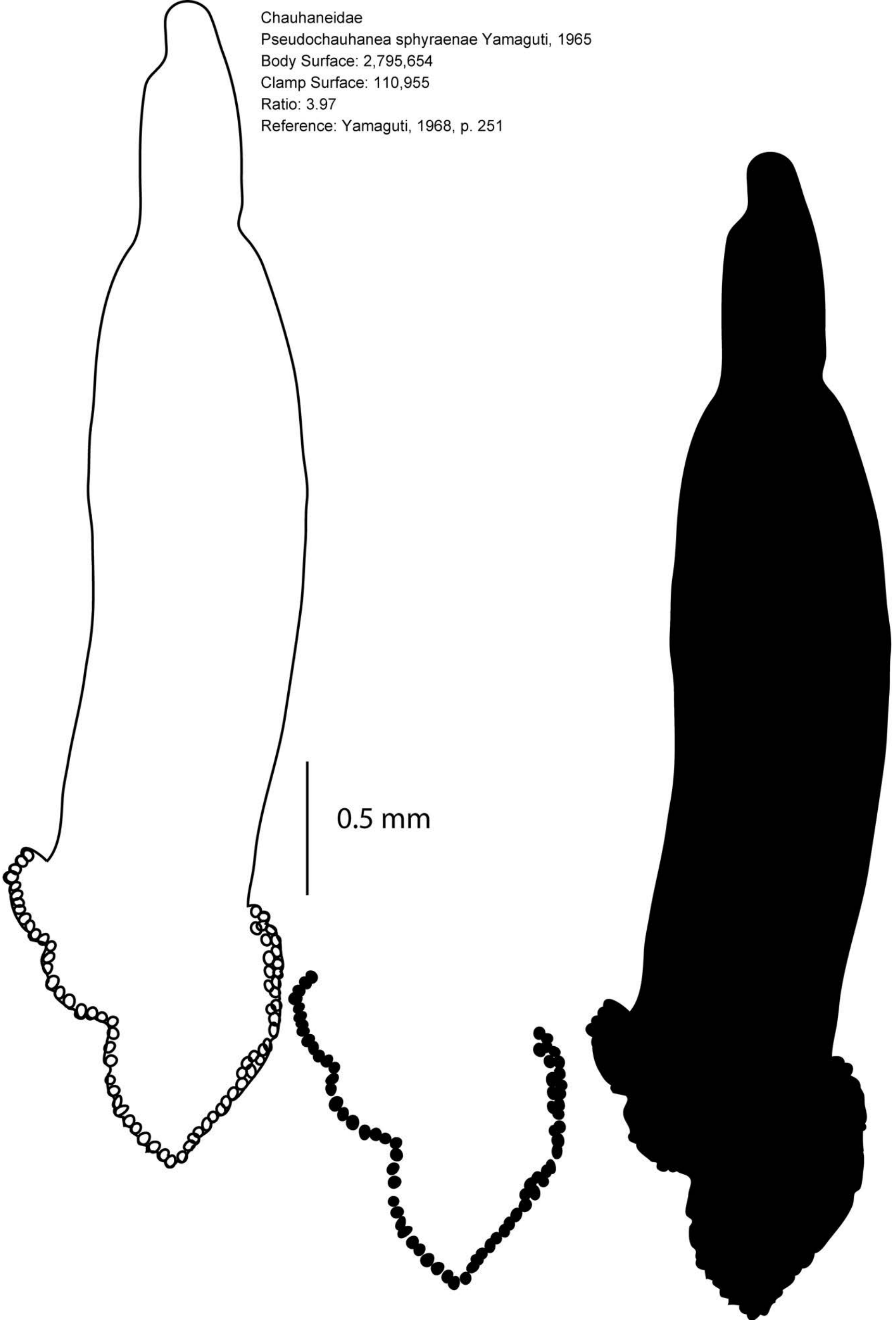
Ratio: 5.23

Reference: Lebedev, 1986, p. 120

0.3 mm



Chauhaneidae
Pseudochauhanea sphyraenae Yamaguti, 1965
Body Surface: 2,795,654
Clamp Surface: 110,955
Ratio: 3.97
Reference: Yamaguti, 1968, p. 251



Chauhaneidae

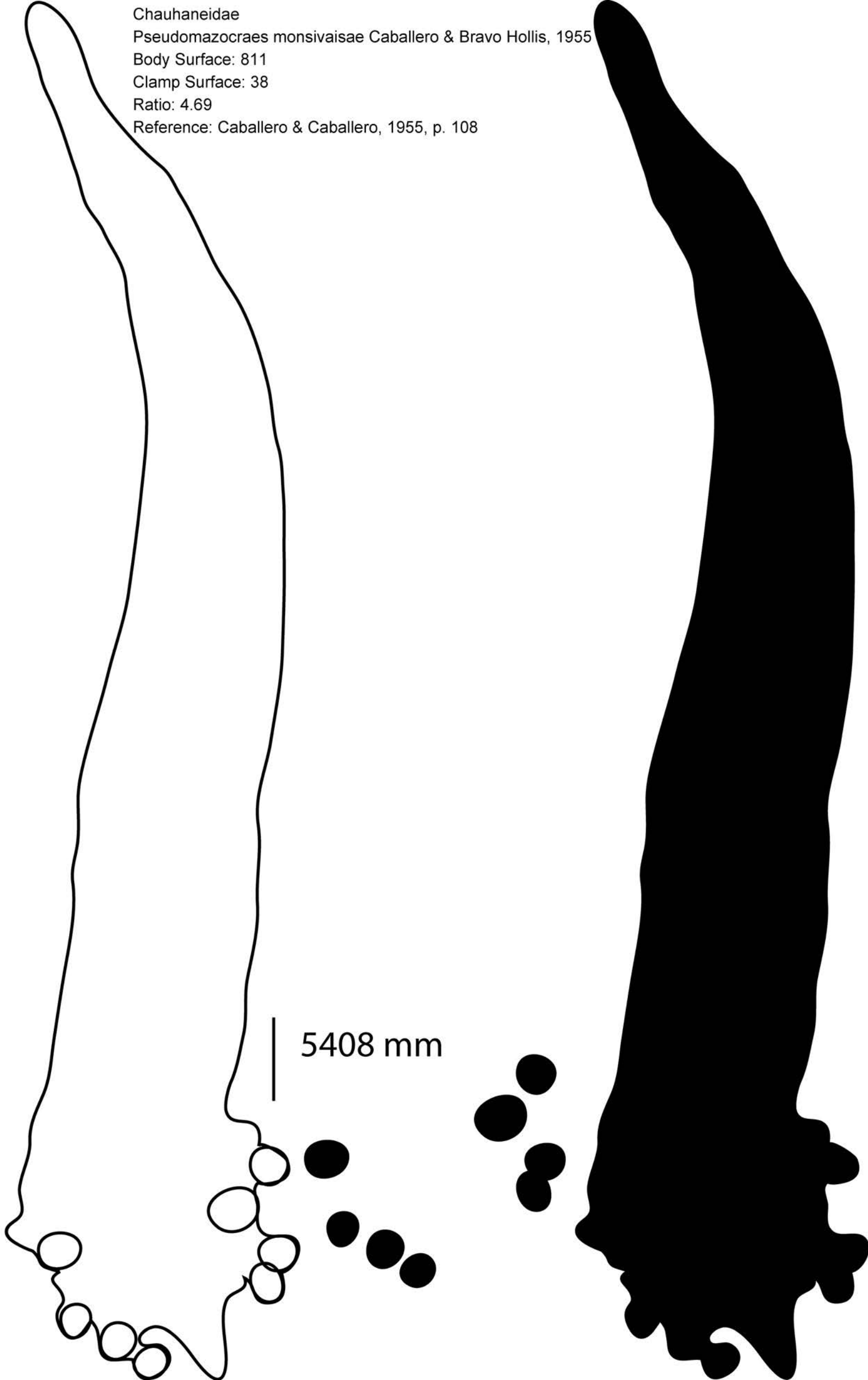
Pseudomazocraes monsvivisae Caballero & Bravo Hollis, 1955

Body Surface: 811

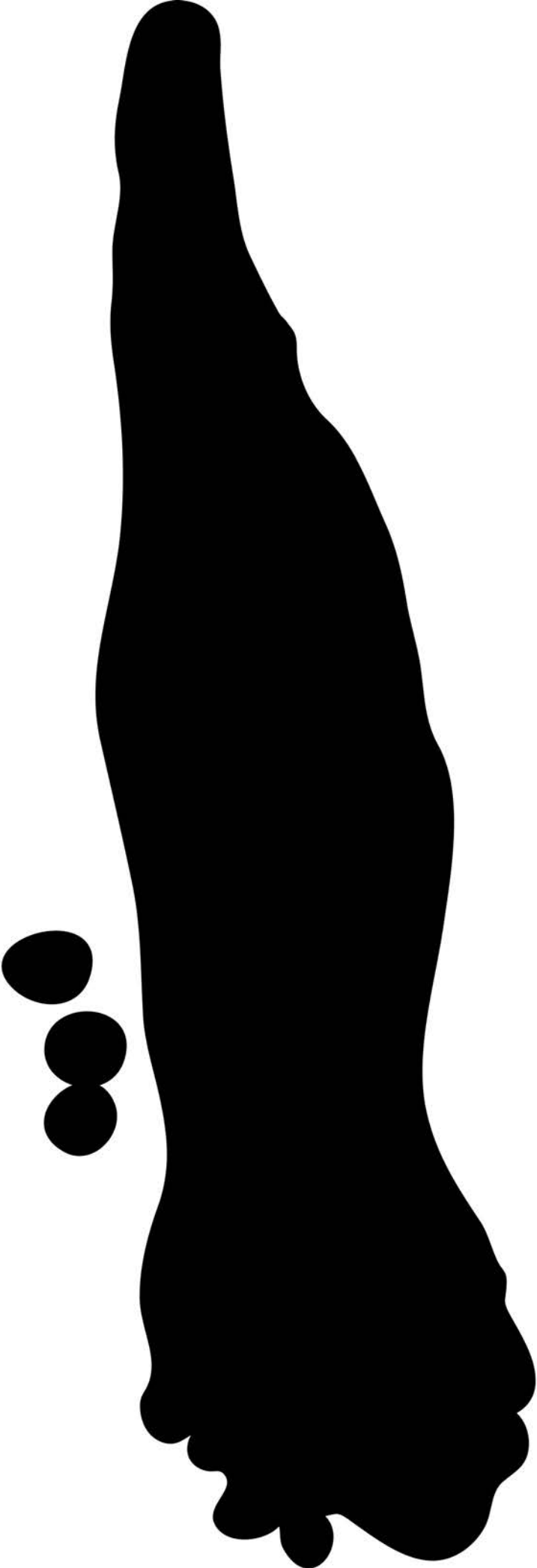
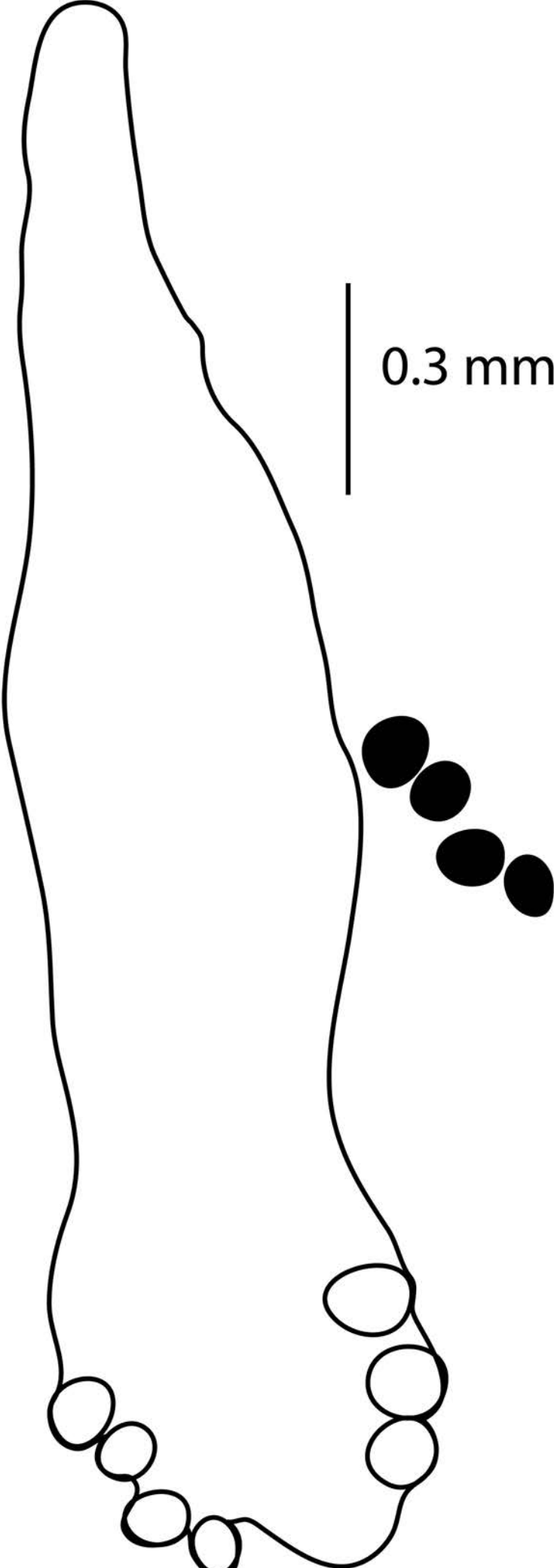
Clamp Surface: 38

Ratio: 4.69

Reference: Caballero & Caballero, 1955, p. 108



Family: Chauhaneidae
Species: Pseudomazocraes selene Hargis, 1957
Body Surface: 71,077
Clamp Surface: 49,995
Ratio: 6.48
Reference: Hargis, 1957, p. 7



Family: Chauhaneidae

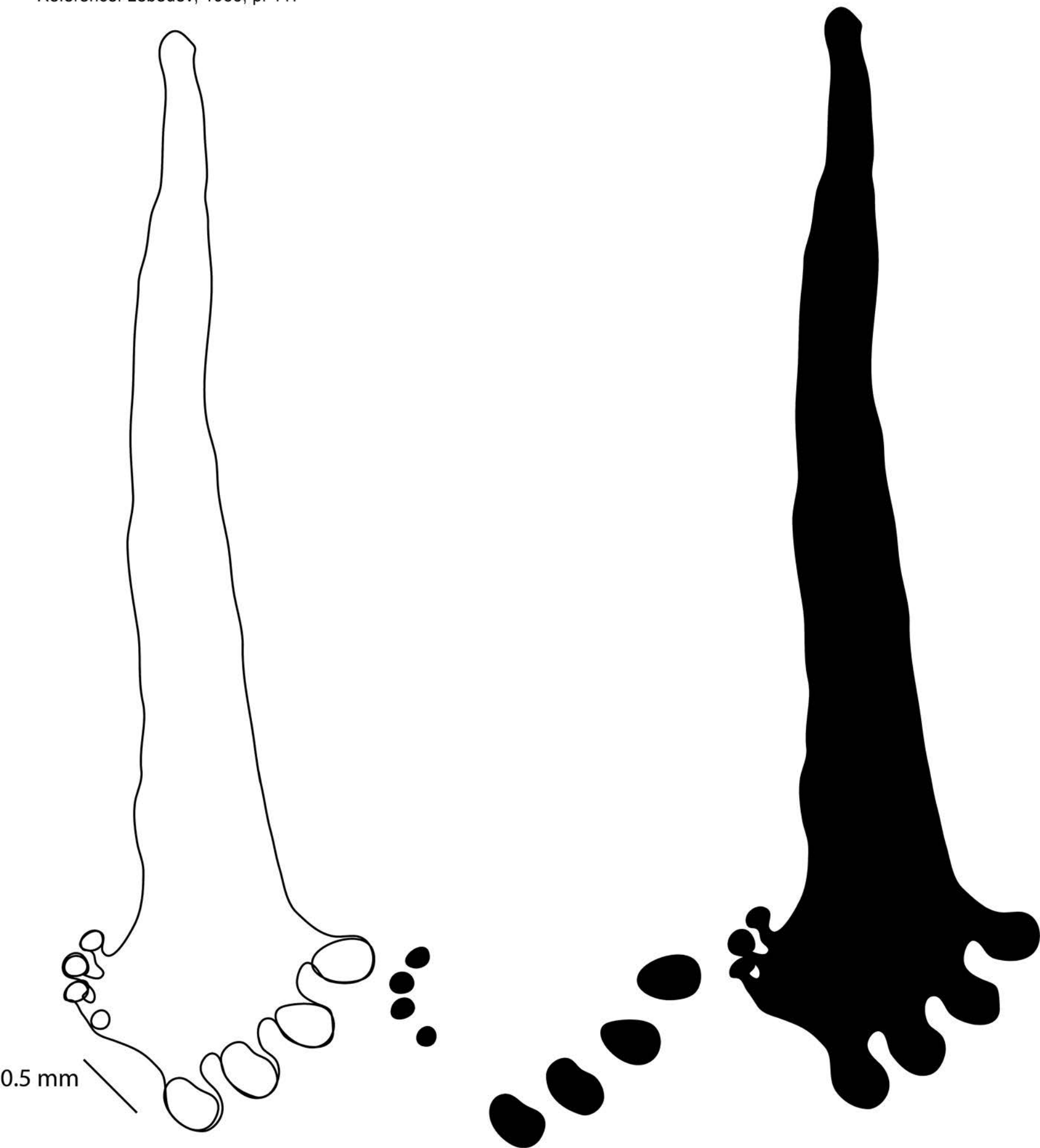
Species: *Pseudopisthogynopsis lepidocybii* Yamaguti, 1965

Body Surface: 8,160,745

Clamp Surface: 821,312

Ratio: 10.06

Reference: Lebedev, 1986, p. 117



Family: Chauhaneidae
Species: *Pseudopisthogyne lepidocybii*
Yamaguti, 1965
Body Surface: 2,106,993
clamp Surface: 189,587
Ratio: 9.00
Reference: Yamaguti, 1965, p. 75

0.5 mm



Family: Chauhaneidae

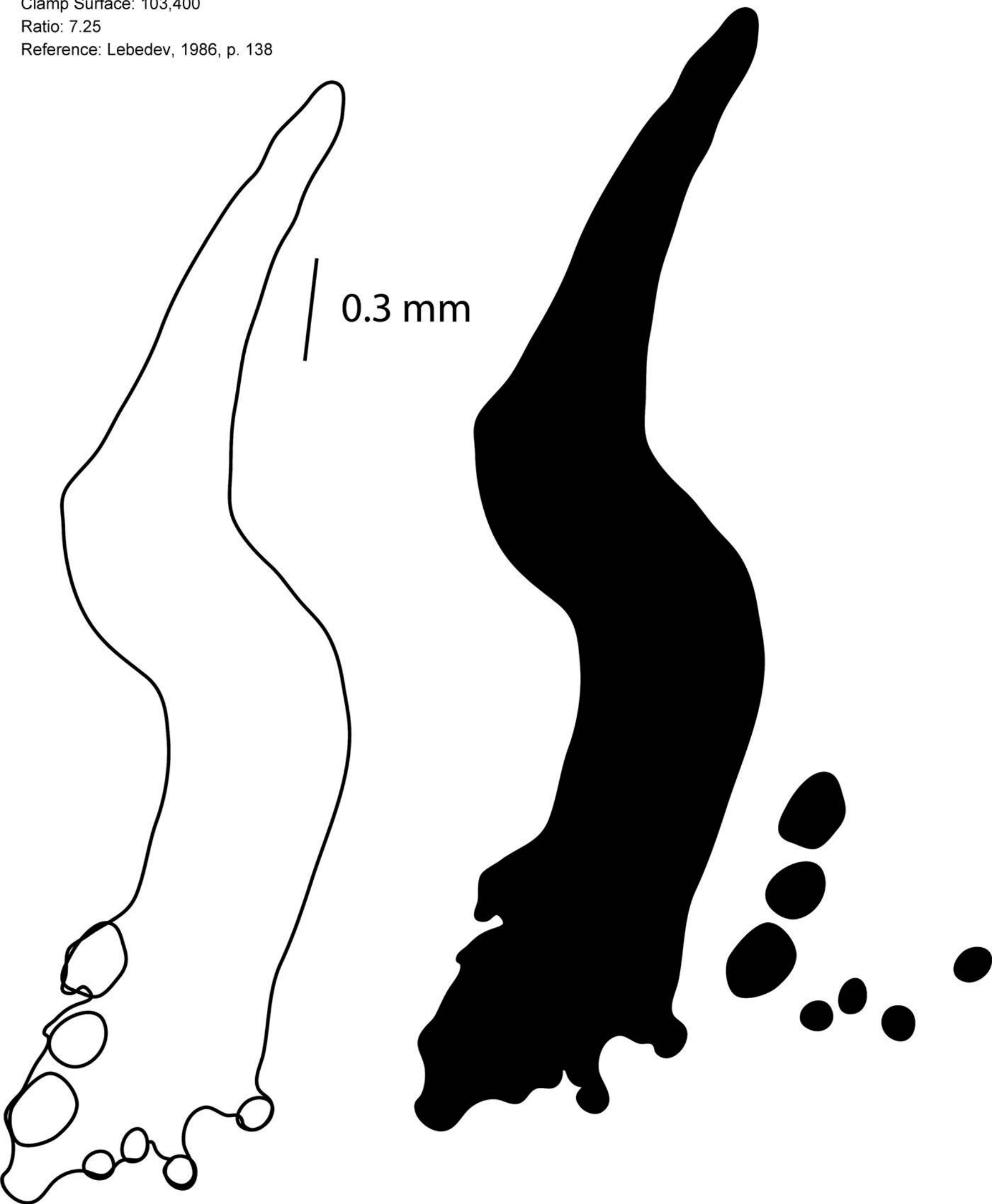
Species: *Salinacotyle mexicana* (Caballero & Bravo-Hollis, 1963) Lebedev, 1984

Body Surface: 1,425,544

Clamp Surface: 103,400

Ratio: 7.25

Reference: Lebedev, 1986, p. 138



Family: Gastrocotylidae

Species: *Allopseudaxine macrova* (Unnithan, 1957) Yamaguti, 1963

Body Surface: 4,858,980

Clamp Surface: 388,611

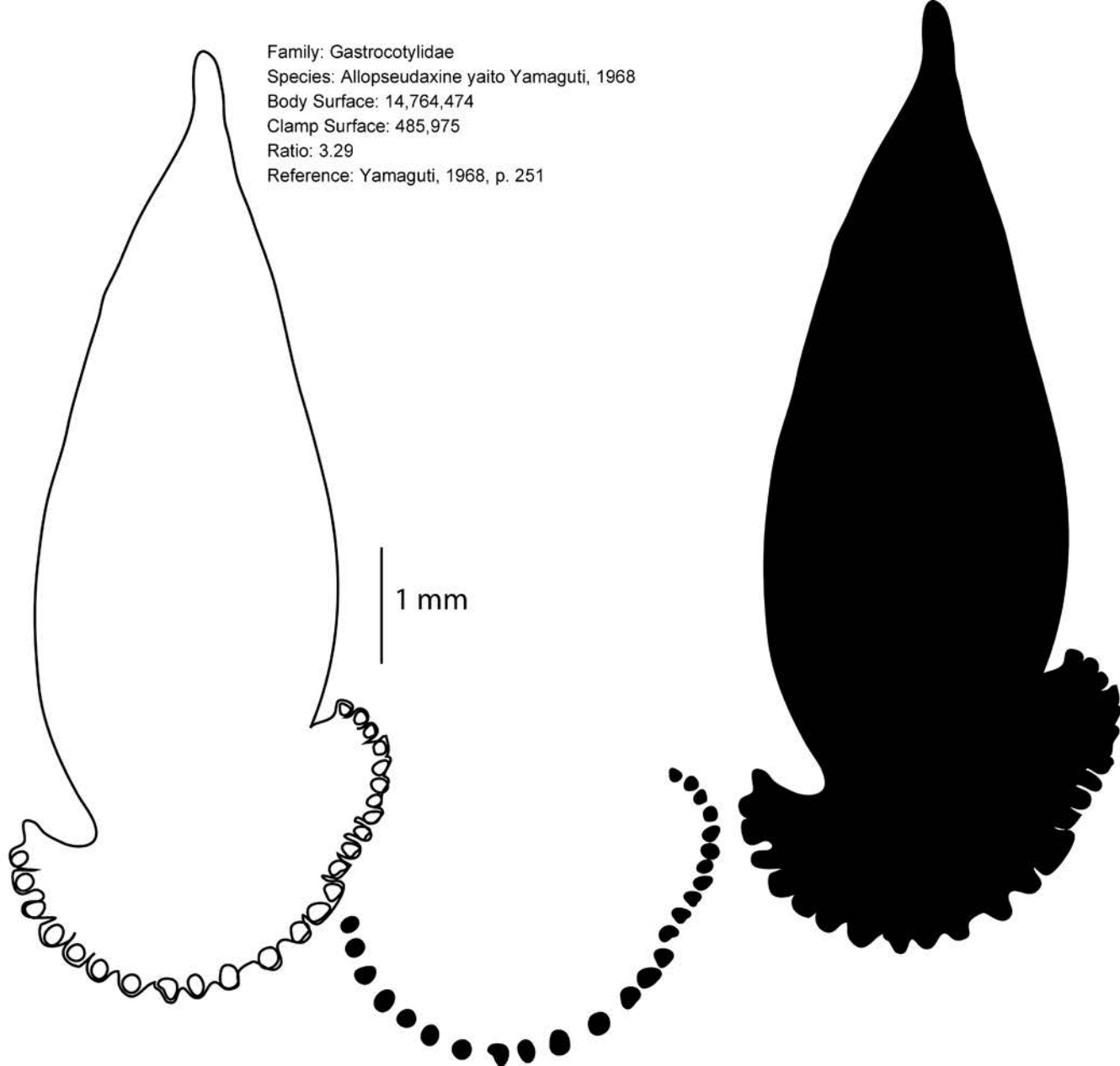
Ratio: 8.00

Reference: Yamaguti, 1963, p. 265

1 mm



Family: Gastrocotylidae
Species: *Allopseudaxine yaito* Yamaguti, 1968
Body Surface: 14,764,474
Clamp Surface: 485,975
Ratio: 3.29
Reference: Yamaguti, 1968, p. 251



Family: Gastrocotylidae

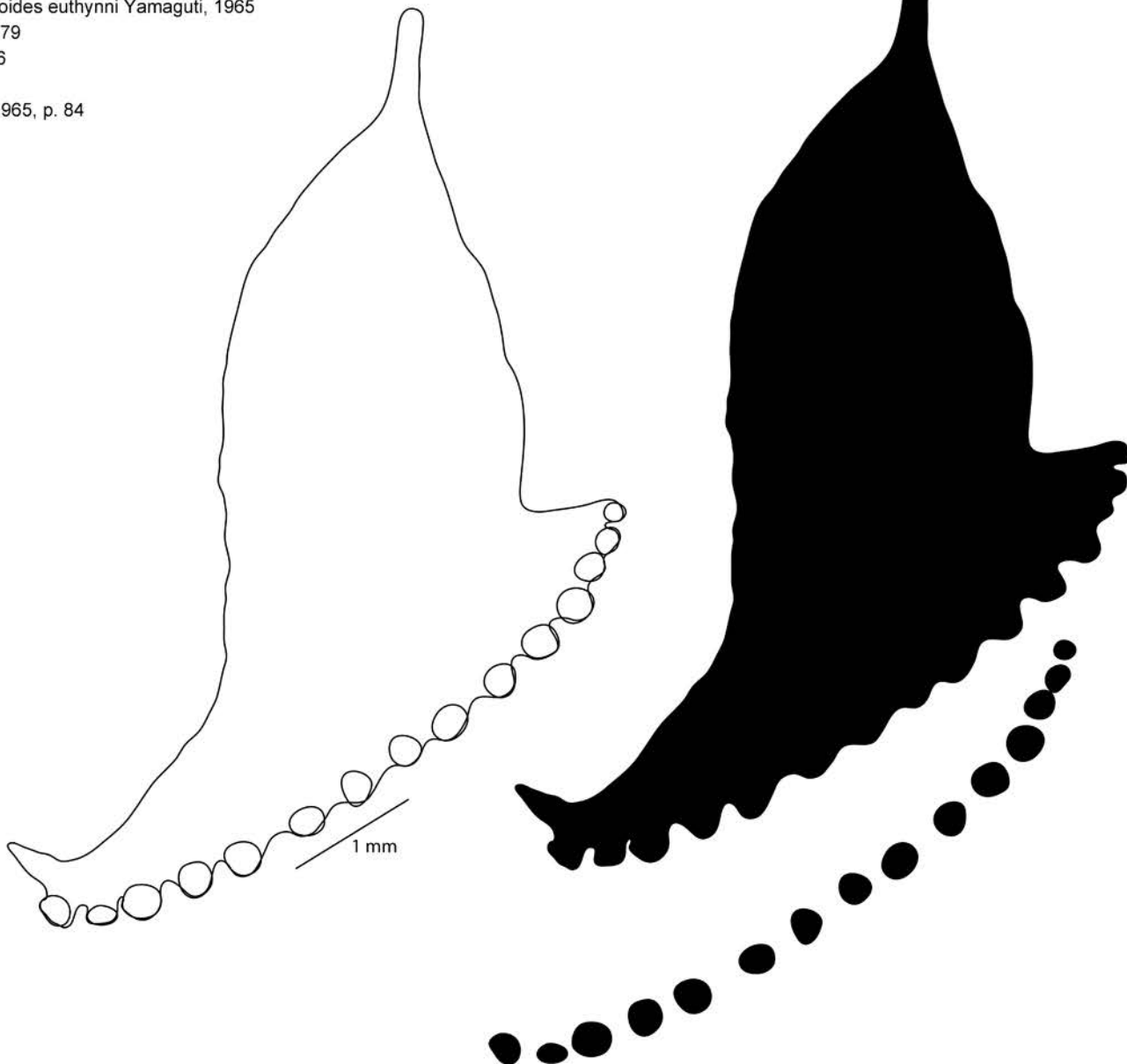
Species: *Allopseudaxinoides euthynni* Yamaguti, 1965

Body Surface: 11,587,179

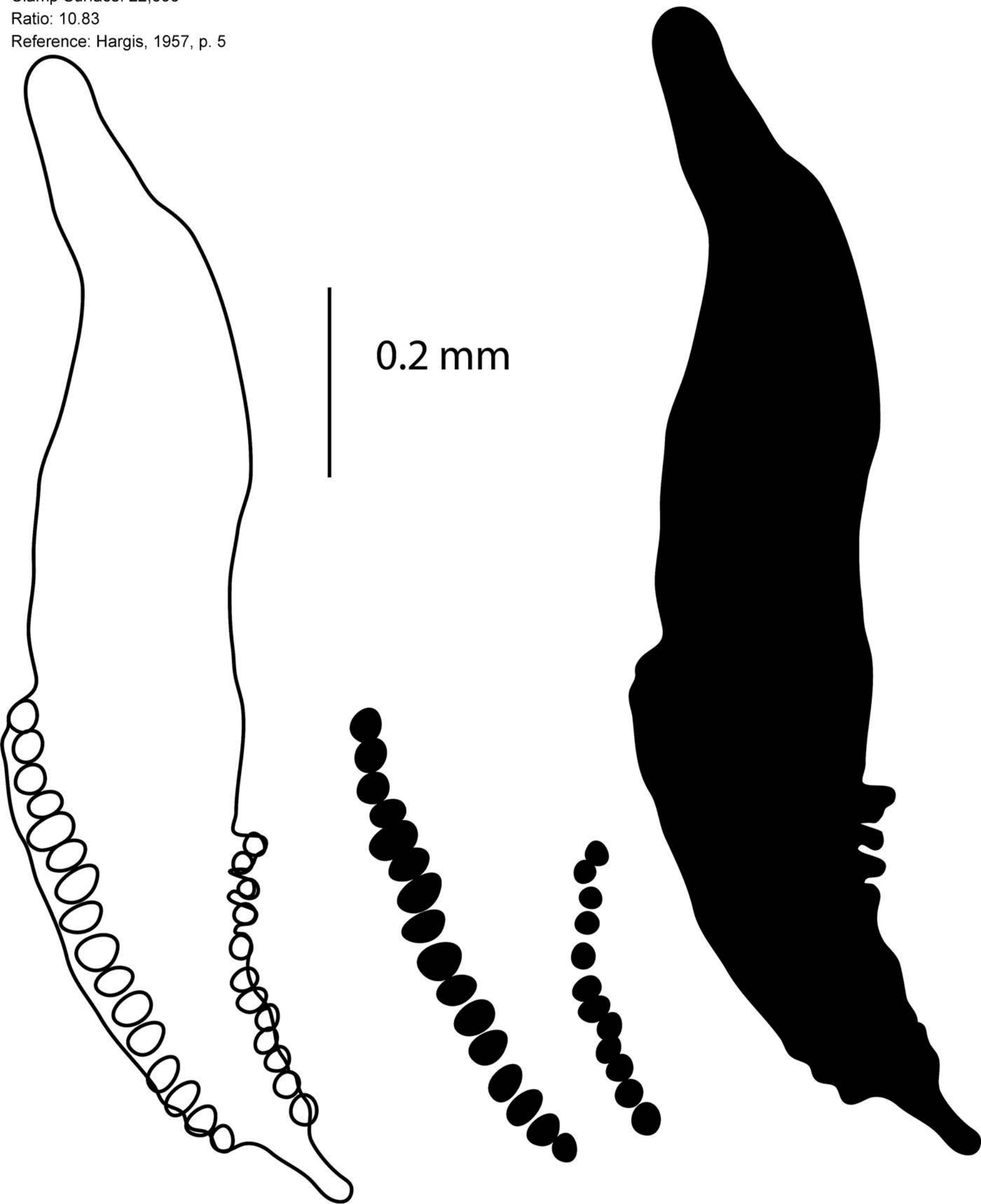
Clamp Surface: 720,066

Ratio: 6.21

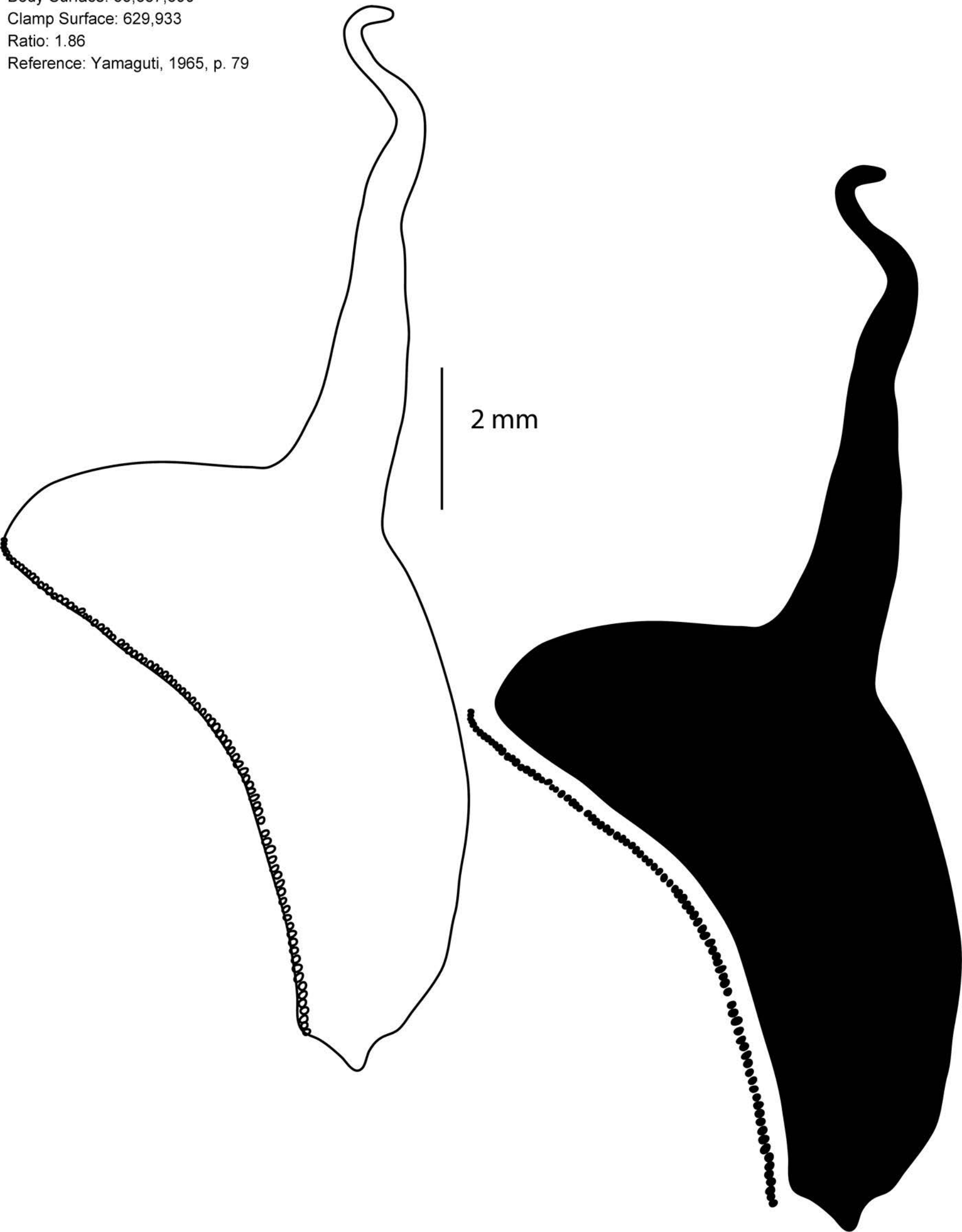
Reference: Yamaguti, 1965, p. 84



Family: Gastrocotylidae
Species: *Amphipolycotyle chloroscombrus* Hargis, 1957
Body Surface: 209,204
Clamp Surface: 22,656
Ratio: 10.83
Reference: Hargis, 1957, p. 5



Family: Gastrocotylidae
Species: *Areotestis sibi* Yamaguti, 1965
Body Surface: 33,887,590
Clamp Surface: 629,933
Ratio: 1.86
Reference: Yamaguti, 1965, p. 79



Family: Gastrocotylidae

Species: *Churavera macrova*

Unnithan, 1968

Body Surface: 2,844,619

Clamp Surface: 67,889

Ratio: 2.39

Reference: Pandey, 2008,

p. 368

1 mm



Family: Gastrocotylidae

Species: *Cypselurobranchitrema spilonopteri* Yamaguti, 1966

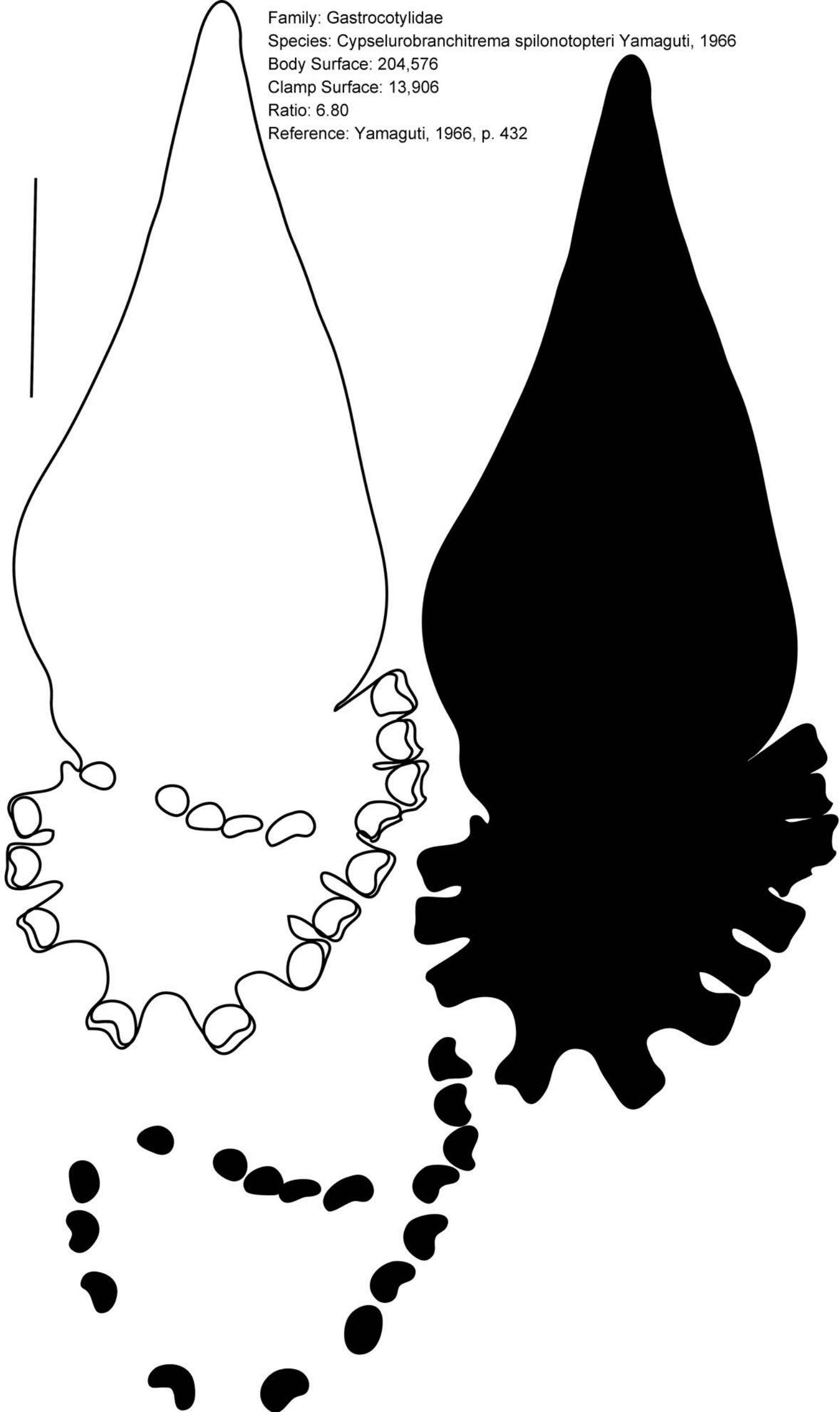
Body Surface: 204,576

Clamp Surface: 13,906

Ratio: 6.80

Reference: Yamaguti, 1966, p. 432

0.2 mm



Family: Gastrocotylidae

Species: *Engraulicola forcepopensis*

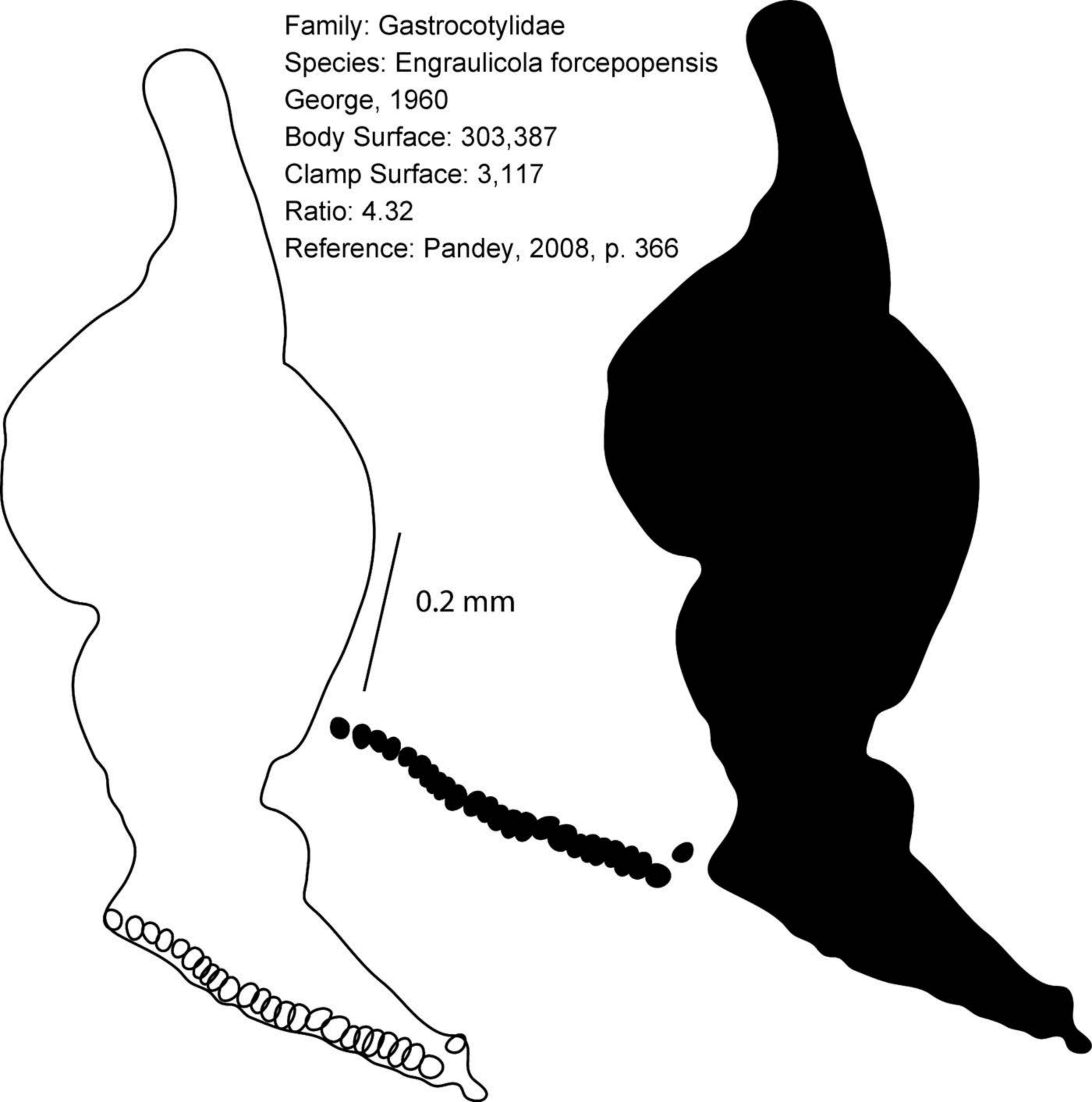
George, 1960

Body Surface: 303,387

Clamp Surface: 3,117

Ratio: 4.32

Reference: Pandey, 2008, p. 366



Family: Gastrocotylidae

Species: *Engraulicola micropharyngella* Unnithan, 1967

Body Surface: 293,283

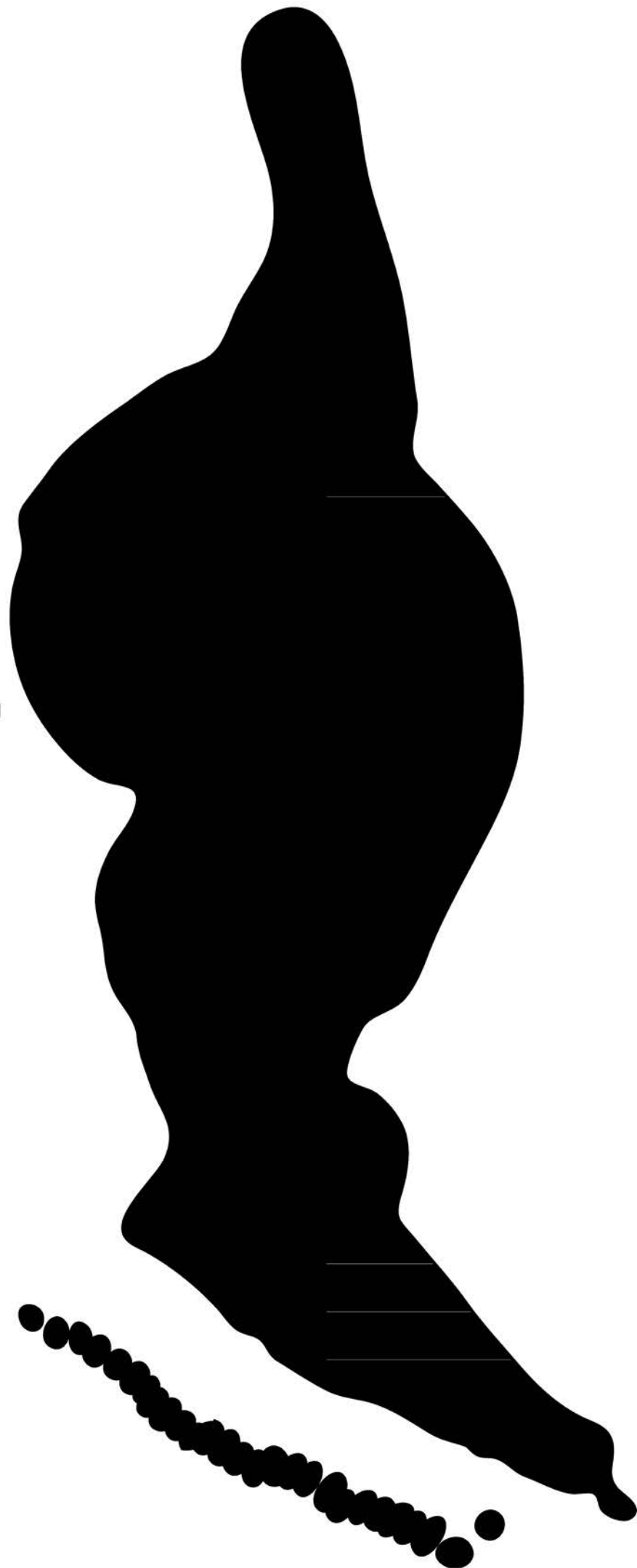
Clamp Surface: 12,295

Ratio: 4.19

Reference: Unnithan, 1967, p. 212



0.2 mm



Family: Gastrocotylidae

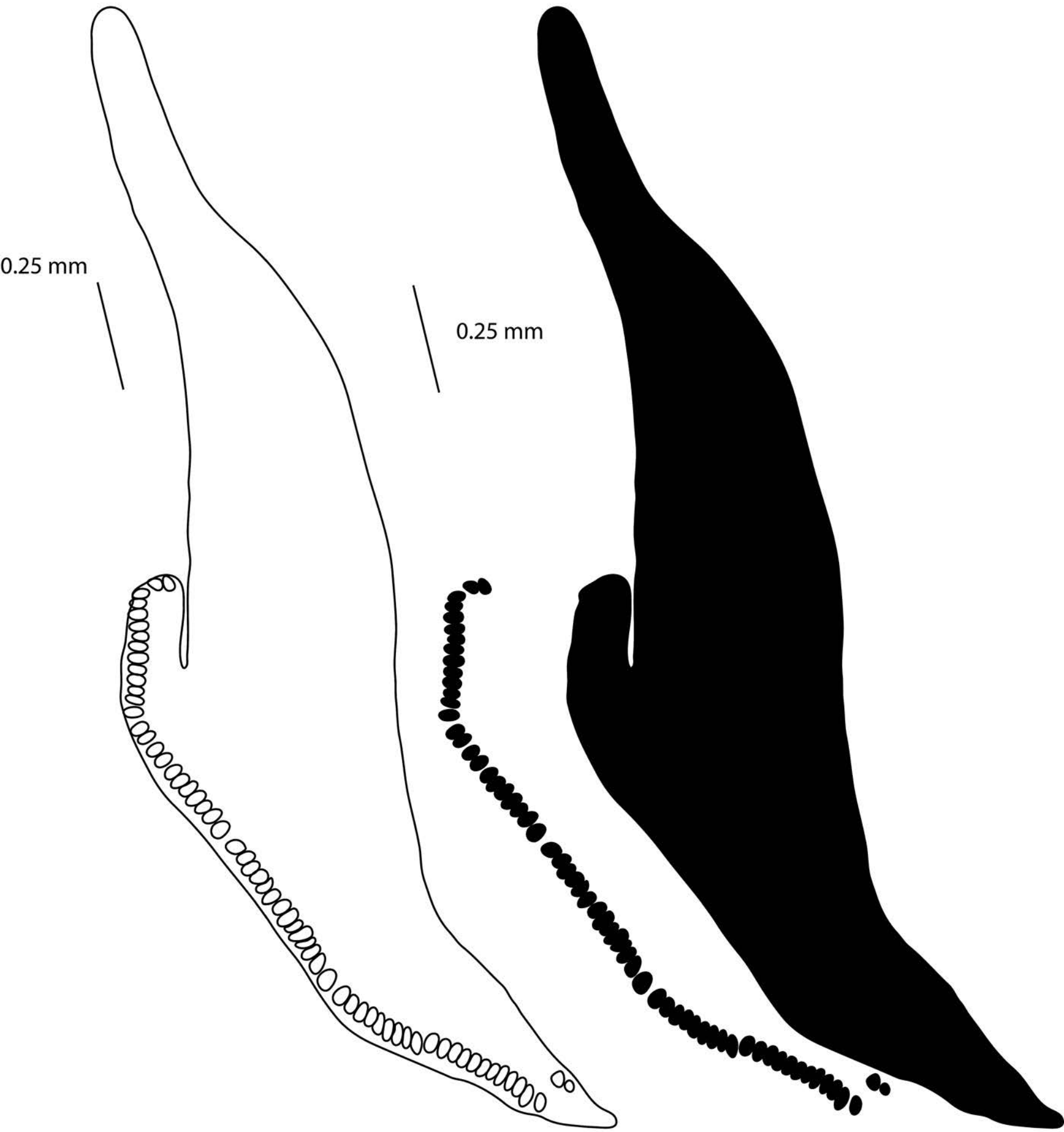
Species: *Engraulicola thrissocles* (Tripathi, 1959) Lebedev, 1971

Body Surface: 1,014,407

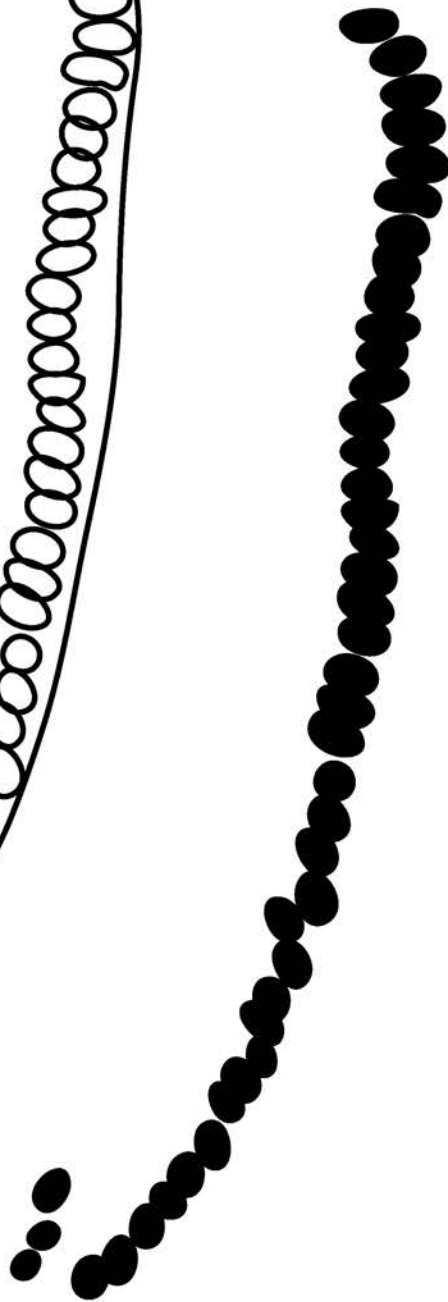
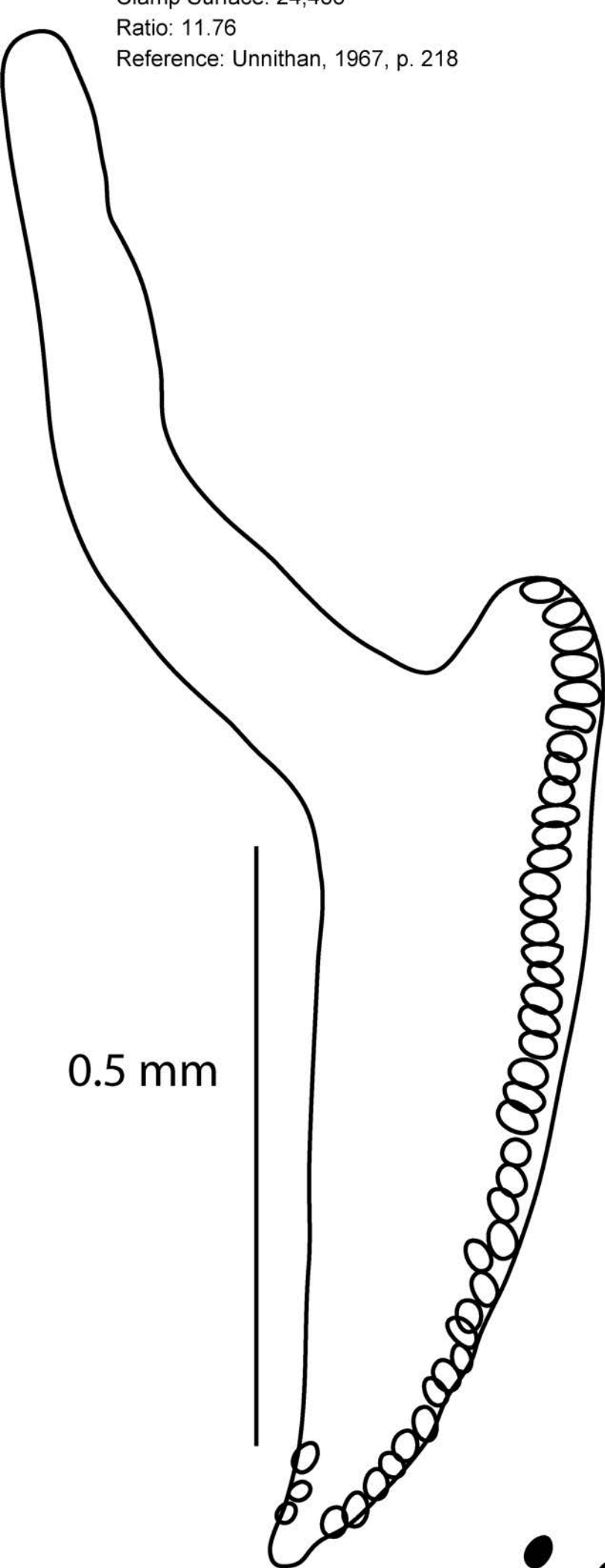
Clamp Surface: 69,075

Ratio: 6.81

Reference: Lebedev, 1986, p. 70

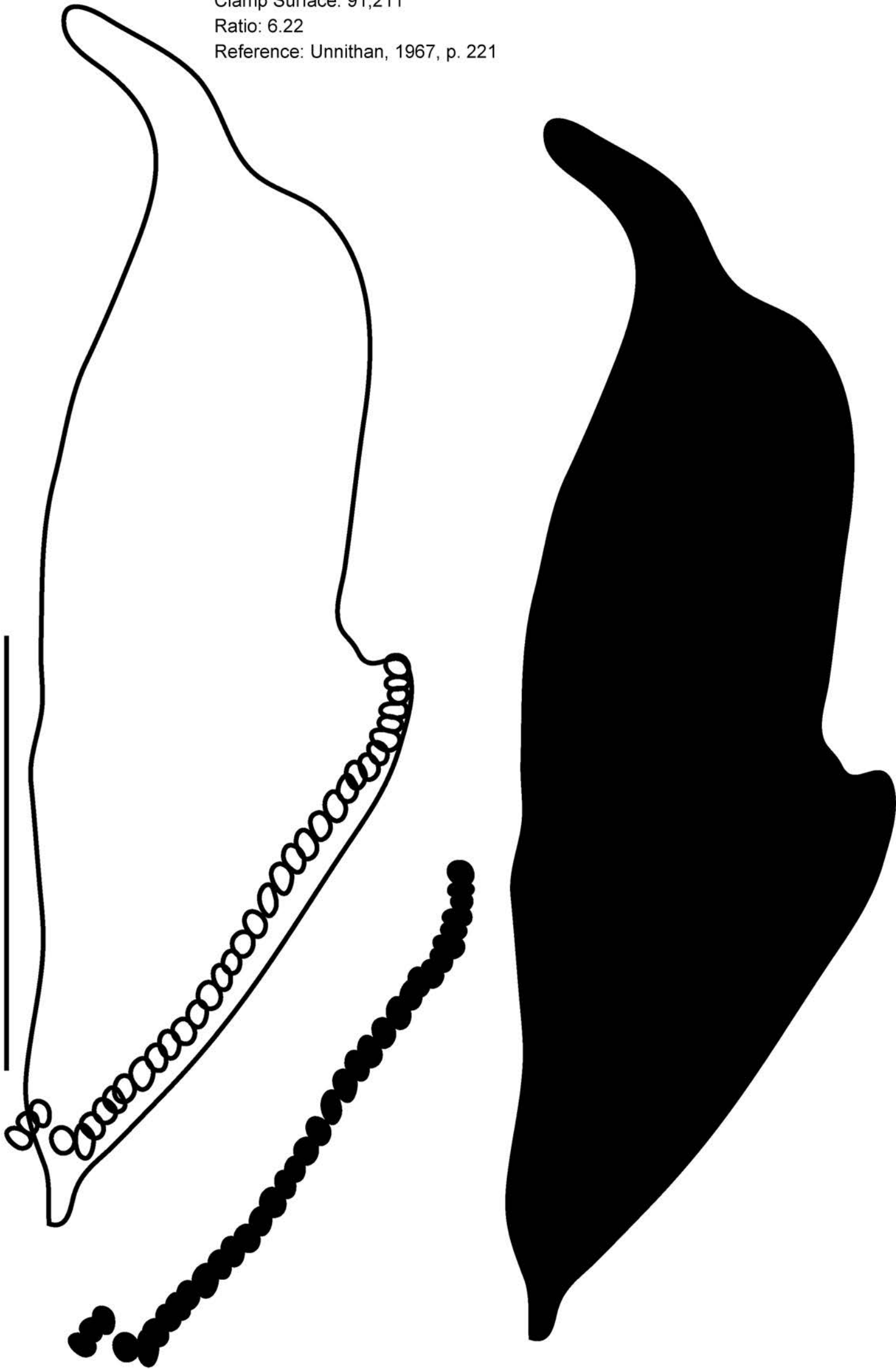


Family: Gastrocotylidae
species: *Engrauliphila grex* Unnithan, 1967
Body Surface: 208,190
Clamp Surface: 24,488
Ratio: 11.76
Reference: Unnithan, 1967, p. 218



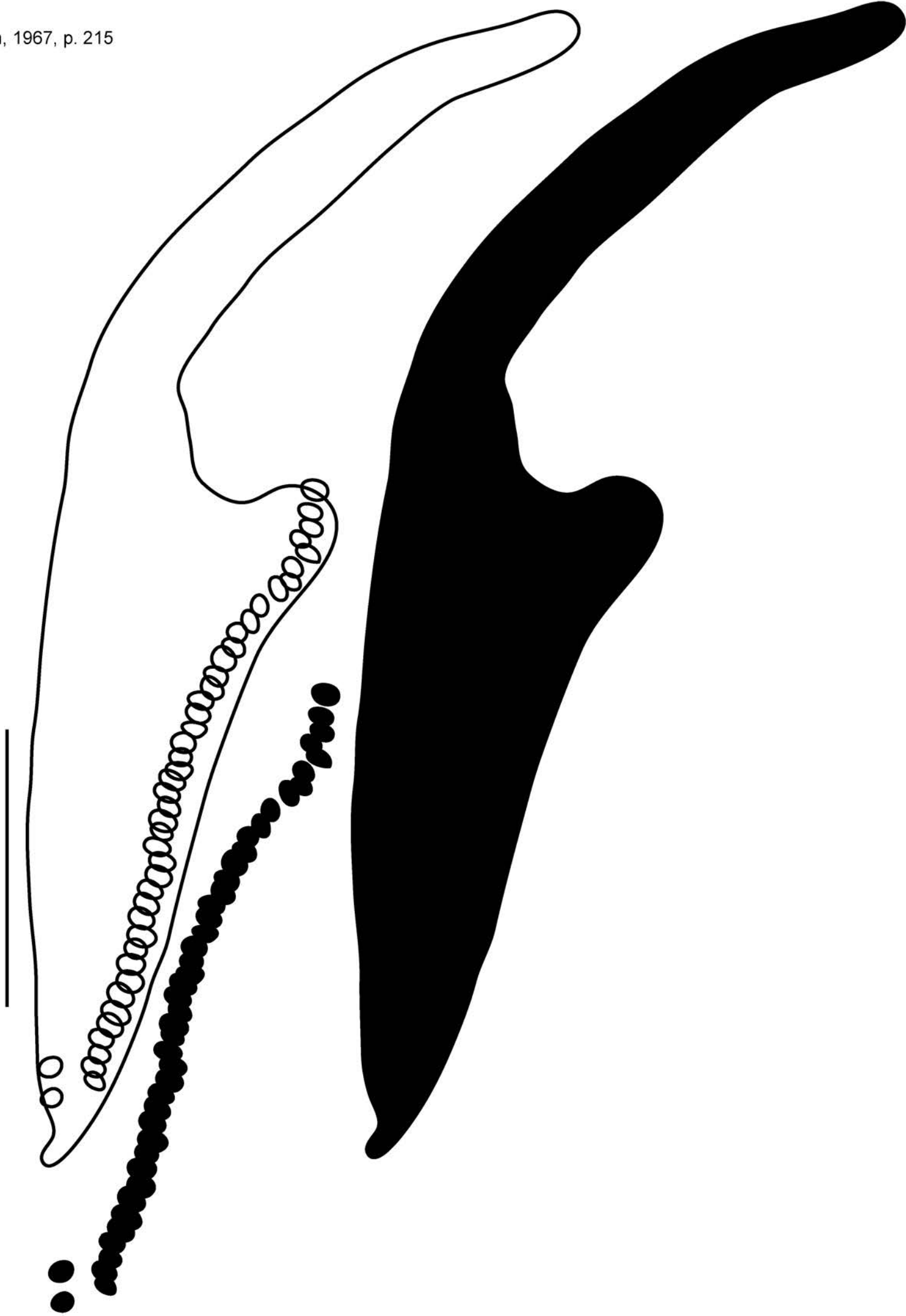
Family: Gastrocotylidae
Species: *Engrauliscobina triaptella* Unnithan, 1967
Body Surface: 1,465,577
Clamp Surface: 91,211
Ratio: 6.22
Reference: Unnithan, 1967, p. 221

1 mm

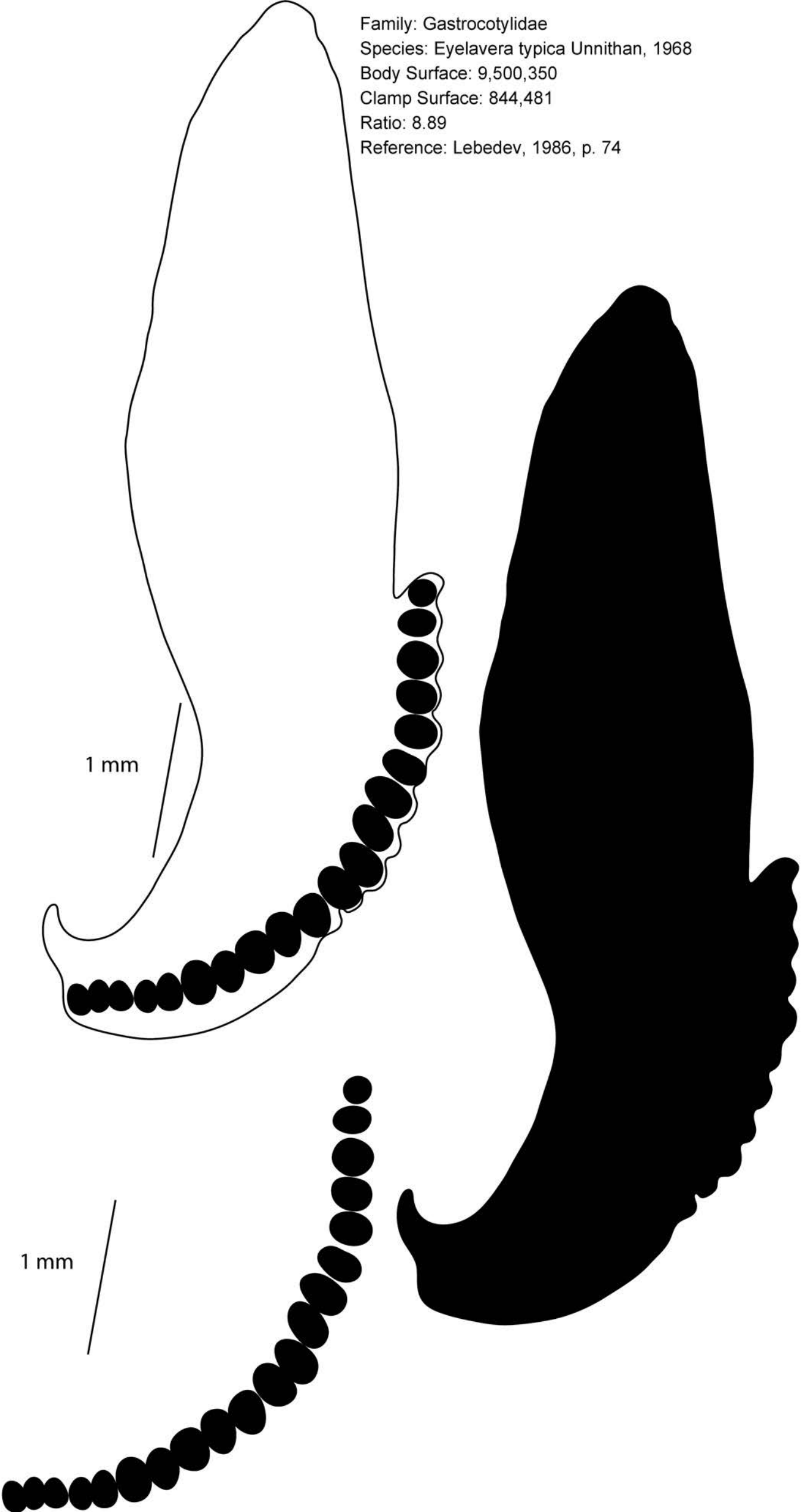


Family: Gastrocotylidae
Species: *Engraulixenus malabaricus* Unnithan, 1967
Body Surface: 556,699
Clamp Surface: 56,562
Ratio: 10.16
Reference: Unnithan, 1967, p. 215

0.5 mm



Family: Gastrocotylidae
Species: *Eyelavera typica* Unnithan, 1968
Body Surface: 9,500,350
Clamp Surface: 844,481
Ratio: 8.89
Reference: Lebedev, 1986, p. 74



Family: Gastrocotylidae

Species: *Gastrocotyle indica*

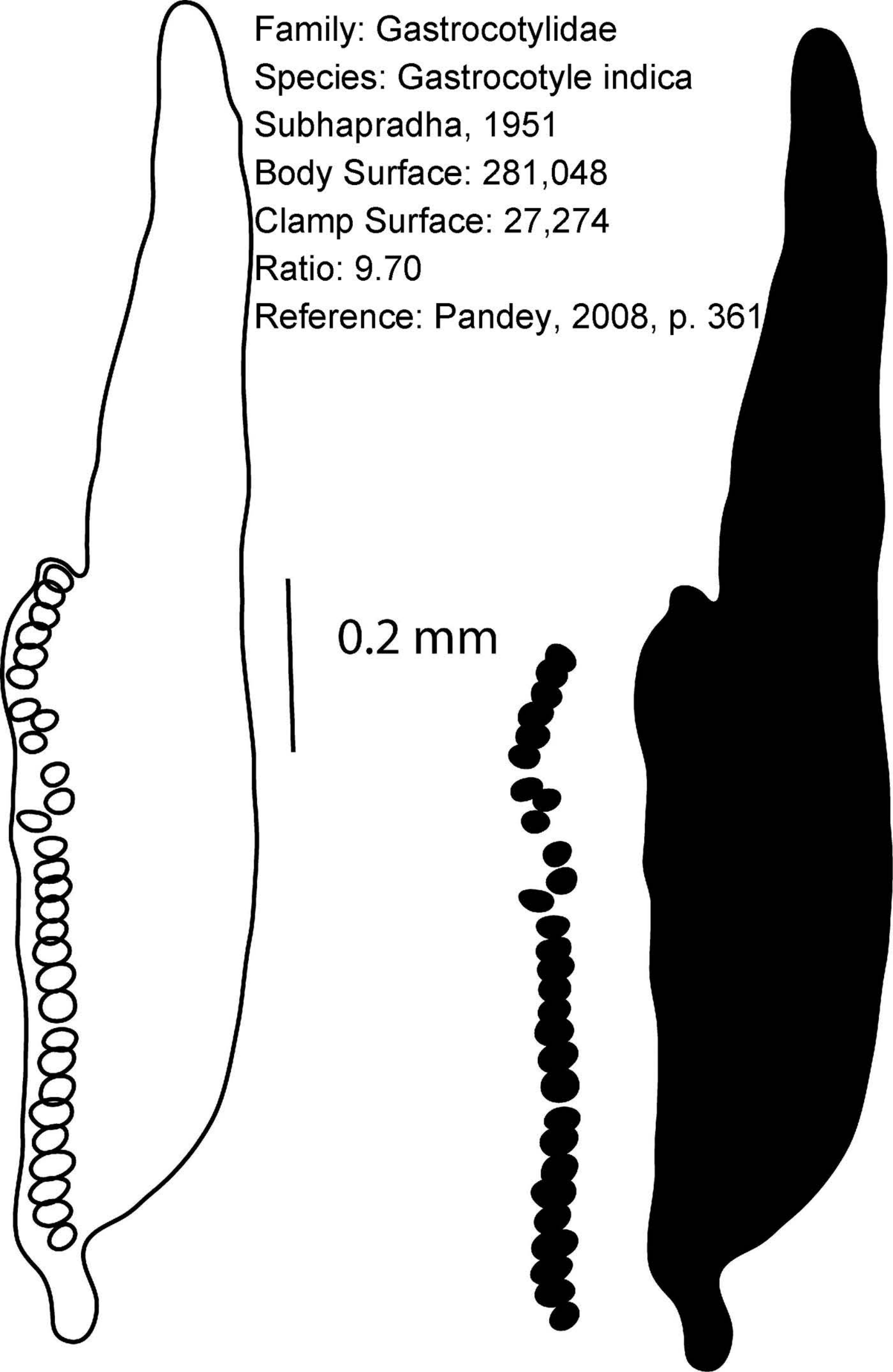
Subhapradha, 1951

Body Surface: 281,048

Clamp Surface: 27,274

Ratio: 9.70

Reference: Pandey, 2008, p. 361



Family: Gastrocotylidae

Species: *Gastrocotyle kurra*

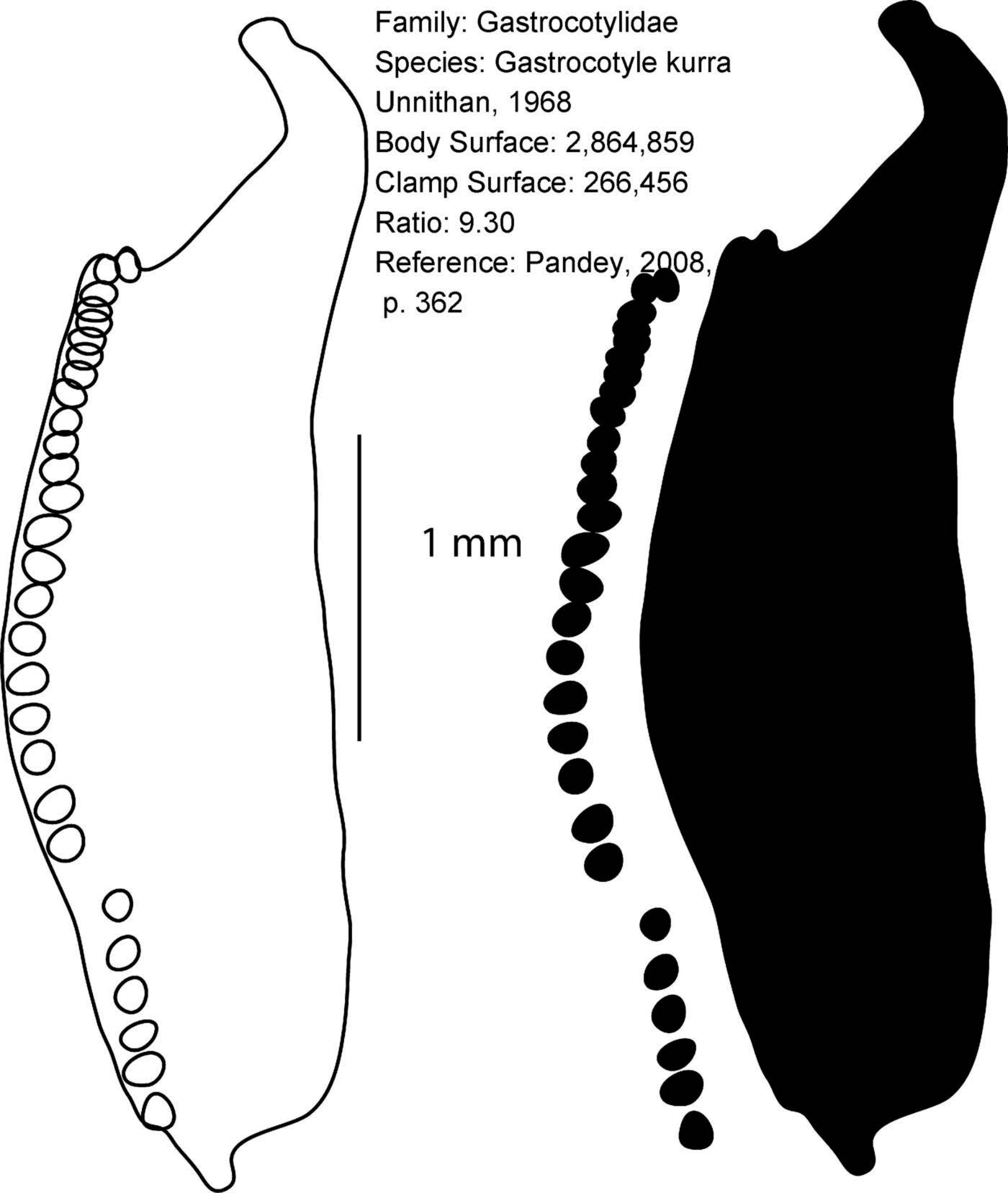
Unnithan, 1968

Body Surface: 2,864,859

Clamp Surface: 266,456

Ratio: 9.30

Reference: Pandey, 2008,
p. 362



Family: Gastrocotylidae

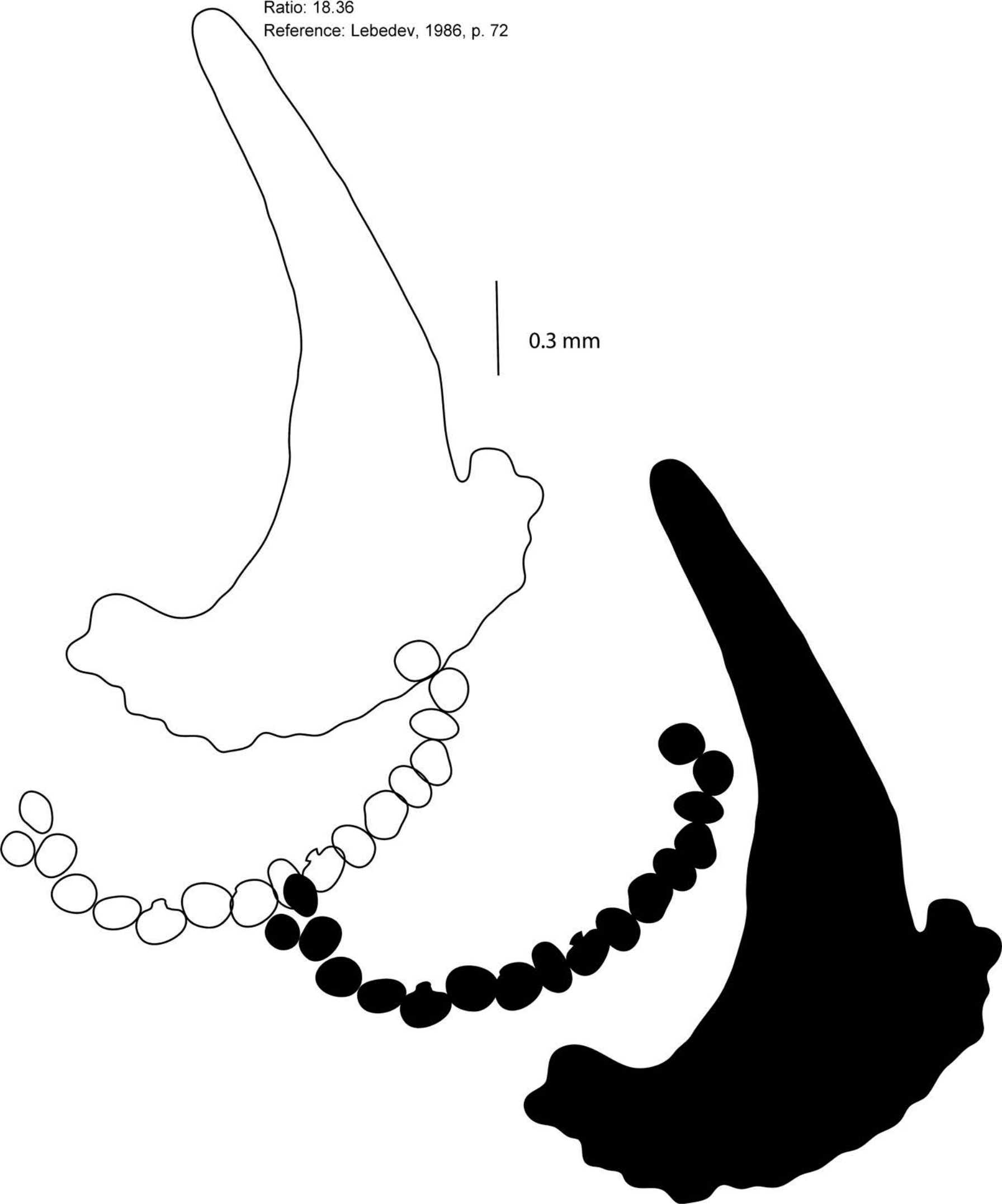
Species: *Gastrocotyloides dillonhargisi* Lebedev, 1980

Body Surface: 1,273,059

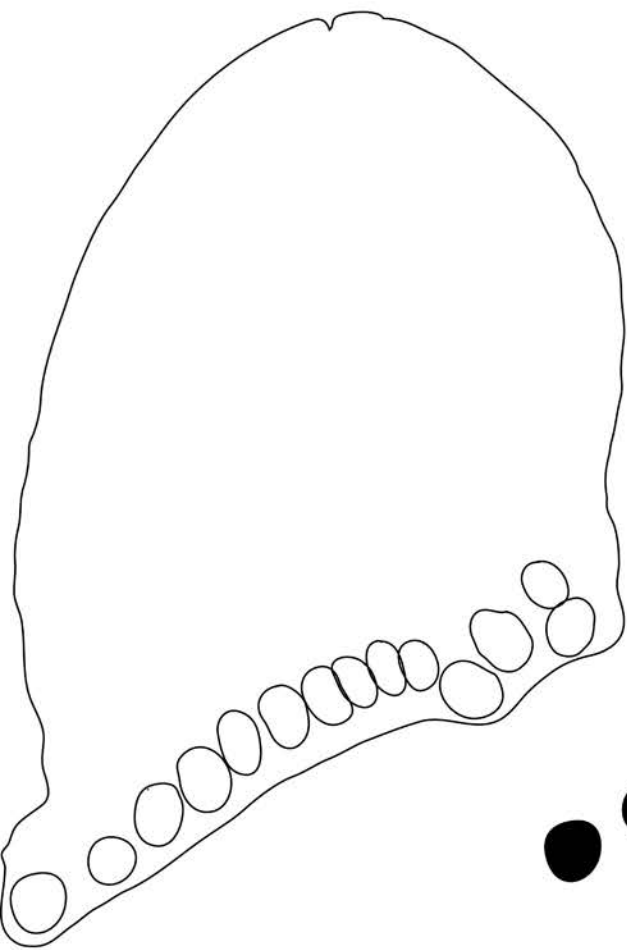
Clamp Surface: 233,778

Ratio: 18.36

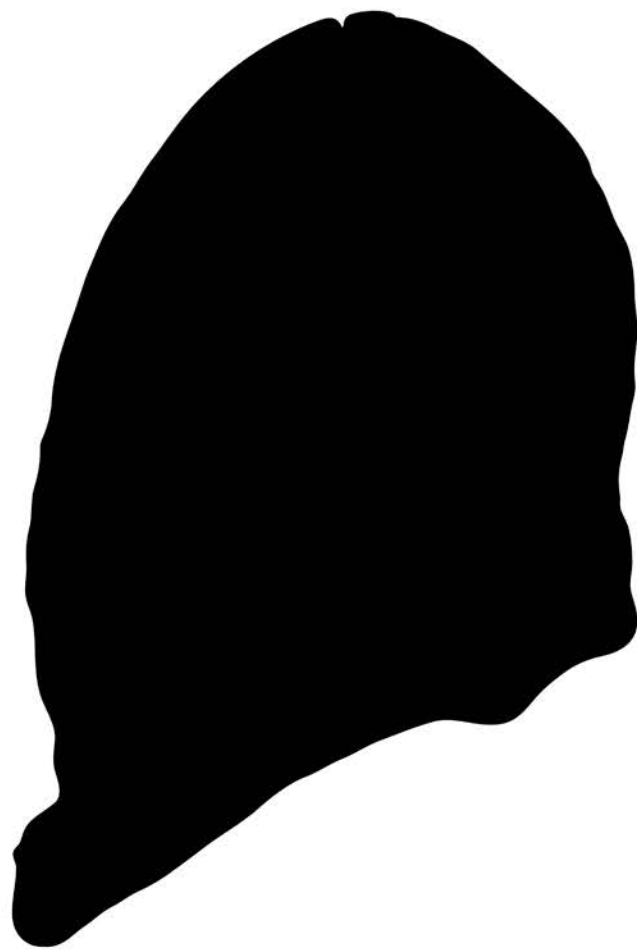
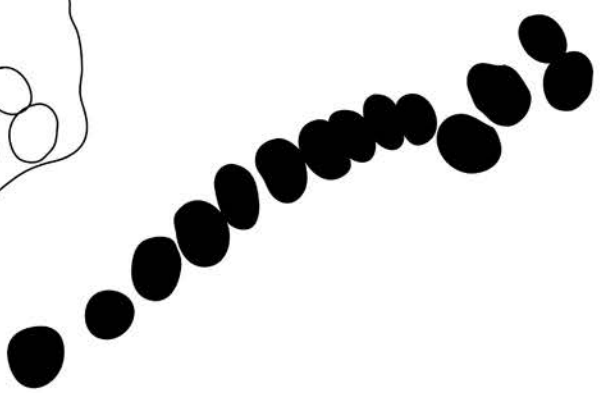
Reference: Lebedev, 1986, p. 72



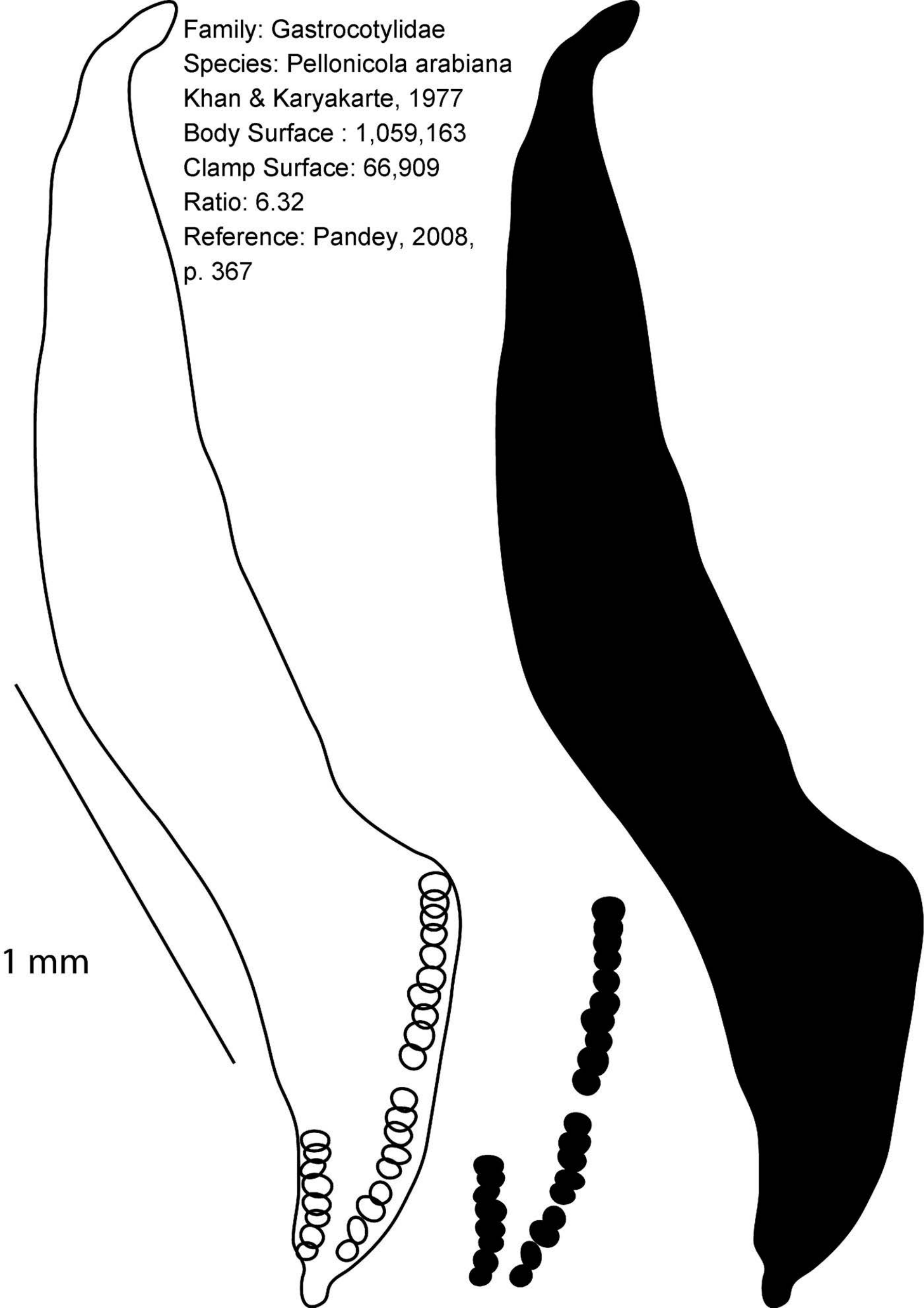
Family: Gastrocotylidae
Species: *Irinaxine miniata* Ghichenok, 1980
Body Surface: 741,990
Clamp Surface : 59,441
Ratio: 8.01
Reference: Lebedev, 1986, p. 60



| 0.1 mm



Family: Gastrocotylidae
Species: *Pellonicola arabiana*
Khan & Karyakarte, 1977
Body Surface : 1,059,163
Clamp Surface: 66,909
Ratio: 6.32
Reference: Pandey, 2008,
p. 367



1 mm

Family: Gastrocotylidae

Species: *Pellonicola elongatus* Unnithan, 1967

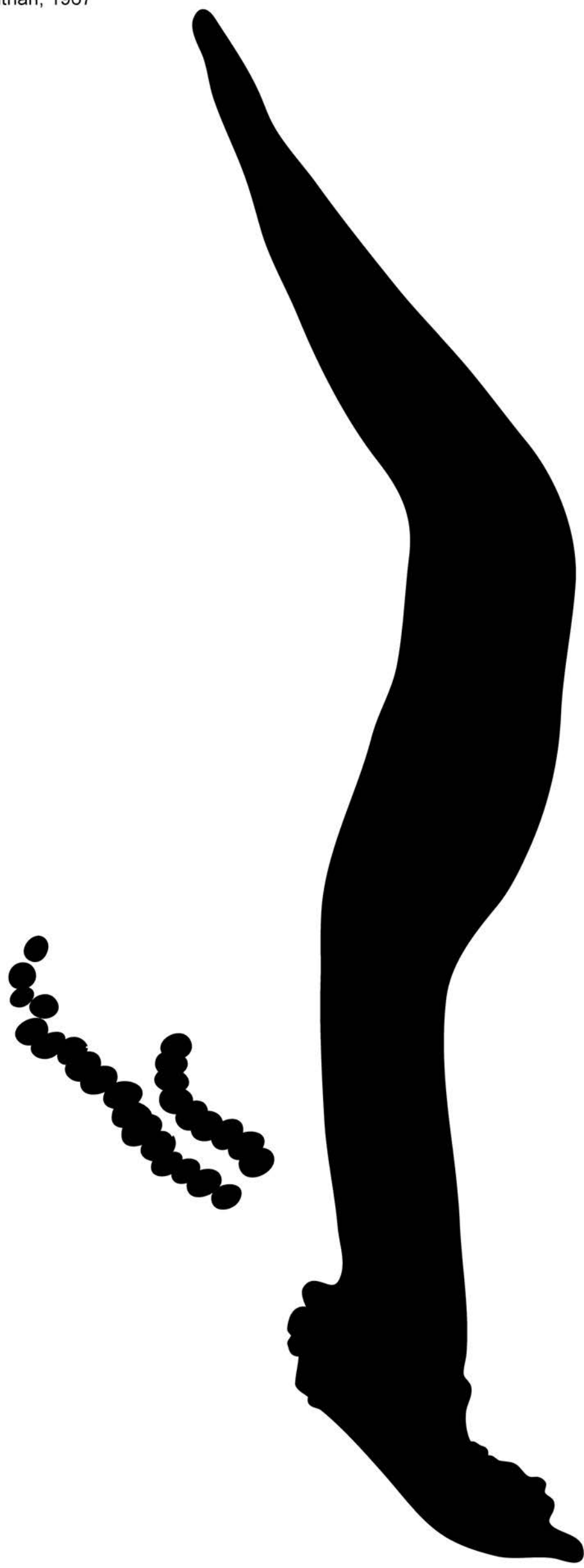
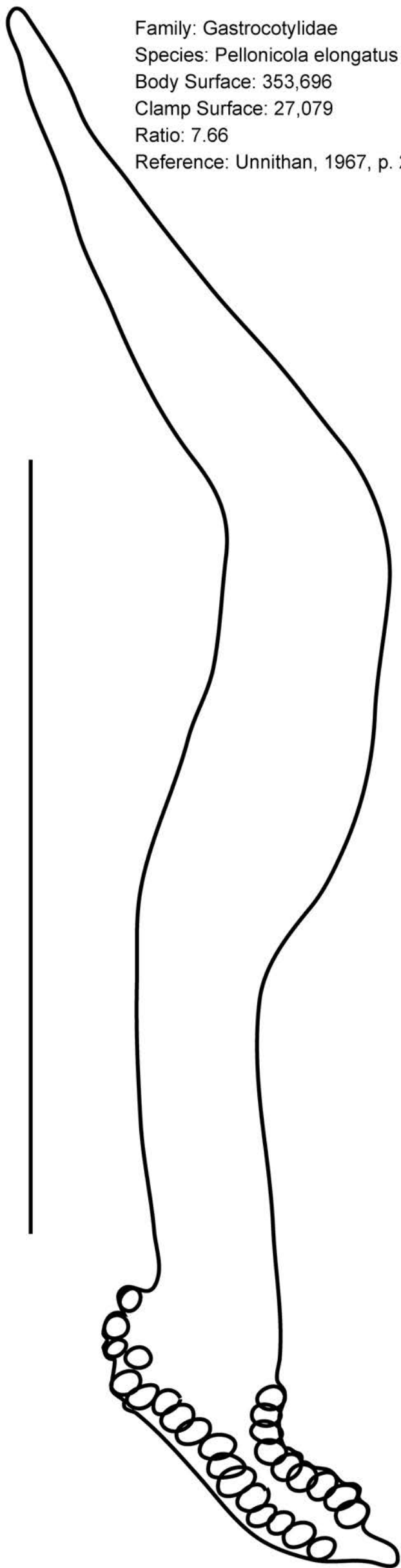
Body Surface: 353,696

Clamp Surface: 27,079

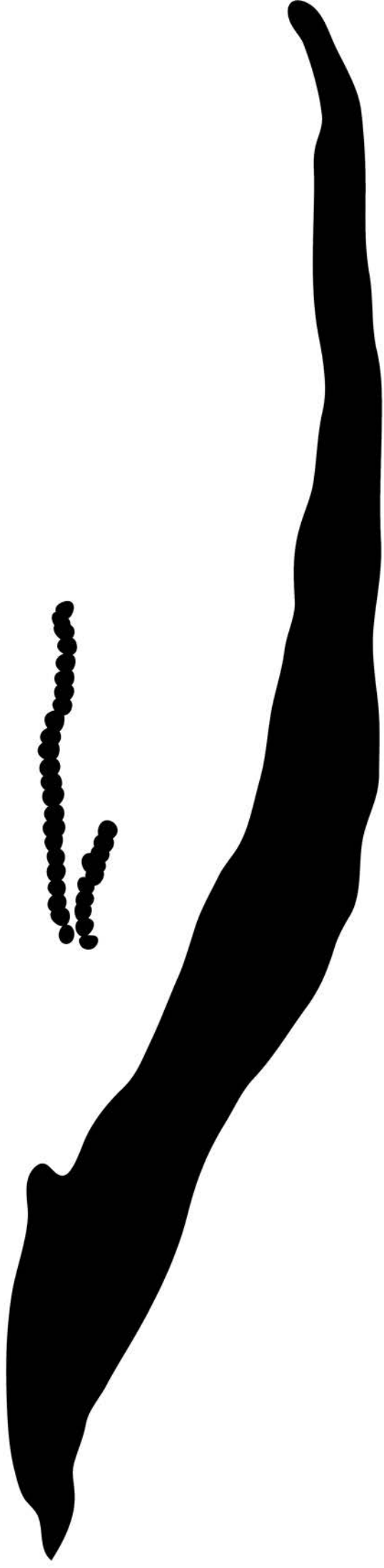
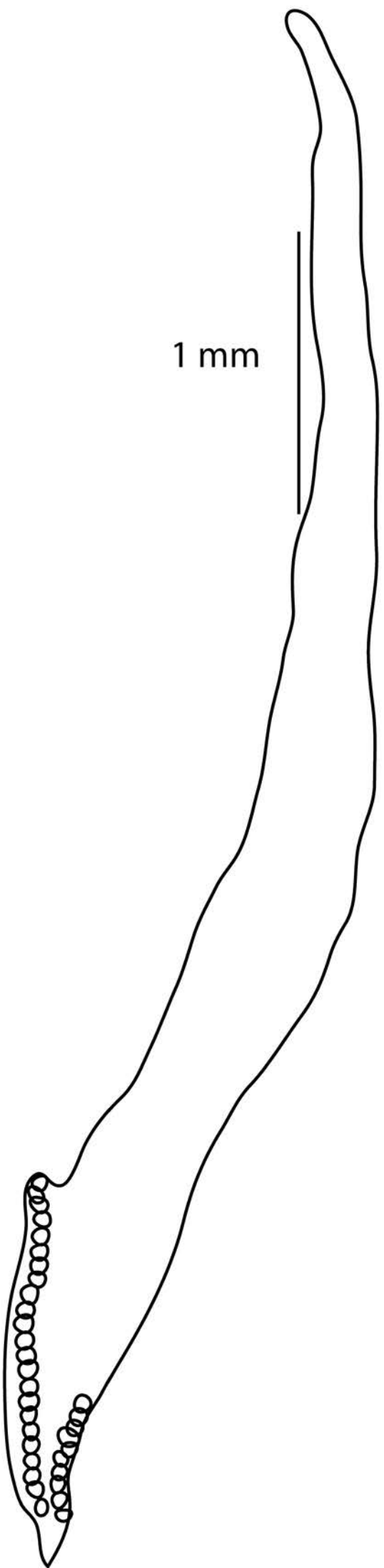
Ratio: 7.66

Reference: Unnithan, 1967, p. 225

1 mm

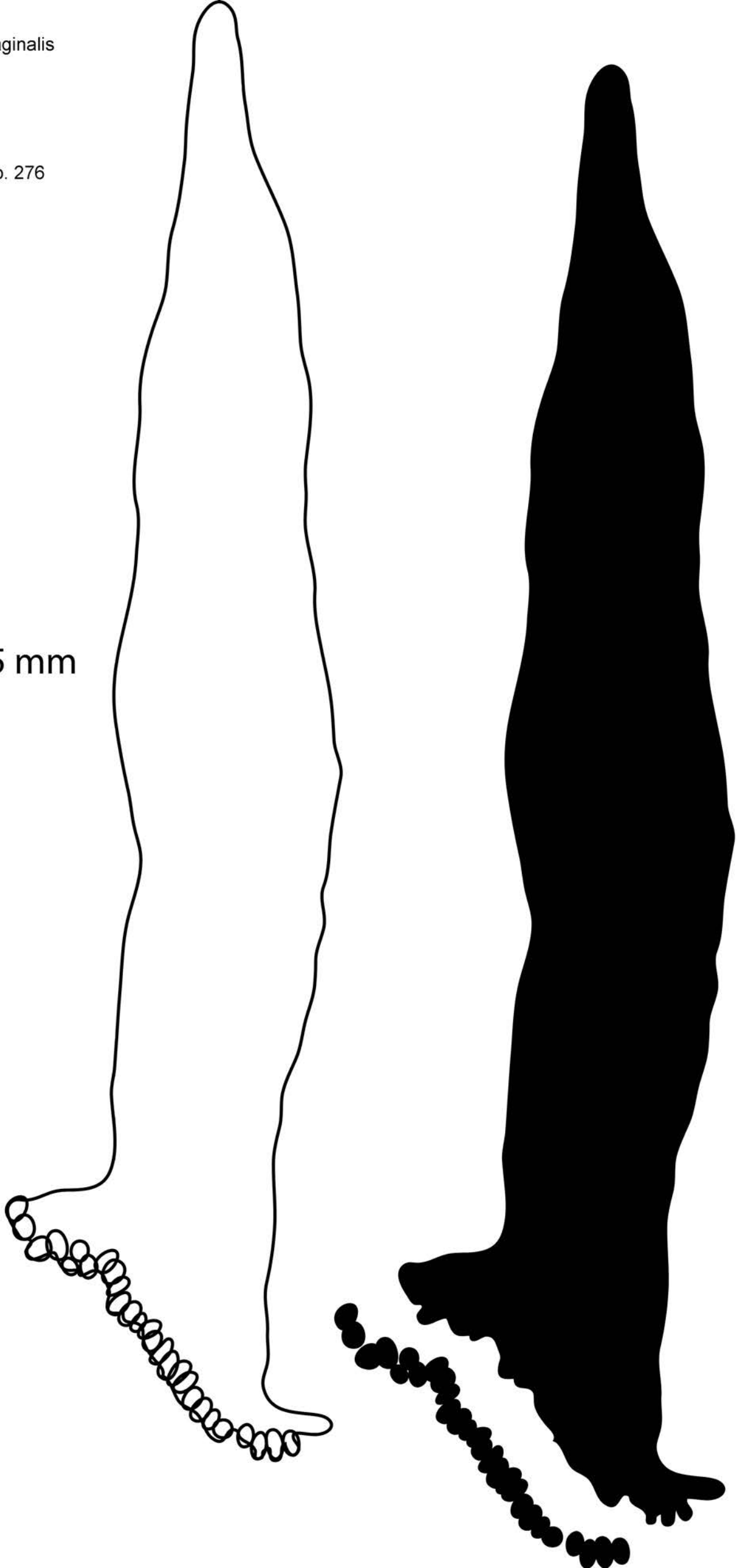


Family: Gastrocotylidae
Species: *Pellonicola lanceolatus* Kritsky & Bilqees, 1973
Body Surface: 1,785,588
Clamp Surface: 102,492
Ratio: 5.74
Reference: Kritsky, 1973, p. 198



Family: Gastrocotylidae
Species: *Pseudaxine bivaginalis*
Dillon & Hargis, 1965
Body Surface: 1,137,648
Clamp Surface: 44,201
Ratio: 3.89
Reference: Dillon, 1965, p. 276

0.5 mm



Family: Gastrocotylidae

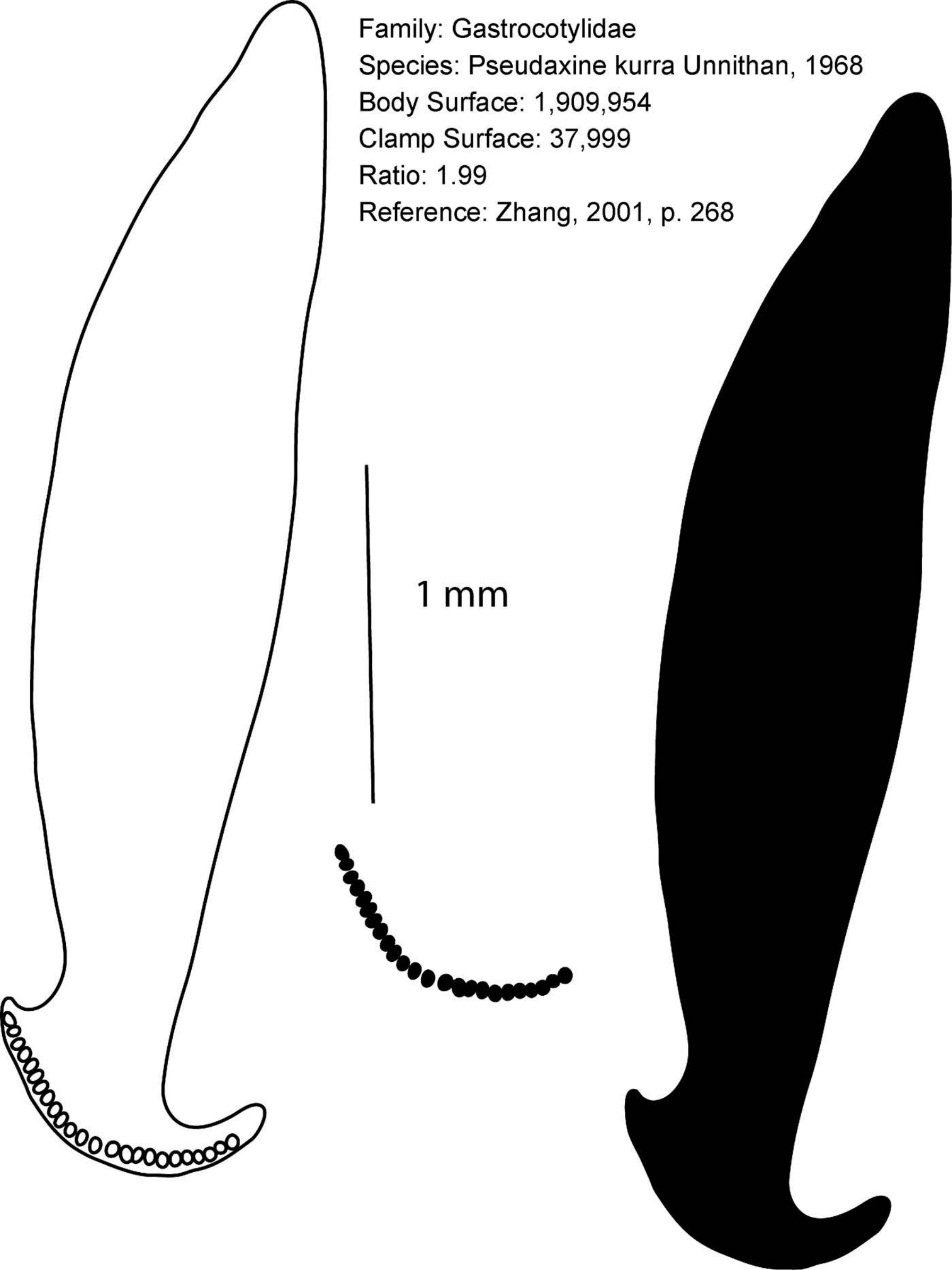
Species: *Pseudaxine kurra* Unnithan, 1968

Body Surface: 1,909,954

Clamp Surface: 37,999

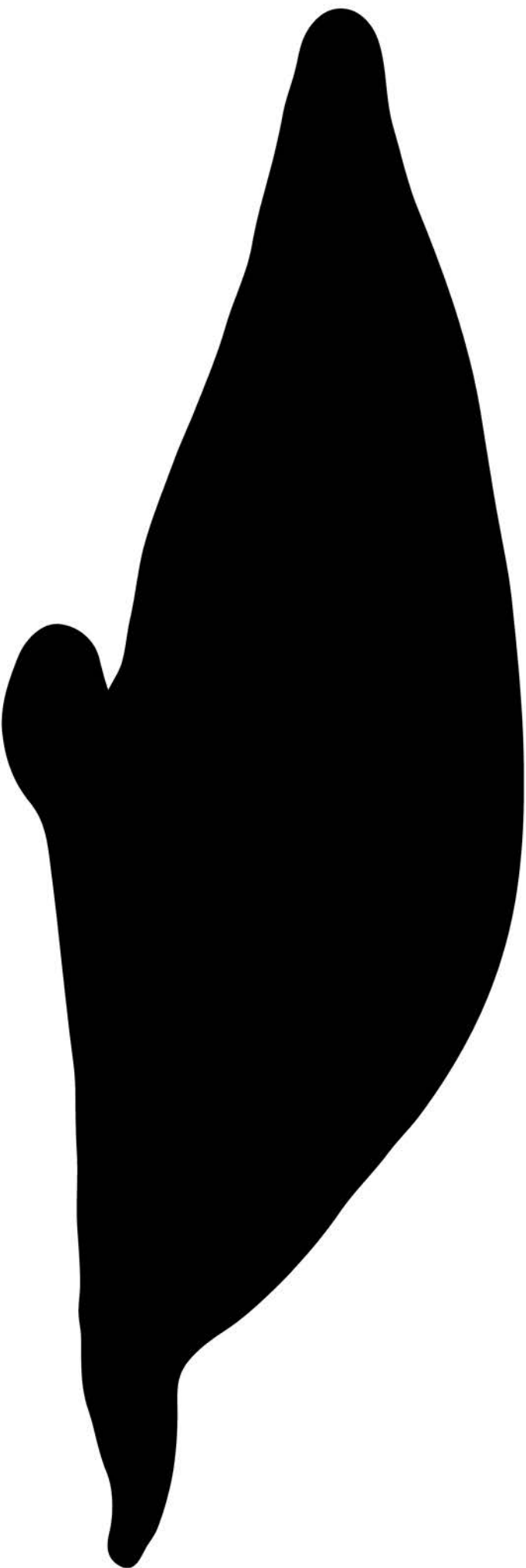
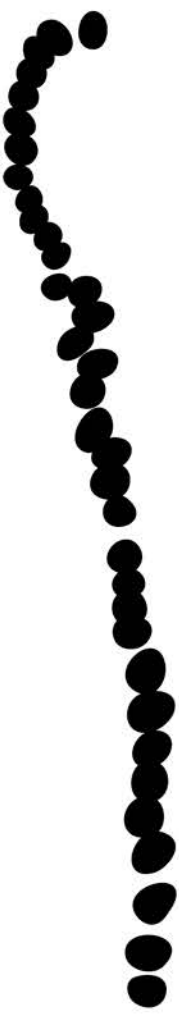
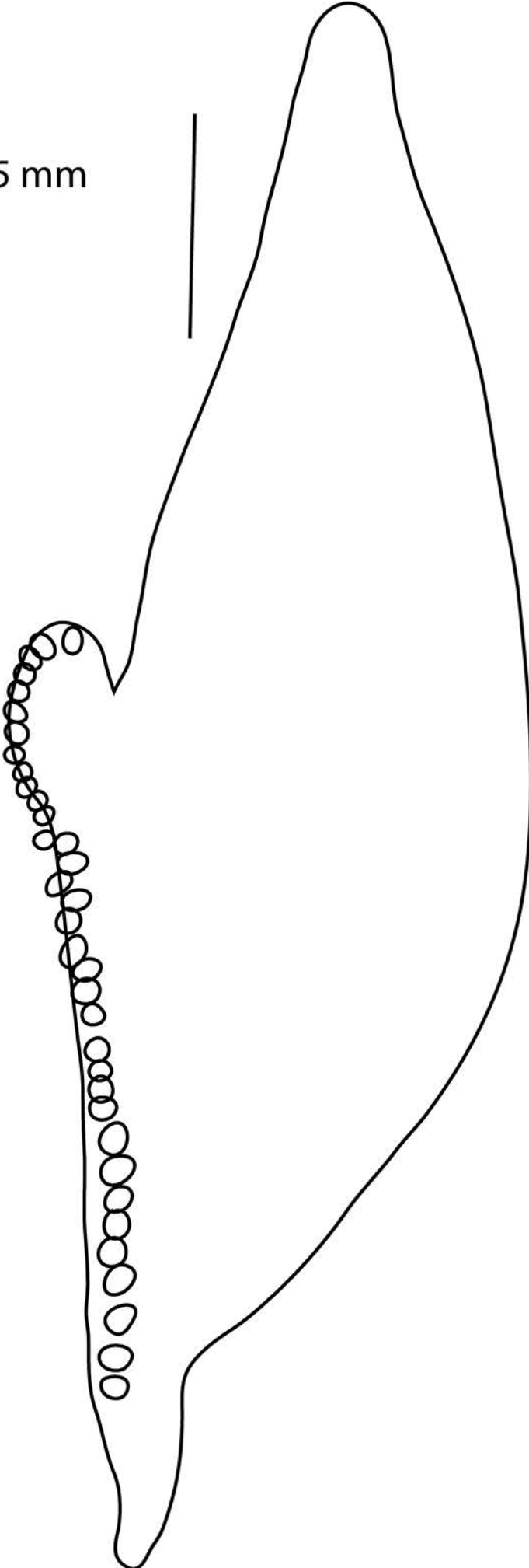
Ratio: 1.99

Reference: Zhang, 2001, p. 268

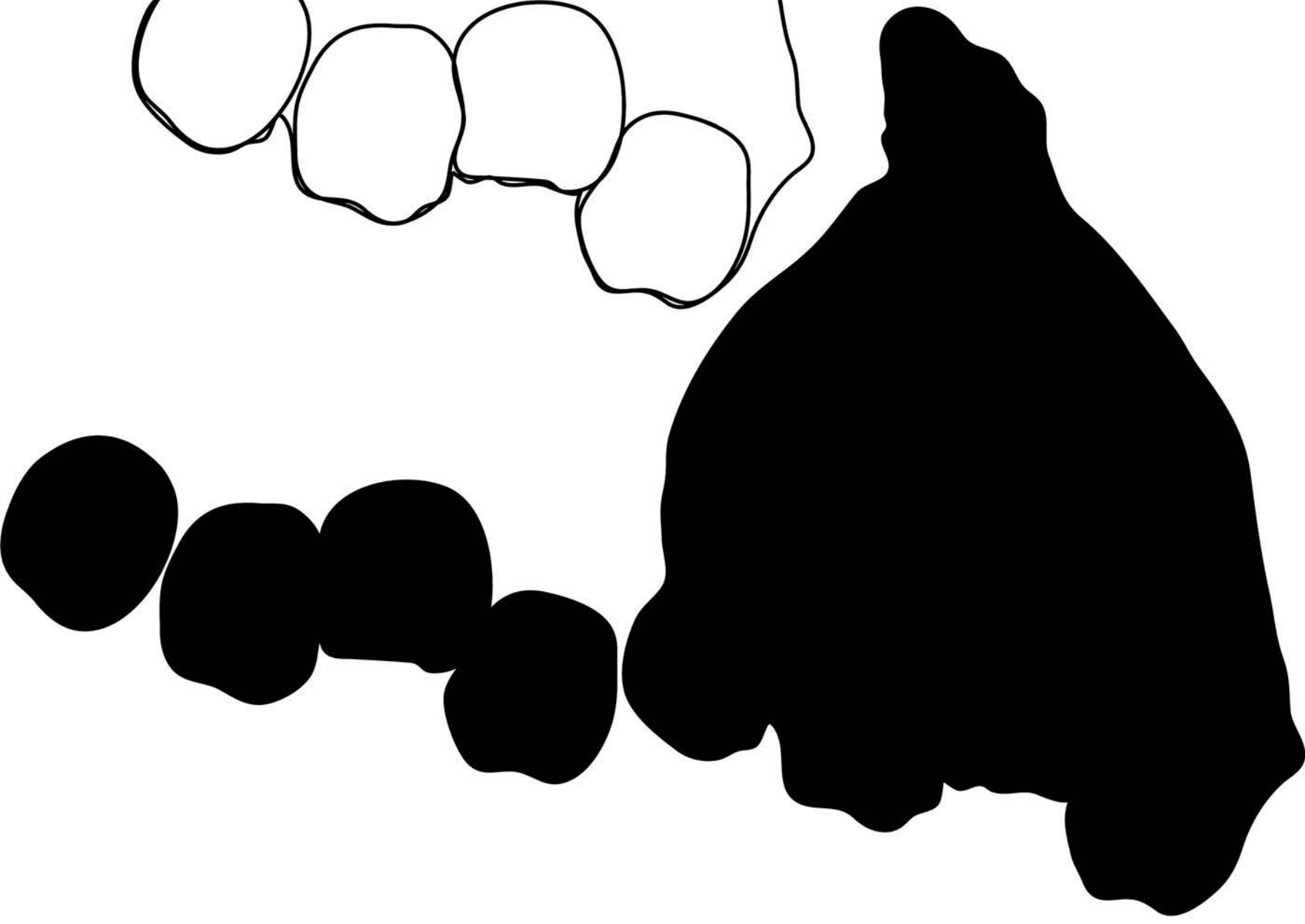
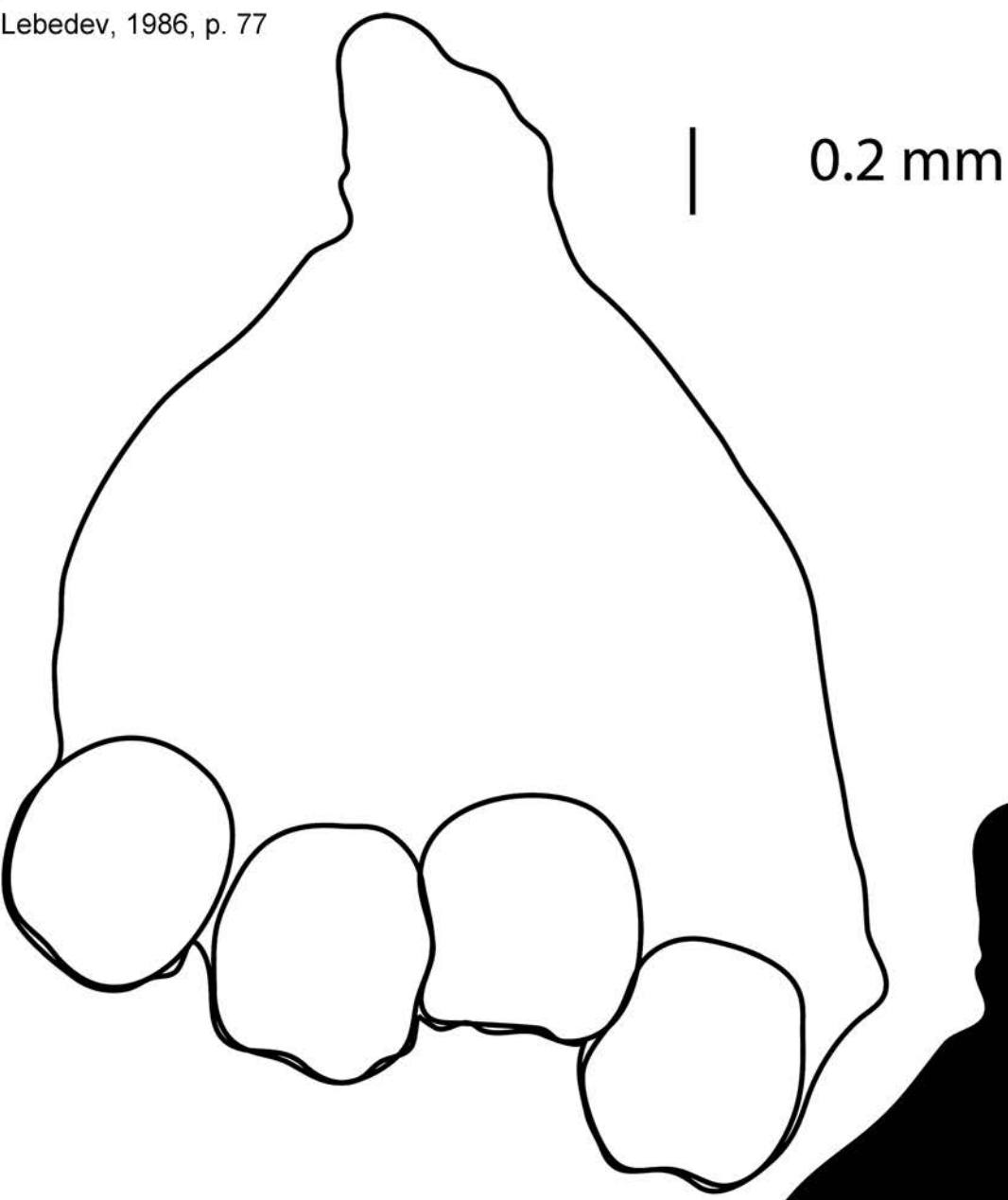


Family: Gastrocotylidae
Species: Pseudaxinoides caballeroi Lebedev, 1977
Body Surface: 2,096,832
Clamp Surface: 93,128
Ratio: 4.44
Reference: Lebedev, 1986, p. 57

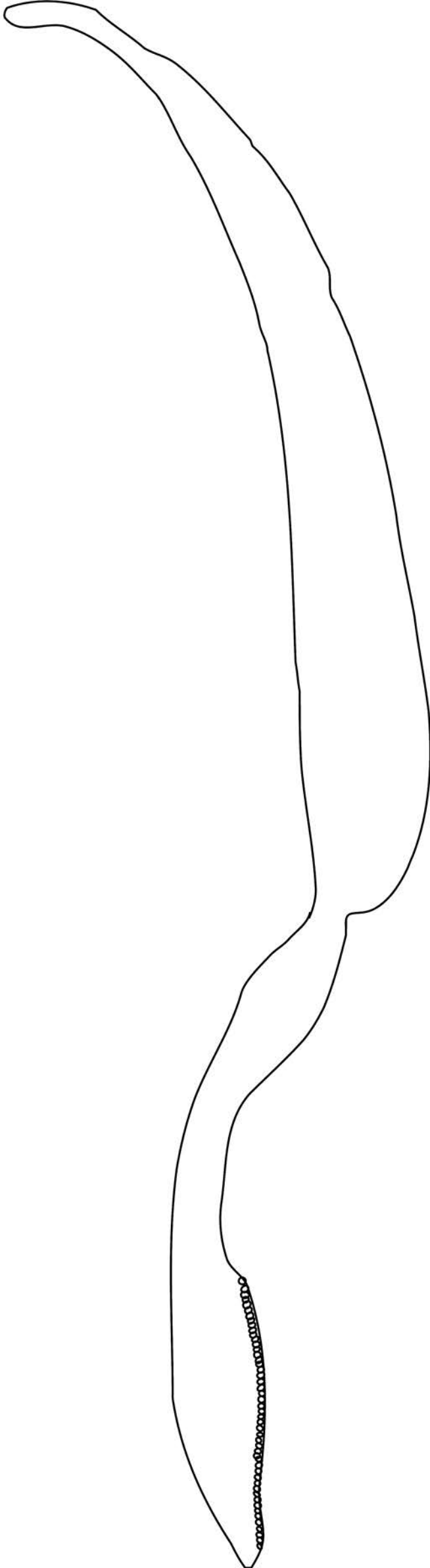
0.5 mm



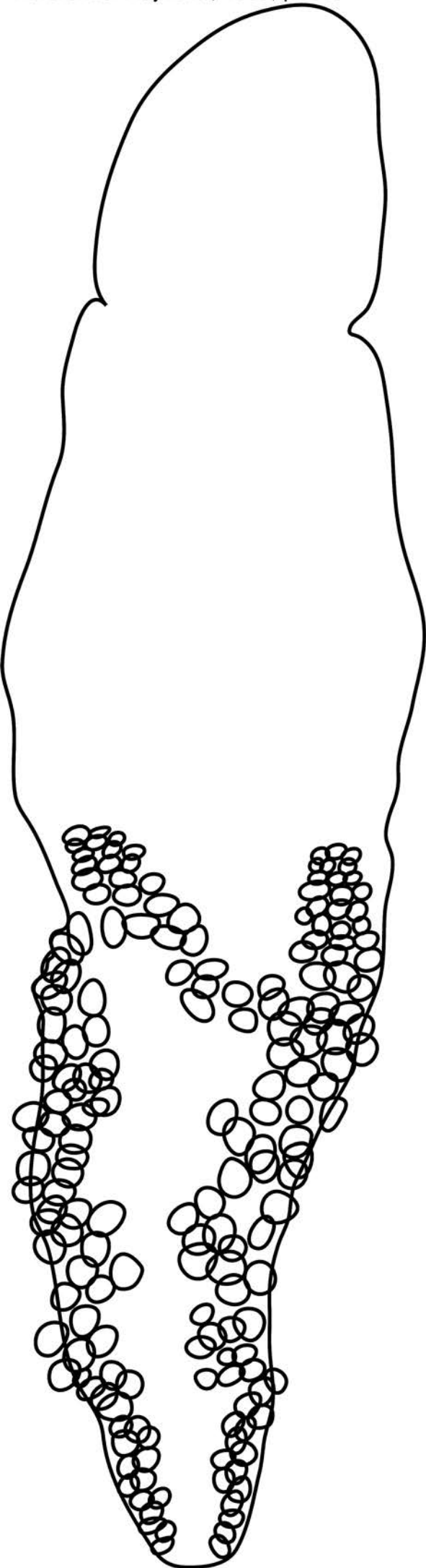
Family: Gastrocotylidae
Species: *Quadrivalvula asymmetrica* Ghichenok, 1980
Body surface: 3,430,344
Clamp surface: 994,784
Ratio: 29.00
Reference: Lebedev, 1986, p. 77



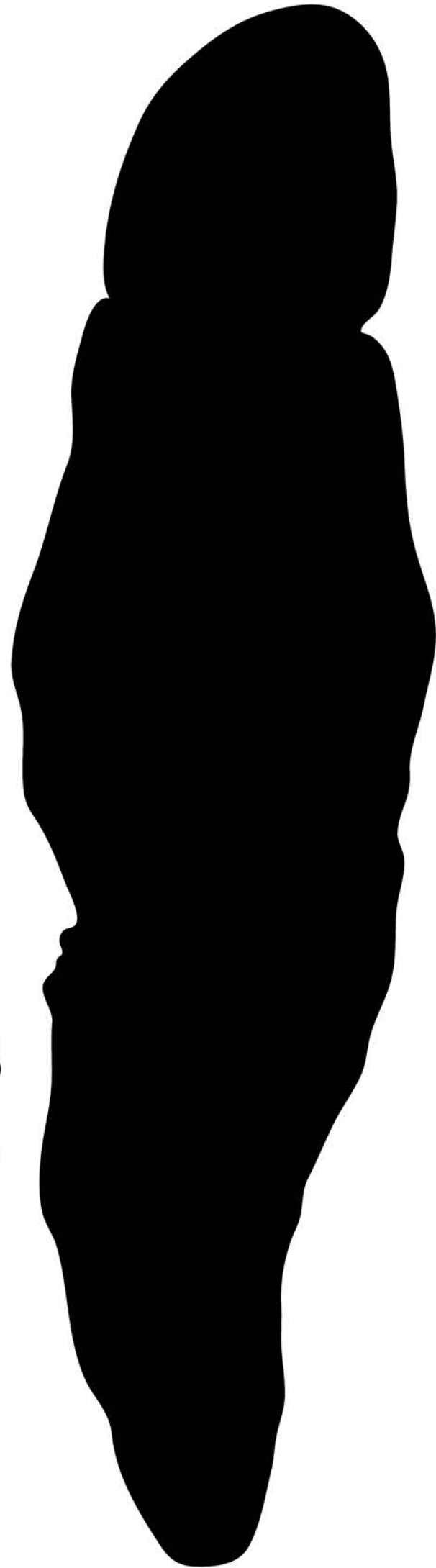
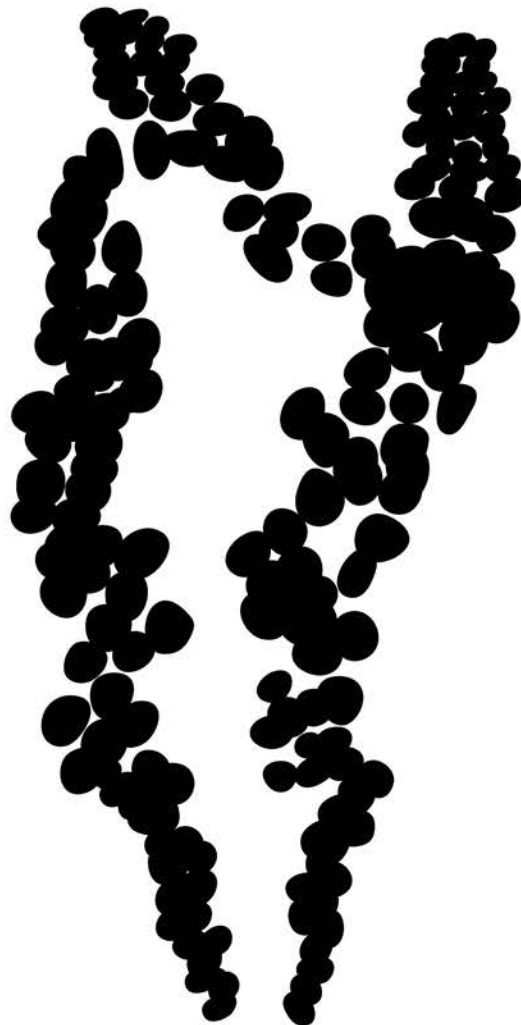
Family: Gastrocotylidae
Species: *Sibitrema poonui* Yamaguti, 1966
Body Surface: 15,402,407
Clamp Surface: 235,741
Ratio: 1.53
Reference: Yamaguti, 1966, p. 430



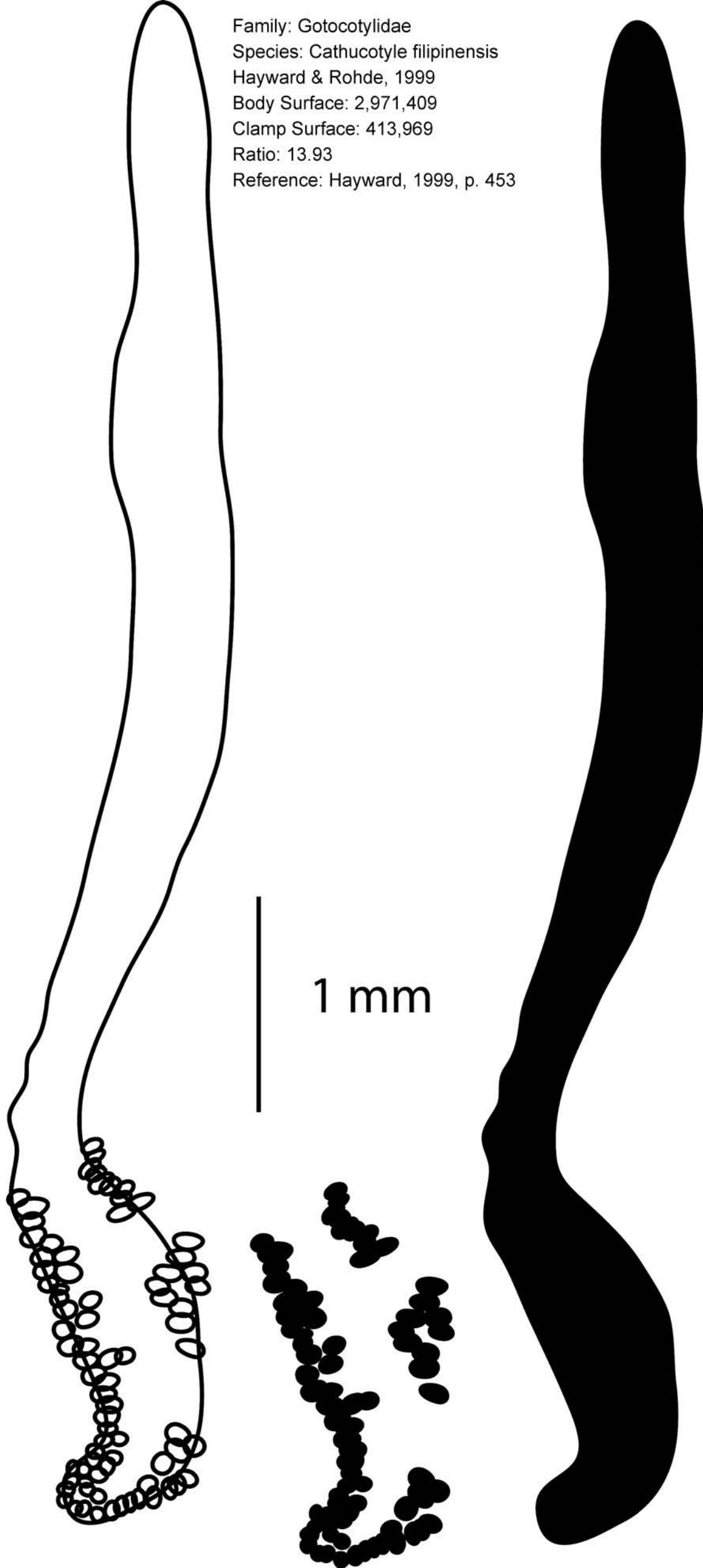
Family: Gotocotylidae
Species: *Cathucotyle cathuau* Lebedev, 1968
Body Surface: 1,303,159
Clamp Surface: 261,873
Ratio: 20.10
Reference: Hayward, 1999, p. 450



0.5 mm



Family: Gotocotylidae
Species: *Cathucotyle filipinensis*
Hayward & Rohde, 1999
Body Surface: 2,971,409
Clamp Surface: 413,969
Ratio: 13.93
Reference: Hayward, 1999, p. 453



Family: Gotocotylidae

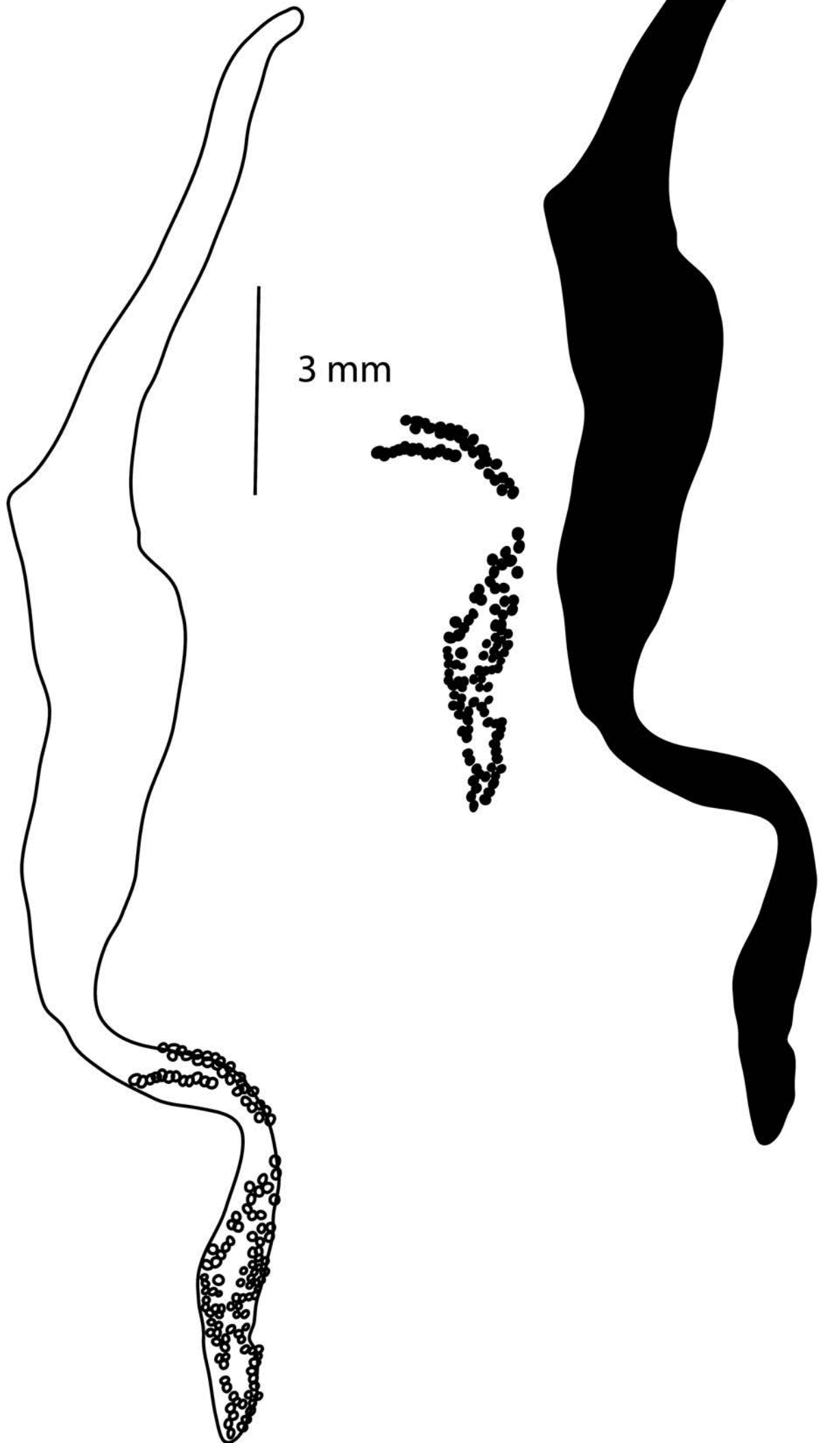
Species: *Cathucotyle sinensis* Hayward & Rohde, 1999

Body Surface: 22,961,031

Clamp Surface: 1,562,400

Ratio: 6.80

Reference: Hayward, 1999, p. 455



Family: Gotocotylidae

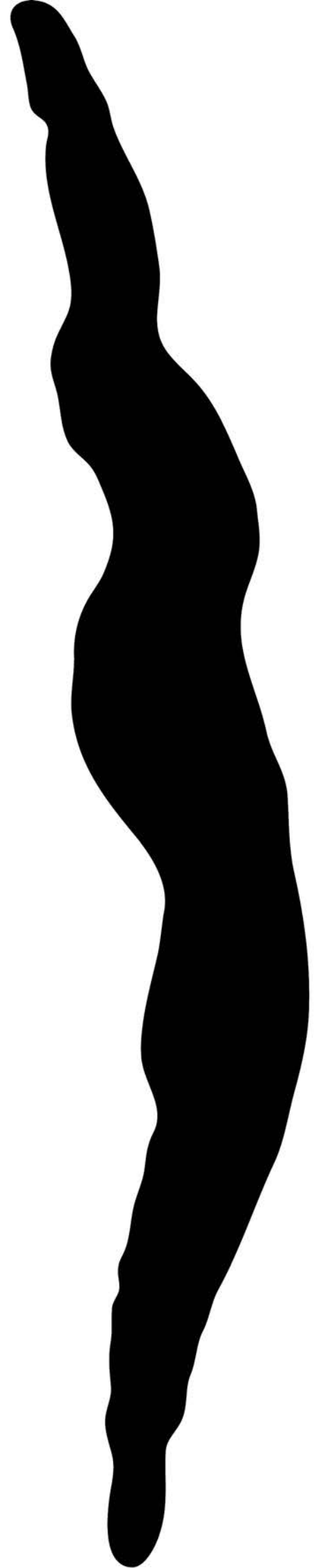
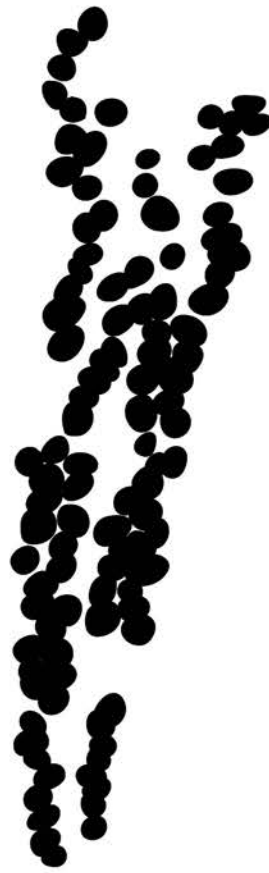
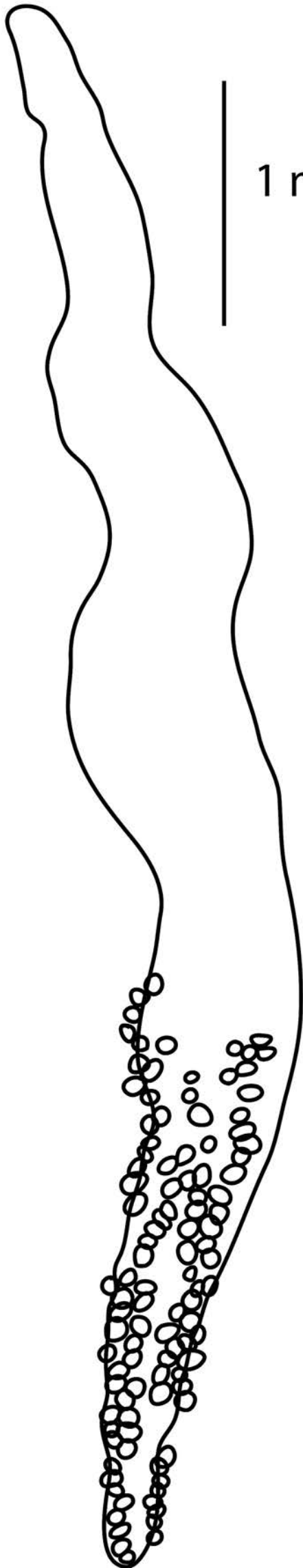
Species: *Gotocotyla acanthura* (Parona & Perugia, 1896) Meserve, 1938

Body Surface: 3,209,235

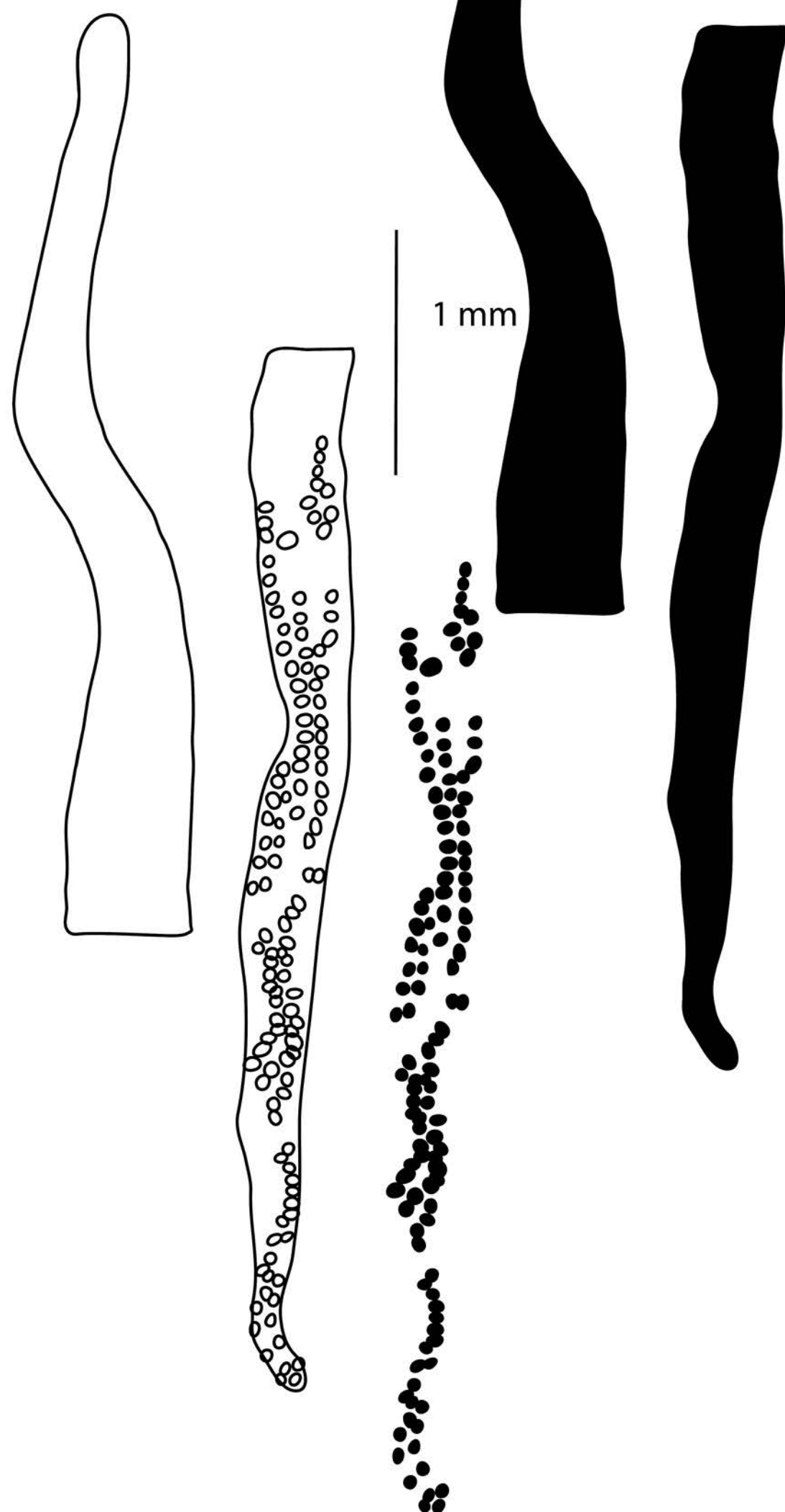
Clamp Surface: 466,446

Ratio: 14.53

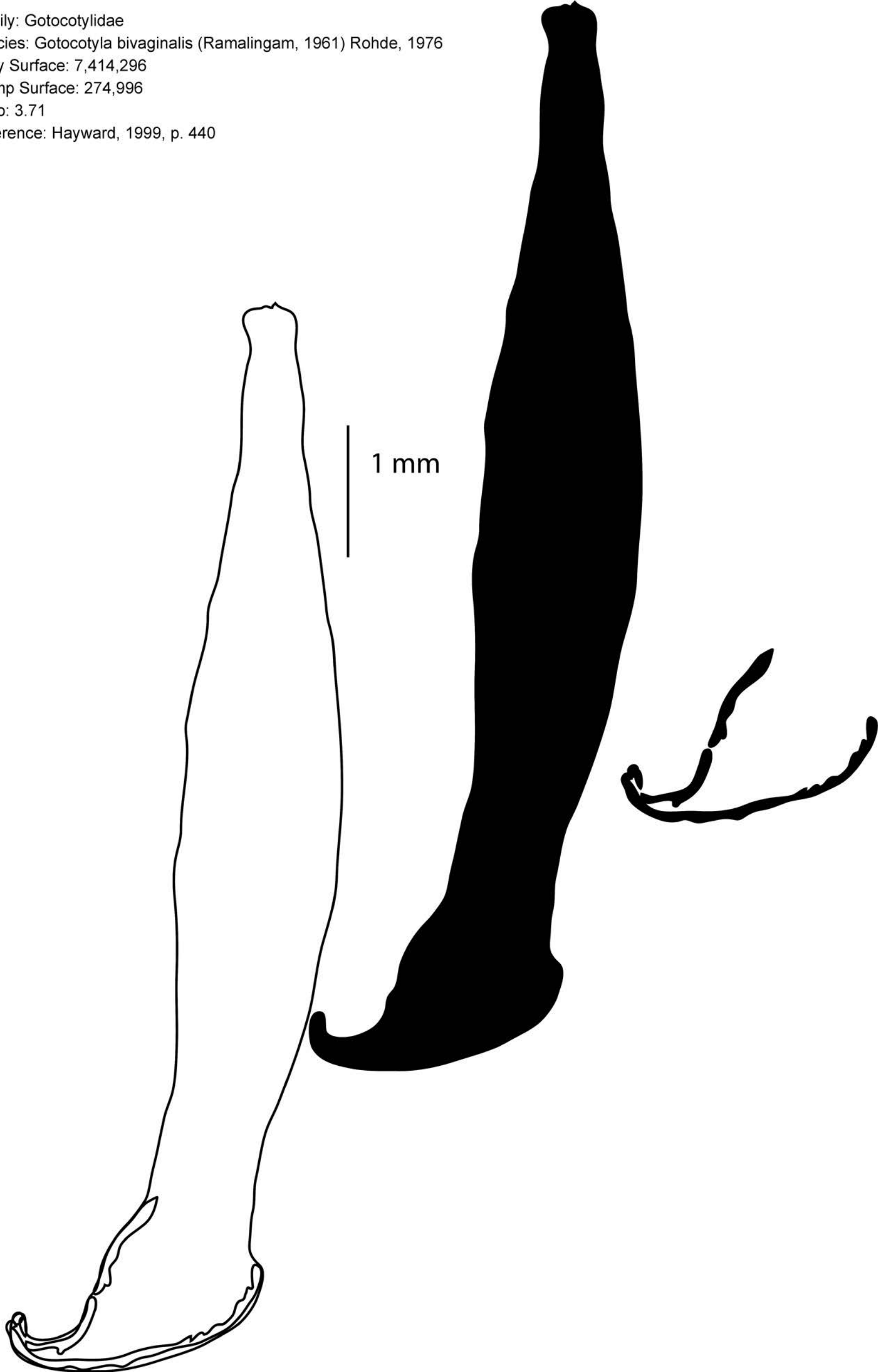
Reference: Hayward, 1999, p. 431



Family: Gotocotylidae
Species: Gotocotyloa africanensis Hayward & Rohde, 1999
Body Surface: 2,445,683
Clamp Surface: 250,315
Ratio: 10.23
Reference: Hayward, 1999, p. 438



Family: Gotocotylidae
Species: *Gotocotyloa bivaginalis* (Ramalingam, 1961) Rohde, 1976
Body Surface: 7,414,296
Clamp Surface: 274,996
Ratio: 3.71
Reference: Hayward, 1999, p. 440



Family: Gotocotylidae

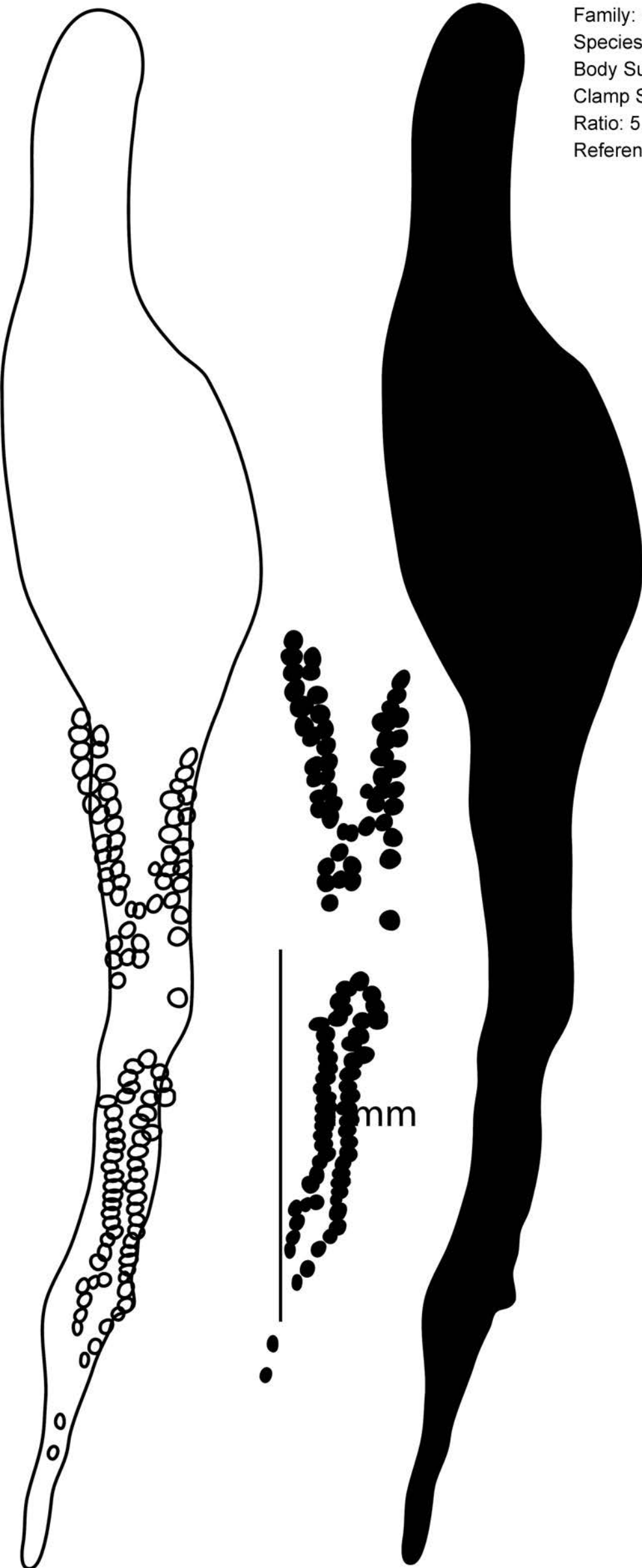
Species: *Gotocotyla heapae* Hayward & Rohde, 1999

Body Surface: 1,291,877

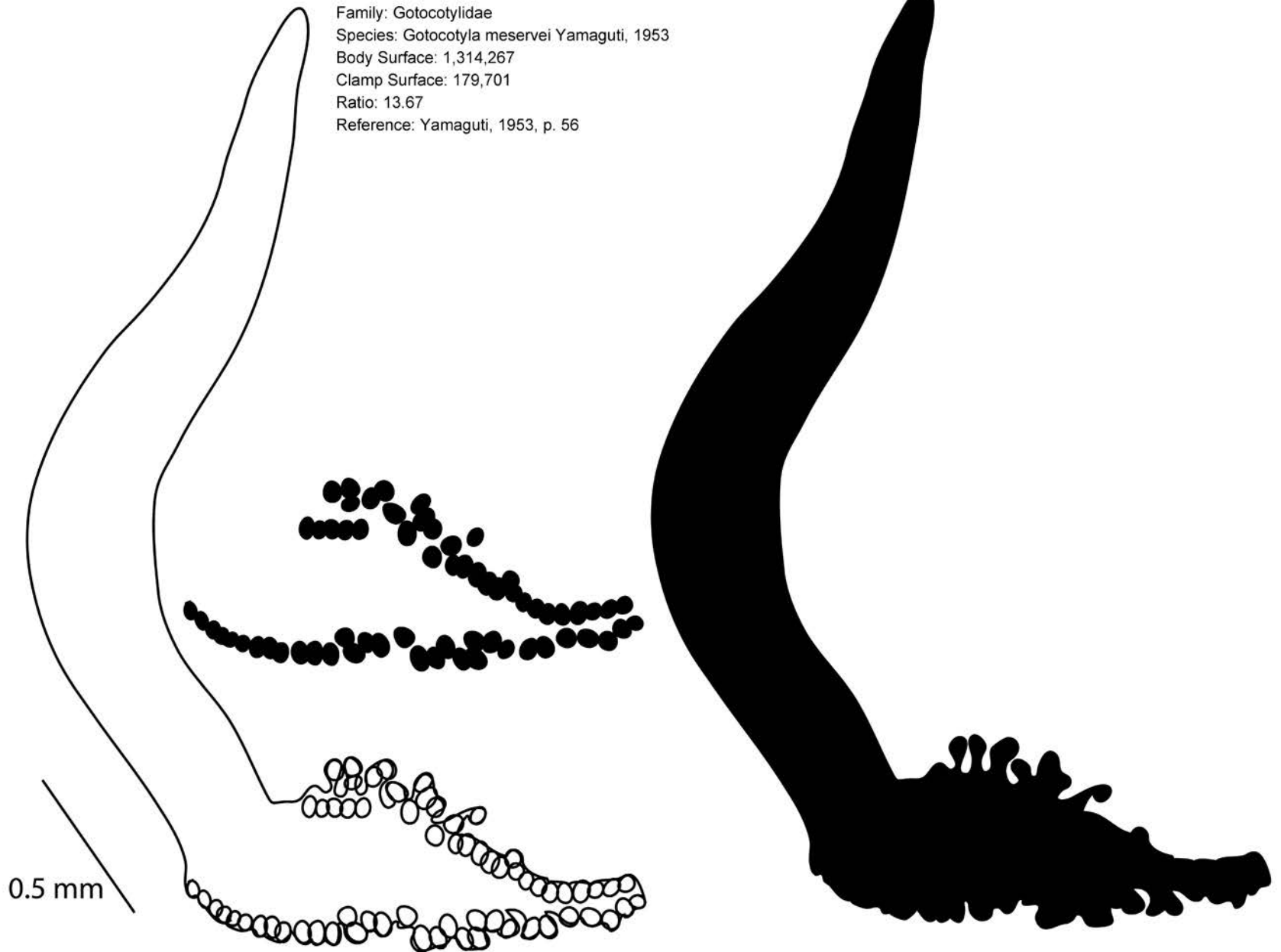
Clamp Surface: 69,182

Ratio: 5.36

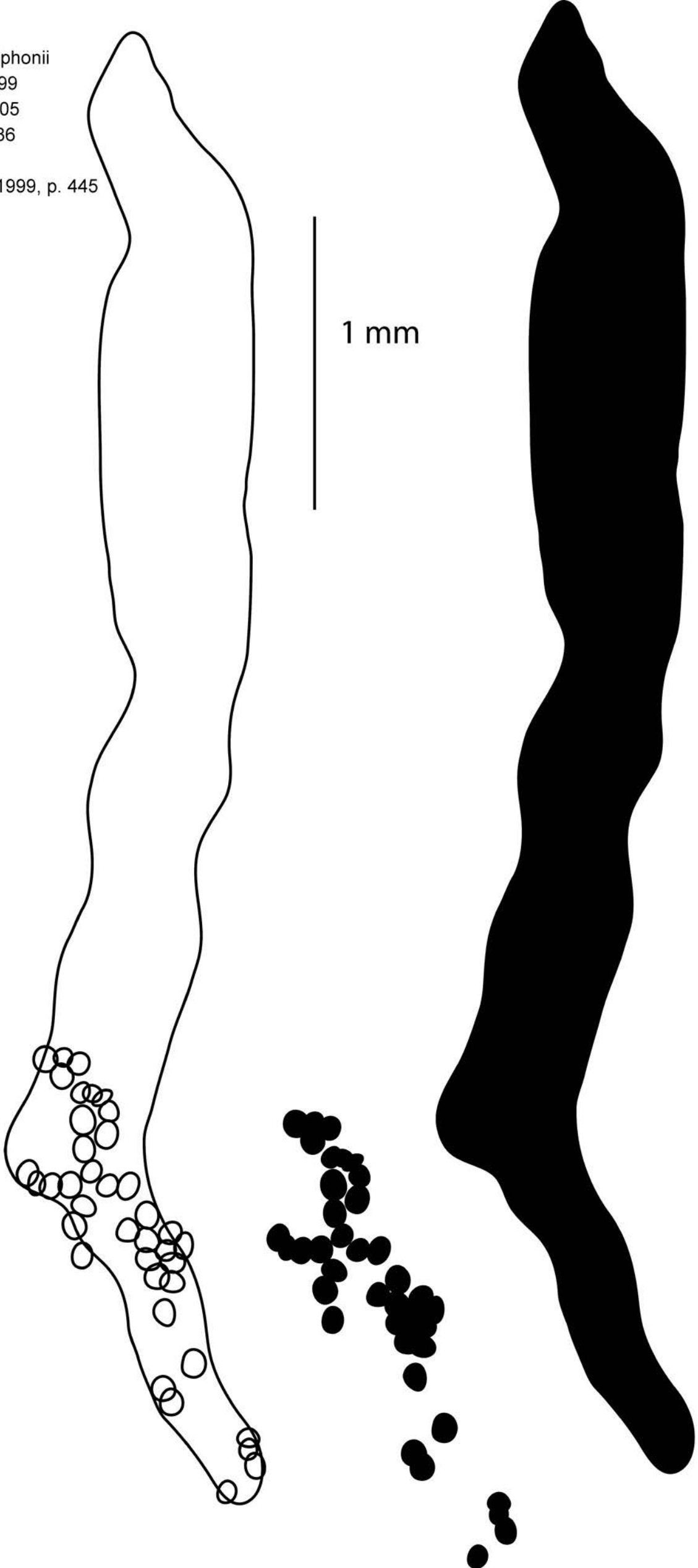
Reference: Hayward, 1999, p. 443



Family: Gotocotylidae
Species: *Gotocotyla meservei* Yamaguti, 1953
Body Surface: 1,314,267
Clamp Surface: 179,701
Ratio: 13.67
Reference: Yamaguti, 1953, p. 56



Family: Gotocotylidae
Species: *Gotocotyla niphonii*
Hayward & Rohde, 1999
Body Surface: 1,932,305
Clamp Surface: 171,386
Ratio: 8.87
Reference: Hayward, 1999, p. 445



Family: Gotocotylidae

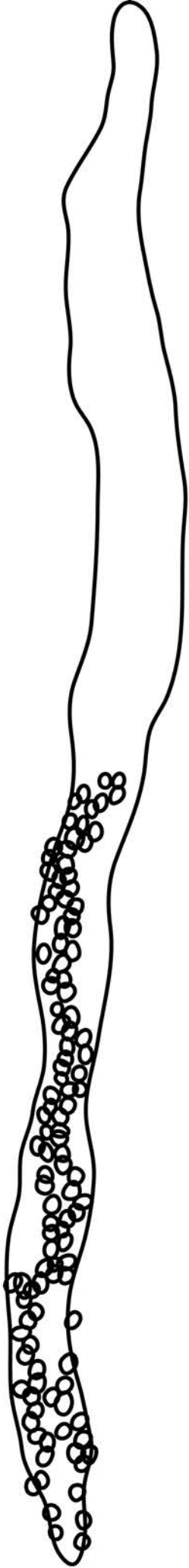
Species: *Gotocotyloa queenslandici* Hayward & Rohde, 1999

Body Surface: 1,321,566

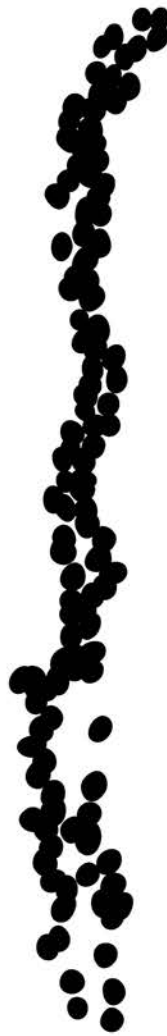
Clamp Surface: 258,123

Ratio: 19.53

Reference: Hayward, 1999, p. 447



1 mm



Family: Gotocotyliidae

Species: *Neogotocotyla rohdii* Hadi & Bilqees, 2010

Body Surface: 2,991,506

Clamp Surface: 347,296

Ratio: 11.61

Reference: Hadi, 2010, p. 22

1 mm



Family: Neothoracocotoylidae

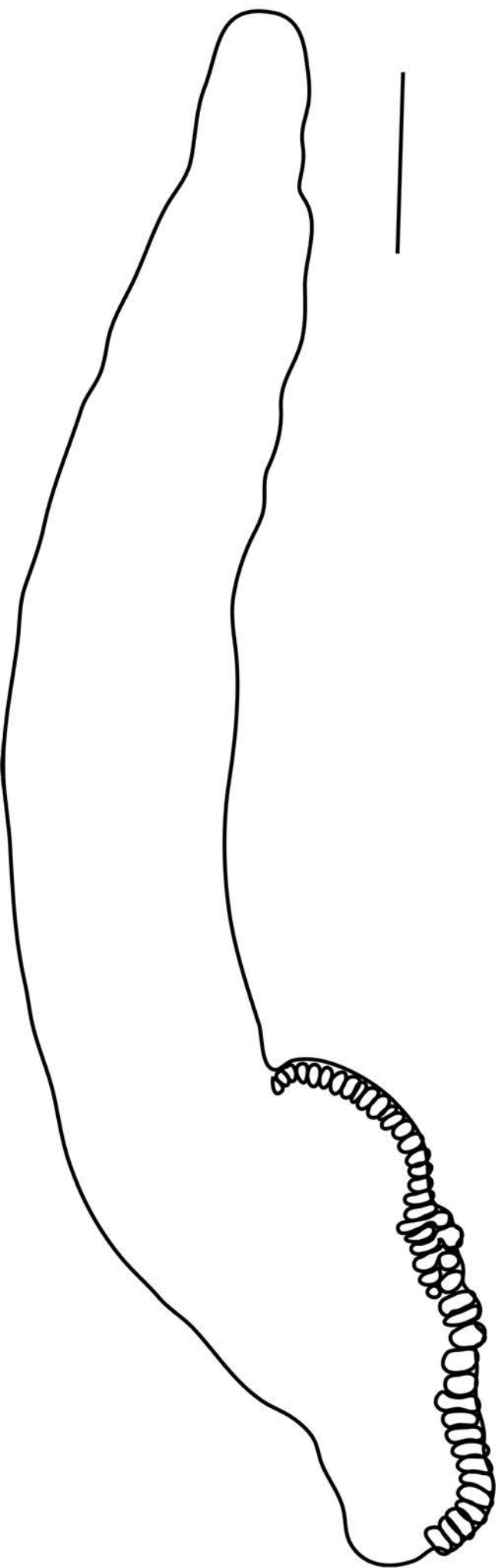
Species: *Mexicotyle mexicana* (Meserve, 1938) Lebedev, 1984

Body Surface: 2,566,693

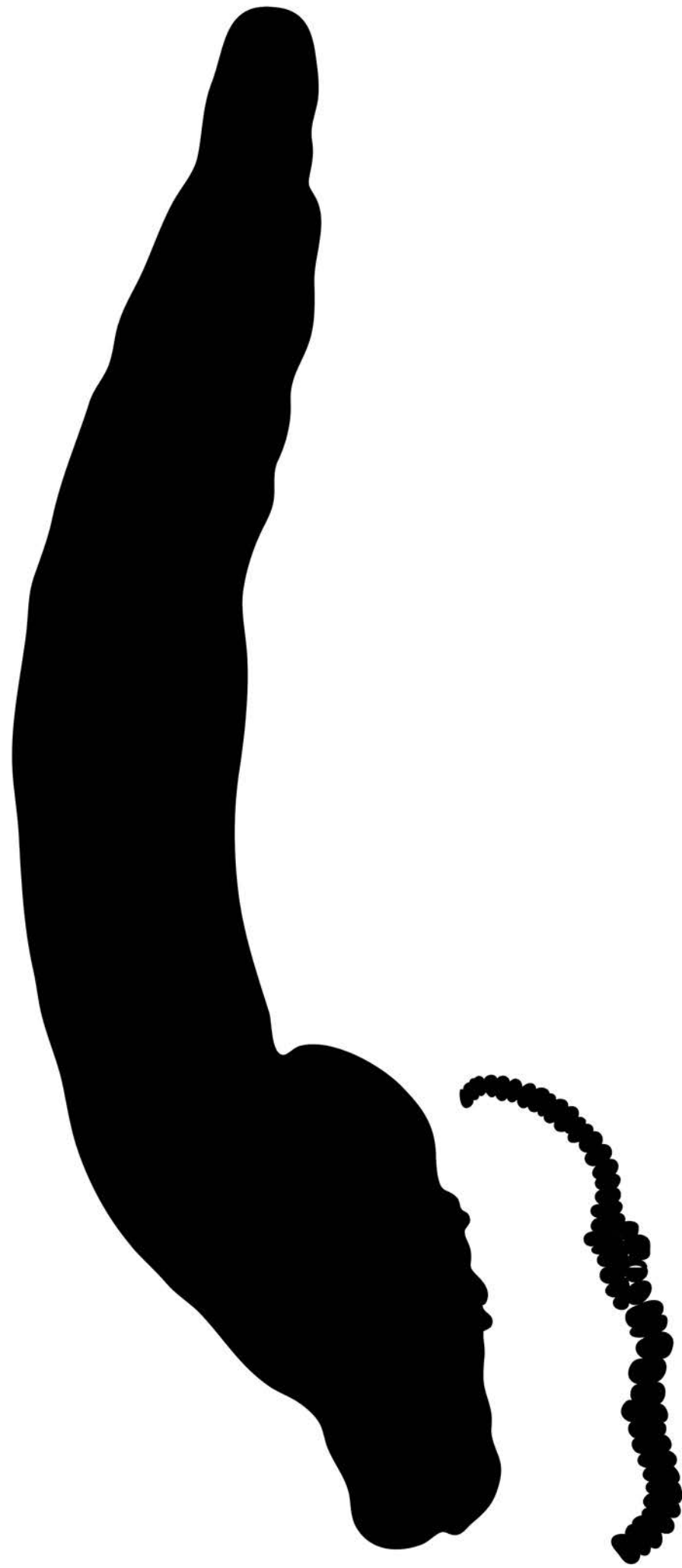
Clamp Surface: 133,237

Ratio: 5.19

Reference: Lebedev, 1986, p. 90



0.5 mm



Family: Neothoracocotylidae

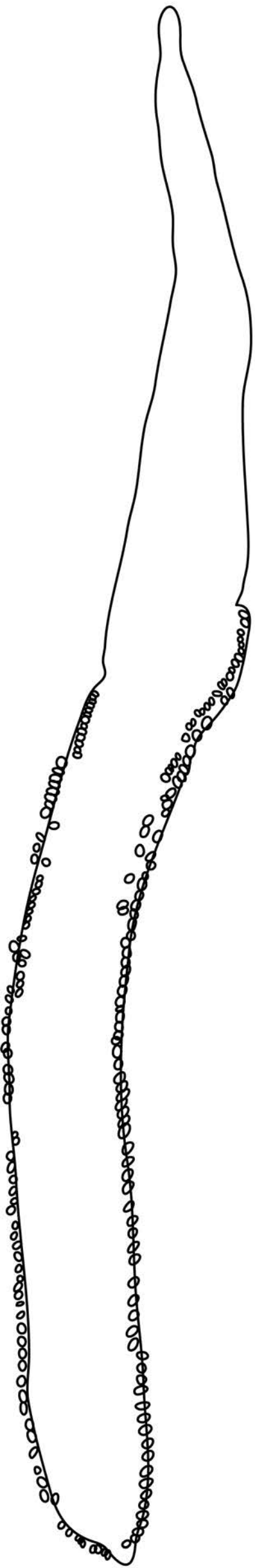
Species: *Neothoracocotyle acanthocybii* (Meserve, 1938) Hargis, 1956

Body Surface: 126,796

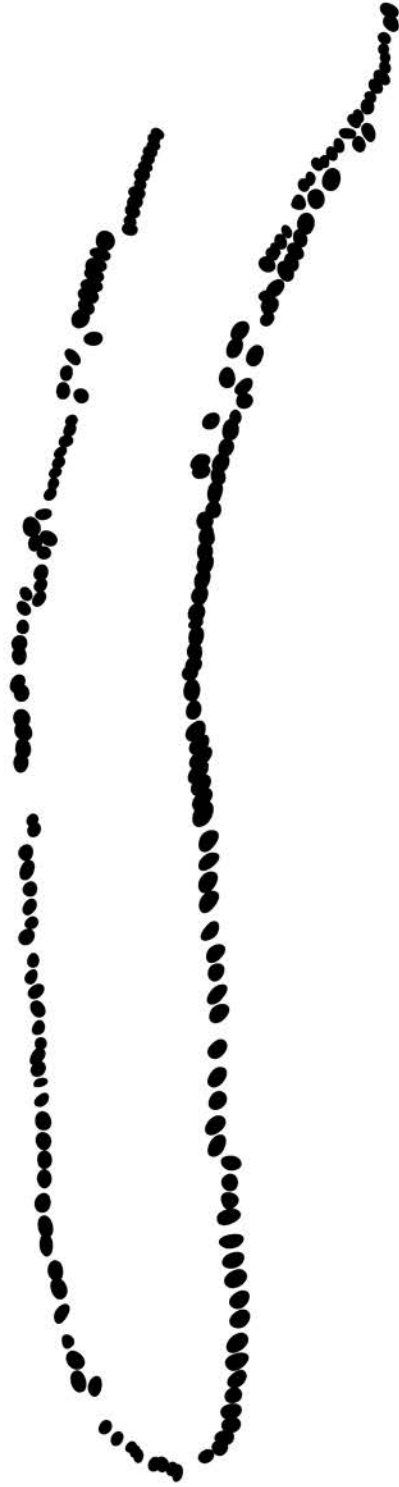
Clamp Surface: 12,940

Ratio: 10.21

Reference: Lebedev, 1986, p. 88



14 mm



Family: Neothoracocotylidae

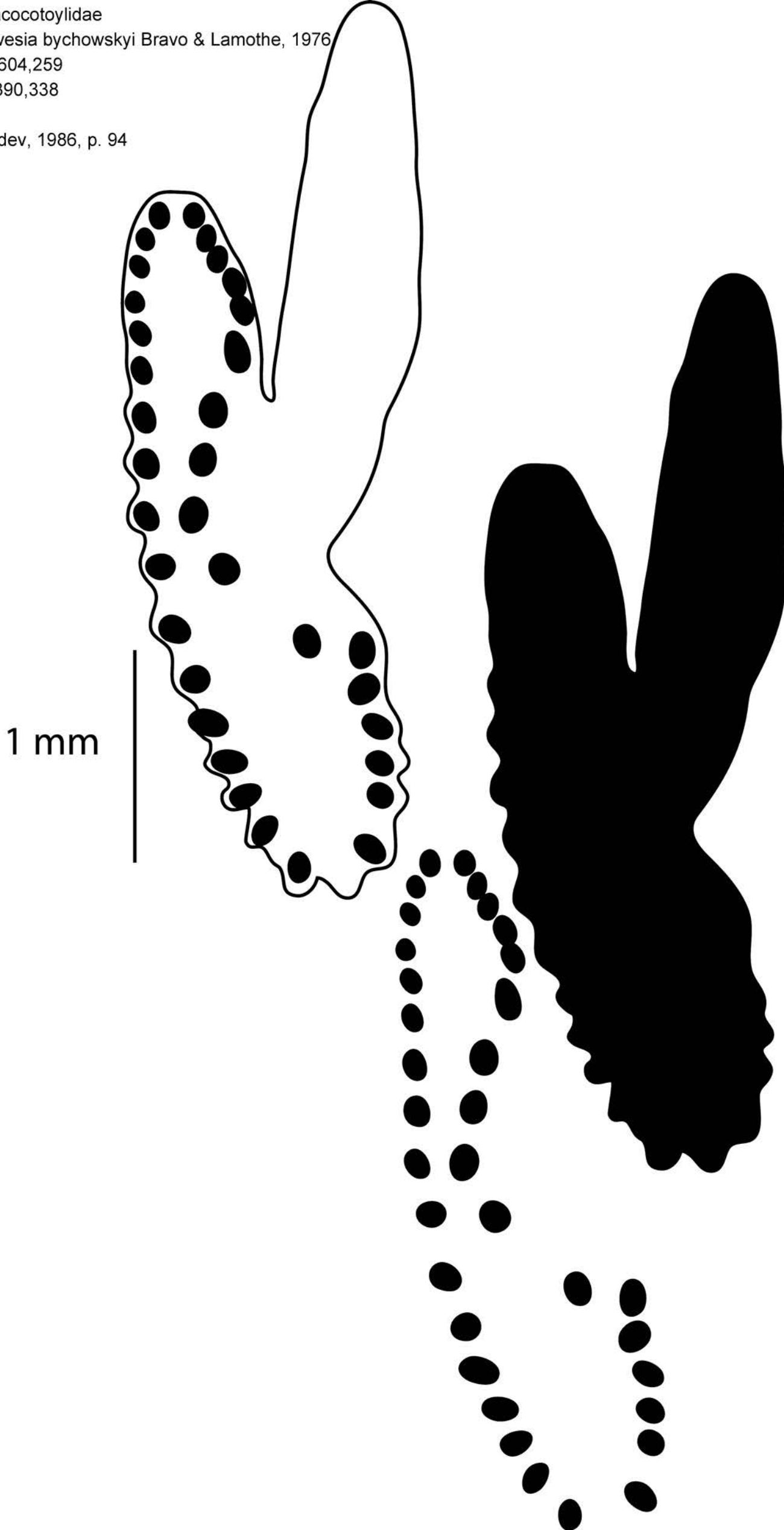
Species: *Paradawesia bychowskyi* Bravo & Lamothe, 1976

Body Surface: 3,604,259

Clamp Surface: 390,338

Ratio: 10.83

Reference: Lebedev, 1986, p. 94



Family: Neothoracocotylidae

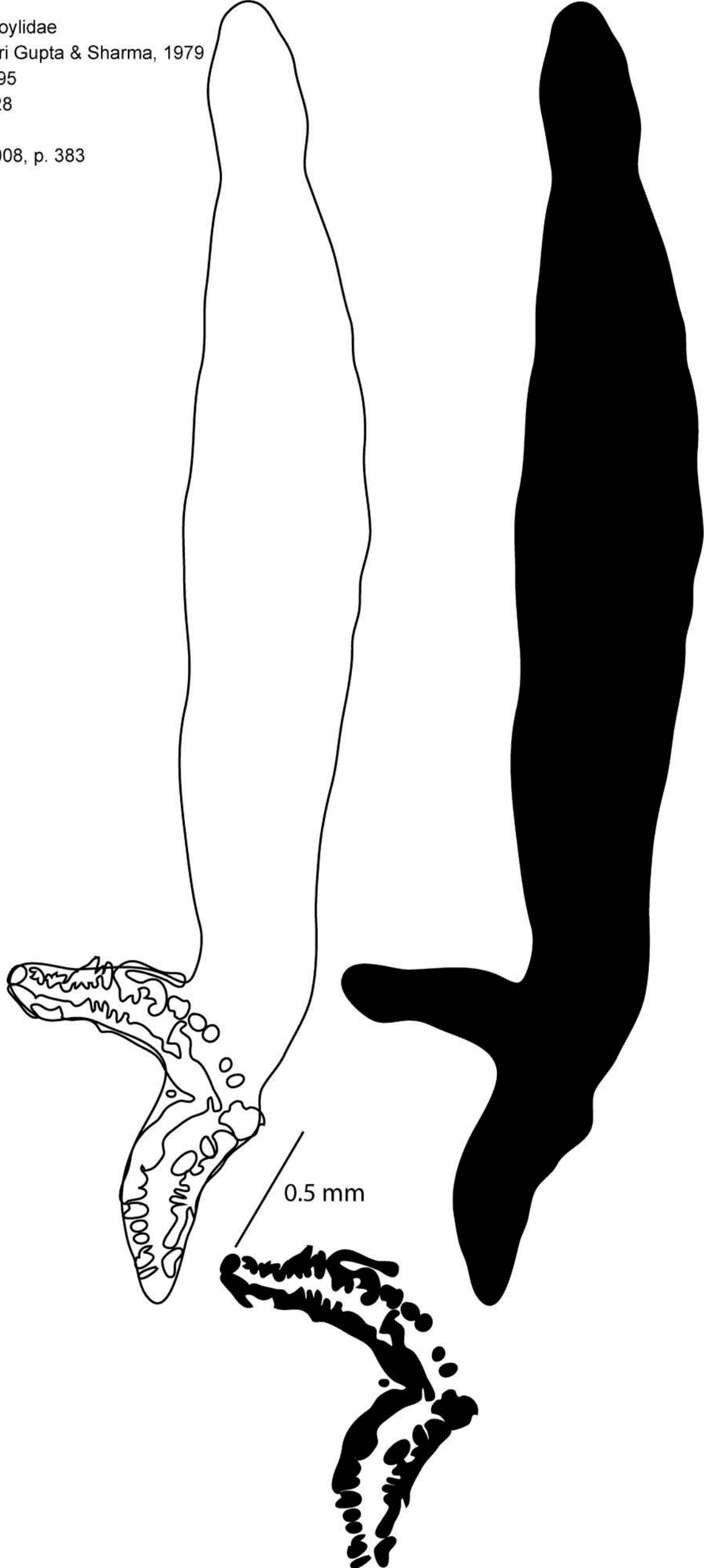
Species: *Pricea fotedari* Gupta & Sharma, 1979

Body Surface: 2,219,395

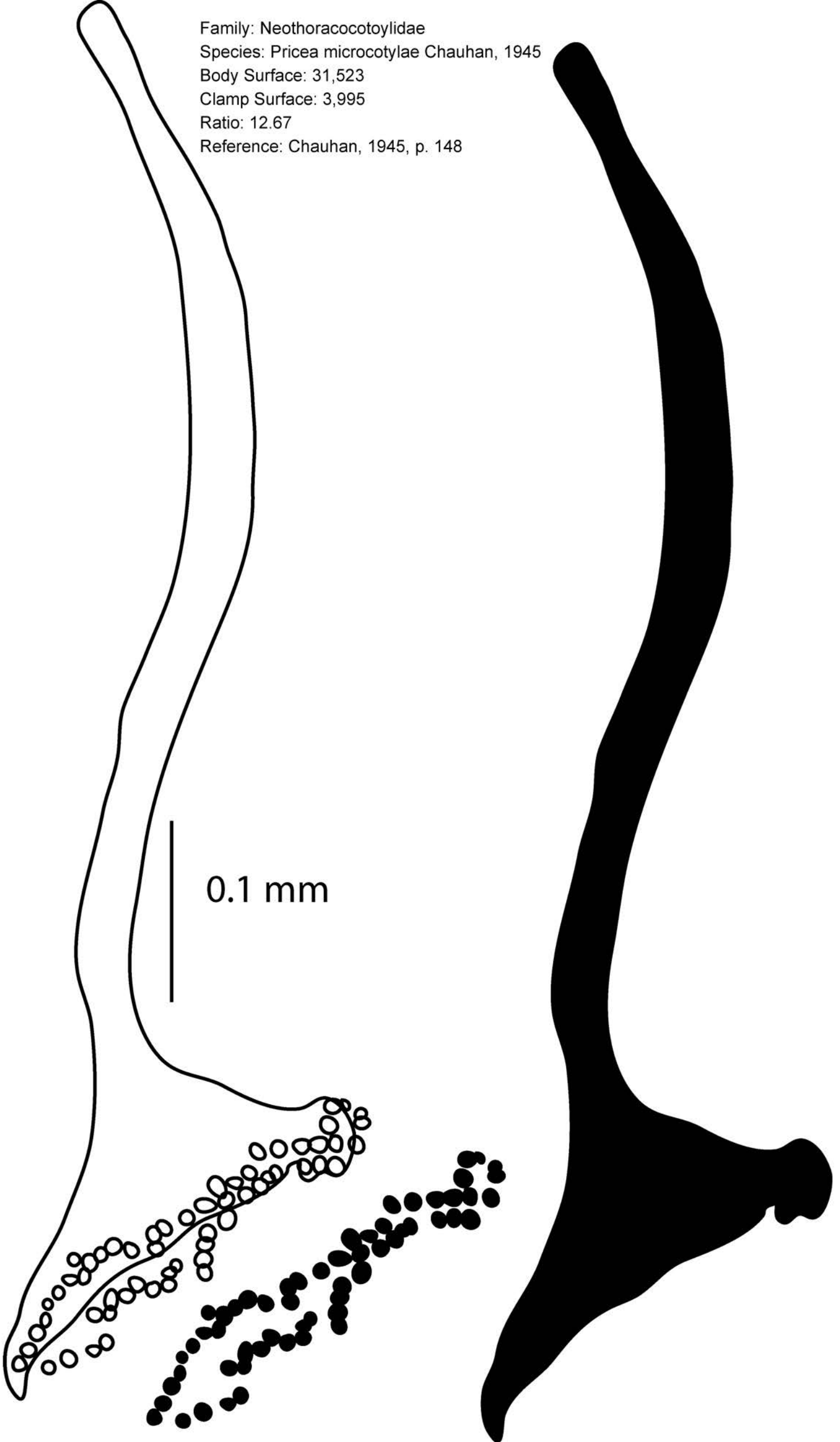
Clamp Surface: 250,628

Ratio: 11.29

Reference: Pandey, 2008, p. 383

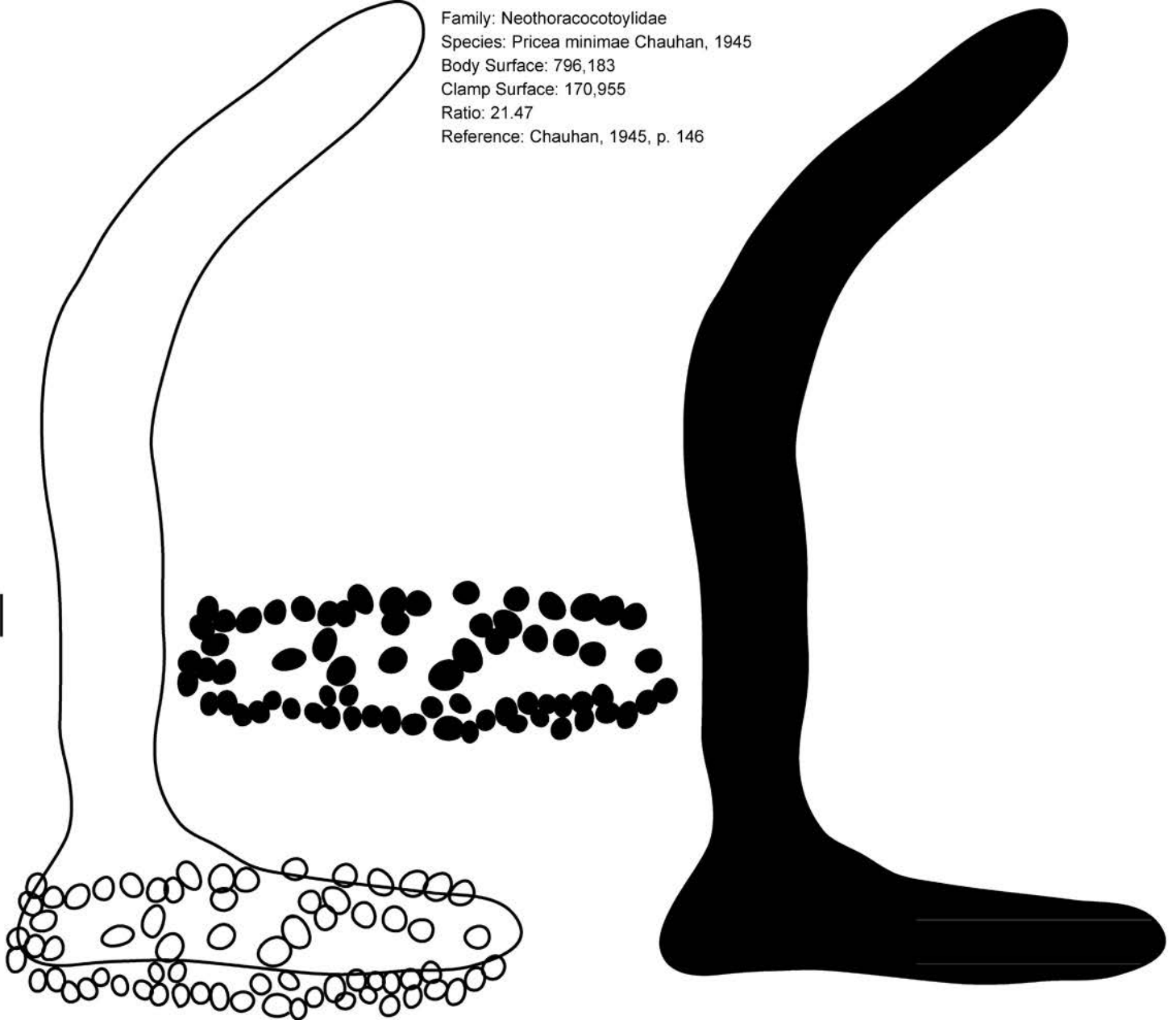


Family: Neothoracocotylidae
Species: *Picea microcotylae* Chauhan, 1945
Body Surface: 31,523
Clamp Surface: 3,995
Ratio: 12.67
Reference: Chauhan, 1945, p. 148



Family: Neothoracocotylidae
Species: *Pricea minima* Chauhan, 1945
Body Surface: 796,183
Clamp Surface: 170,955
Ratio: 21.47
Reference: Chauhan, 1945, p. 146

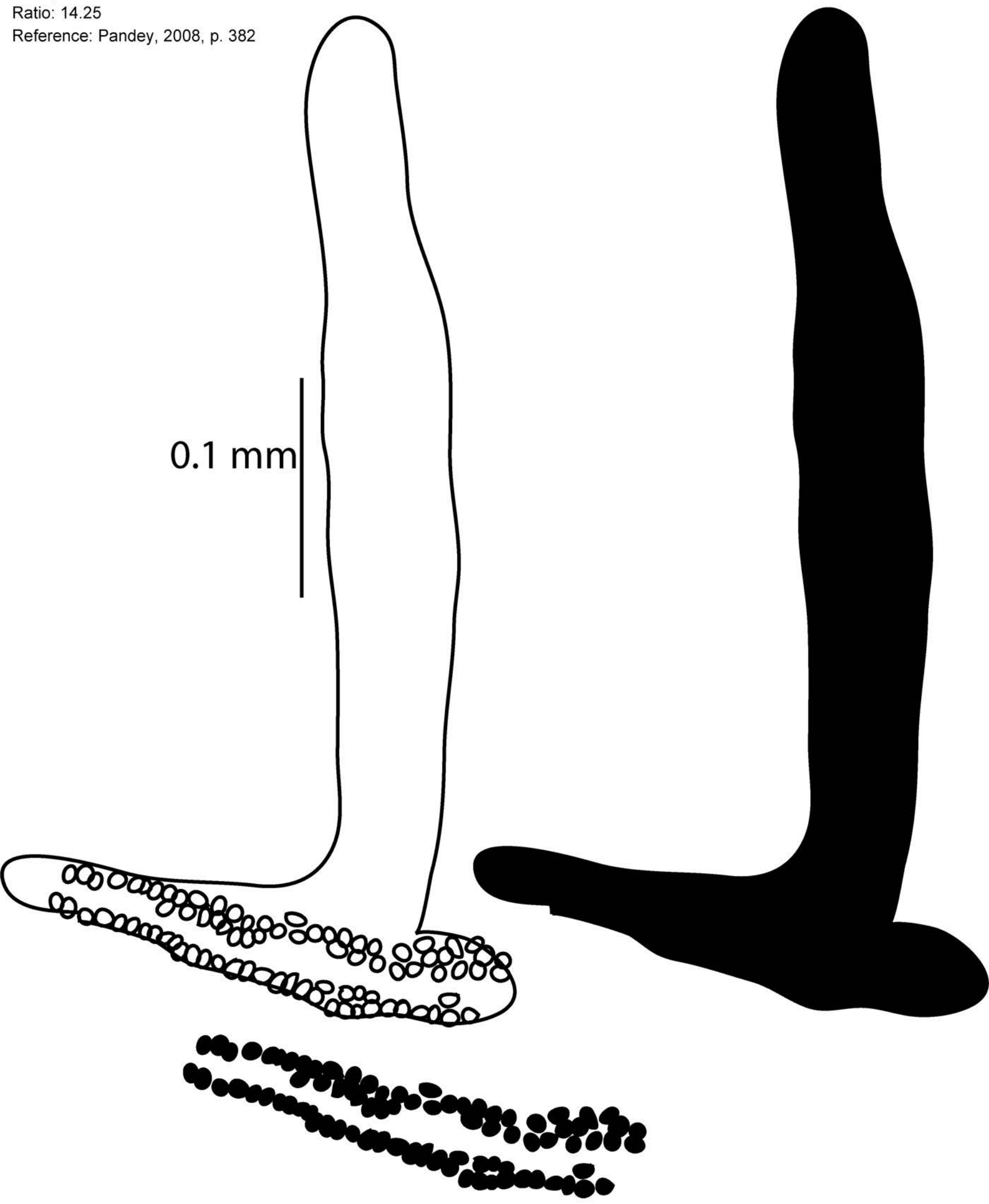
0.1 mm |



Family: Neothoracocotylidae
Species: Pricea multae Chauhan, 1945
Body Surface: 3,561,945
clamp Surface: 371,996
Ratio: 10.44
Reference: Rohde, 1999, p. 173



Family: Neothoracocotoylidae
Species: Pricea solandri Gupta & Channa, 1977
Body Surface: 29,180
Clamp Surface: 4,158
Ratio: 14.25
Reference: Pandey, 2008, p. 382



Family: Neothoracocotylidae

Species: *Pseudothoracocotyla ovalis*

(Tripathi, 1956) Yamaguti, 1963

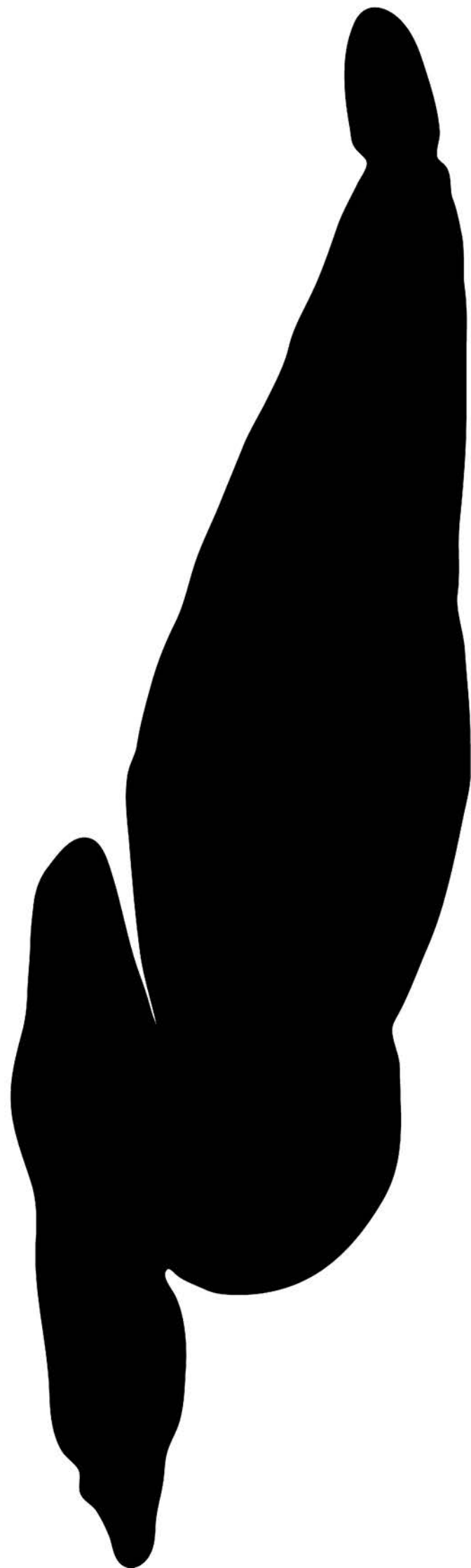
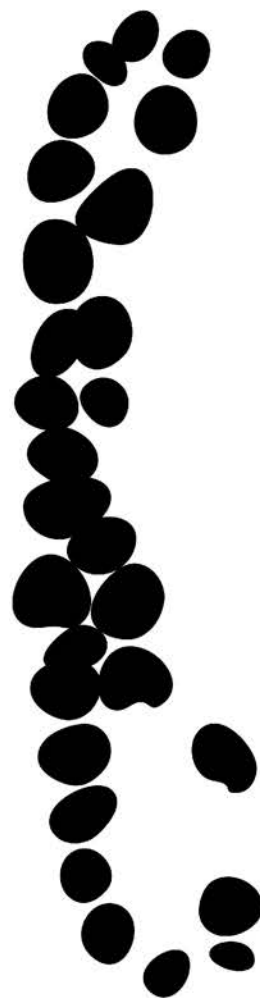
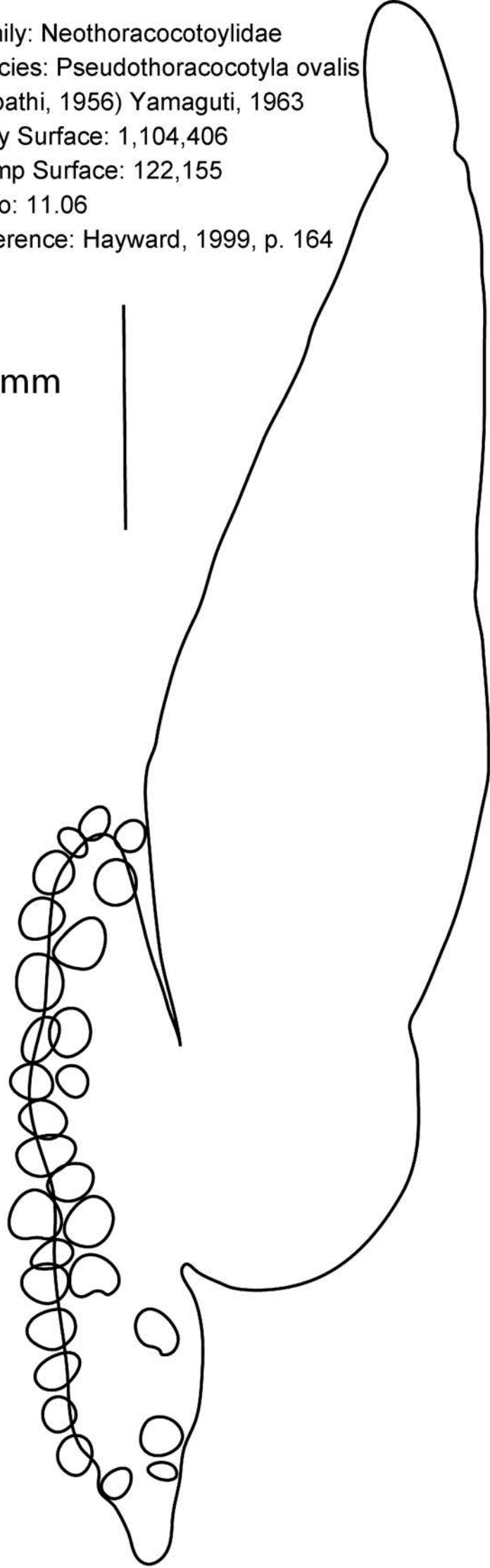
Body Surface: 1,104,406

Clamp Surface: 122,155

Ratio: 11.06

Reference: Hayward, 1999, p. 164

0.4 mm



Family: Neothoracocotylidae

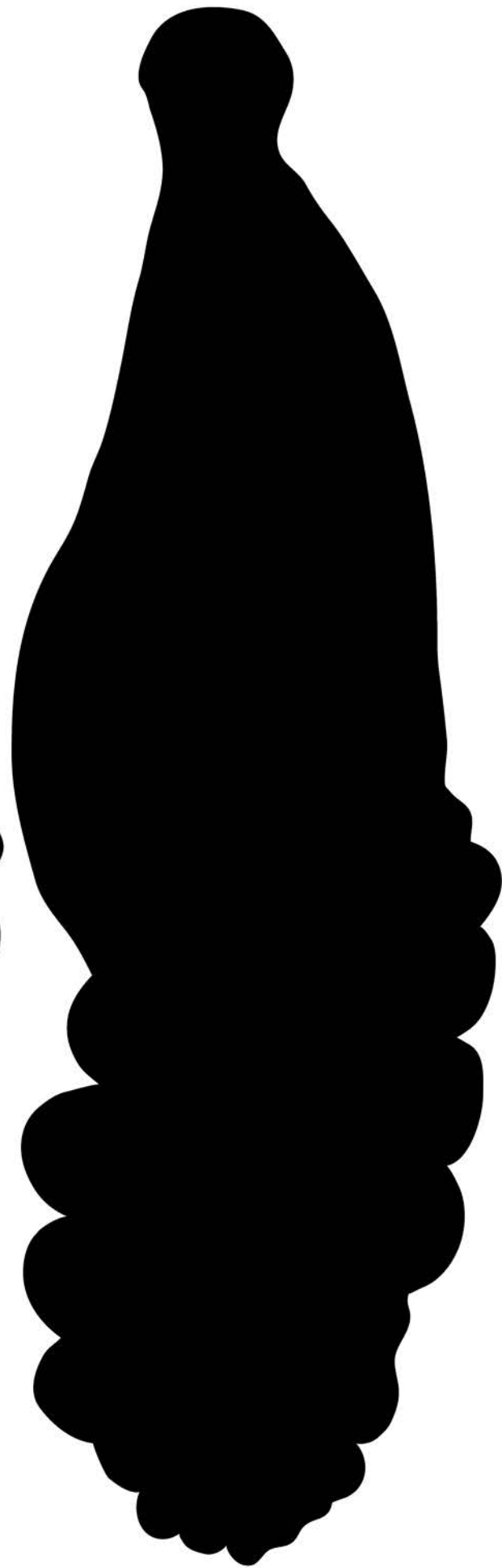
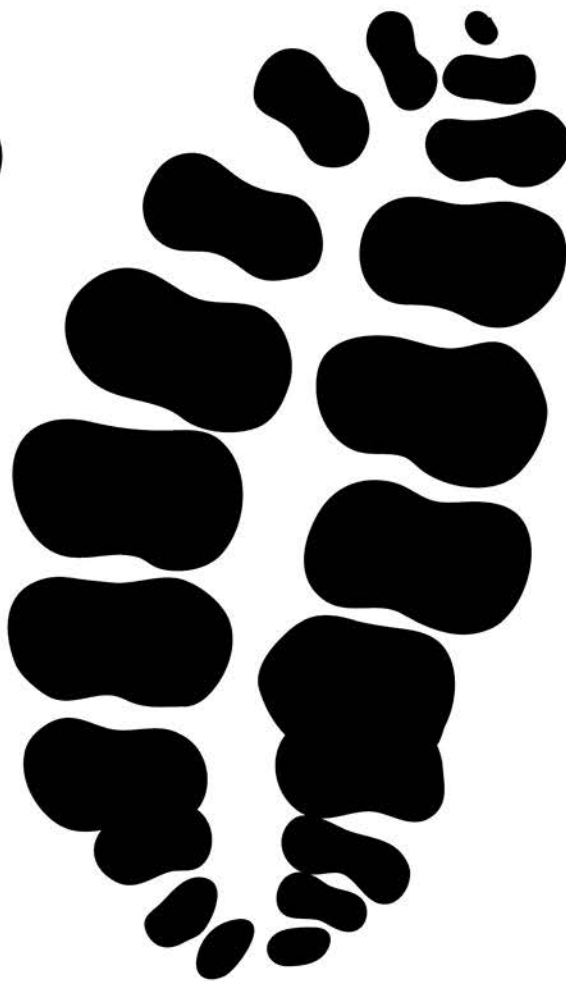
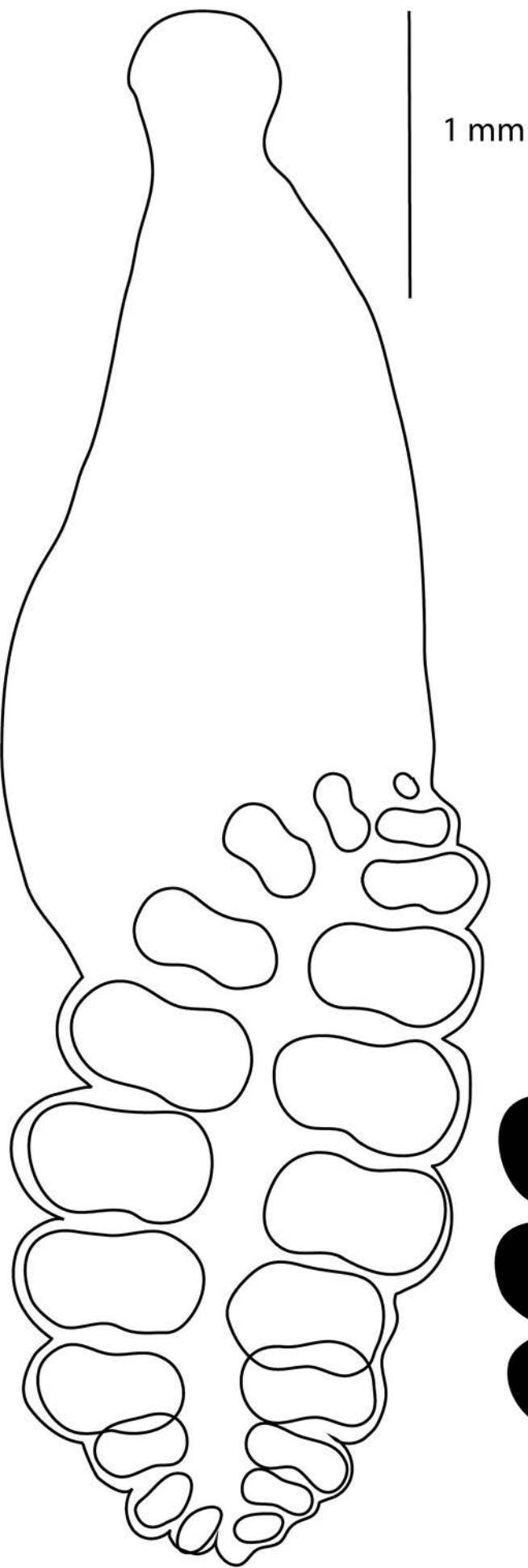
Species: *Pseudothoracocotyla whittingtoni* Hayward & Rohde, 1999

Body Surface: 6,151,442

Clamp Surface: 2,086,478

Ratio: 33.92

Reference: Hayward, 1999, p. 167



Family: Neothoracocotoylidae

Species: *Scomberocotyle scomberomori* (Koratha, 1955) Hargis, 1956

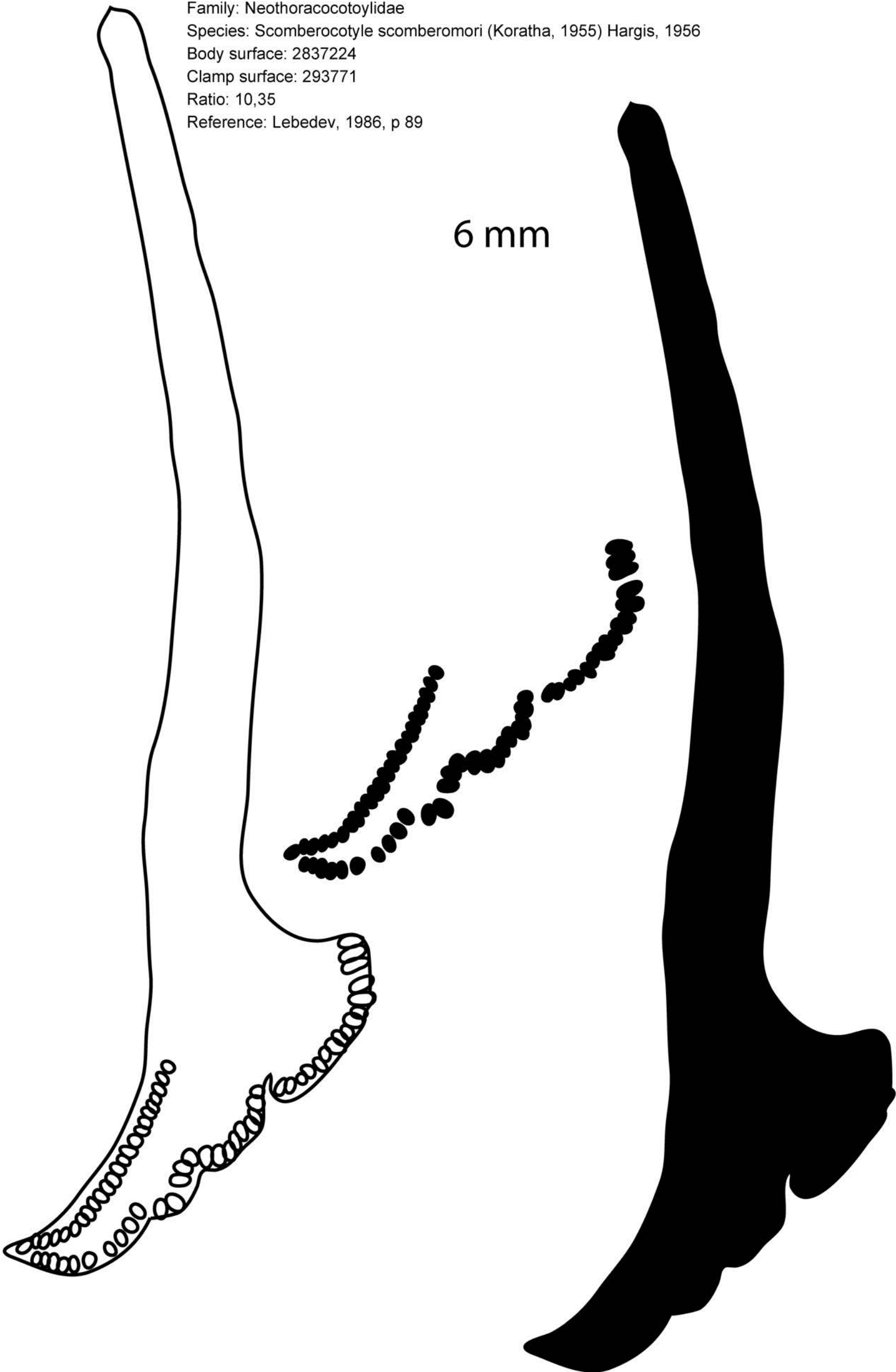
Body surface: 2837224

Clamp surface: 293771

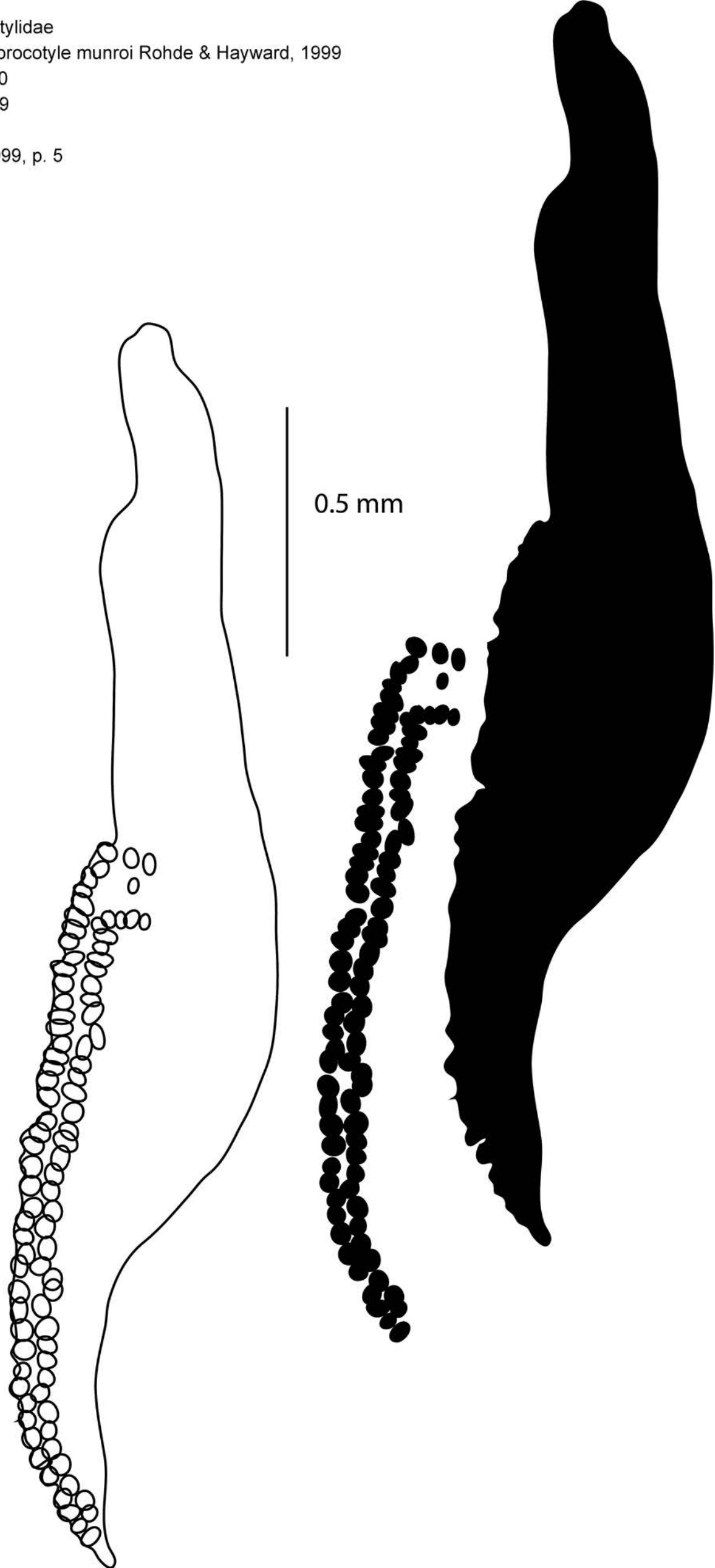
Ratio: 10,35

Reference: Lebedev, 1986, p 89

6 mm

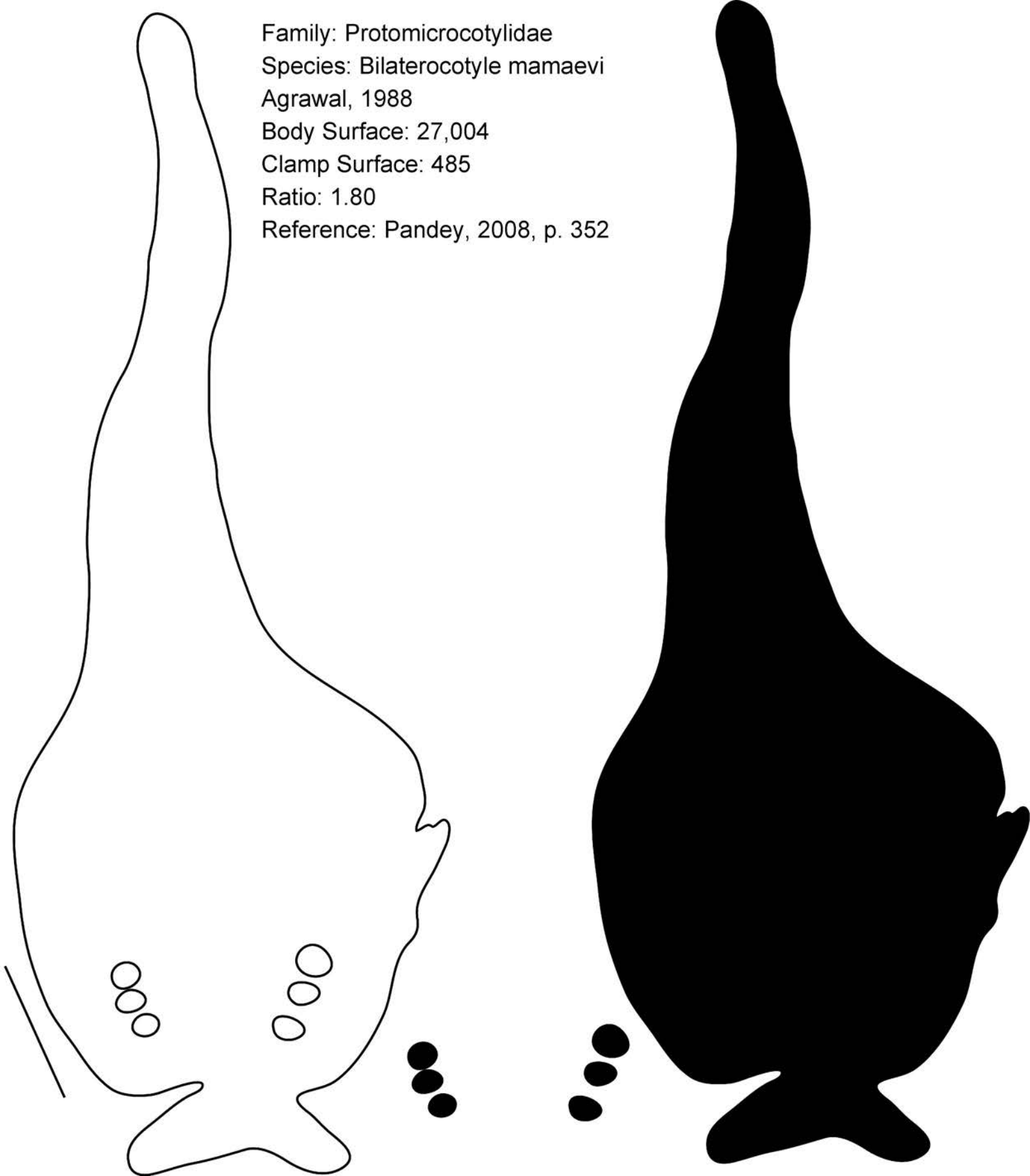


Family: Neothoracocotylidae
Species: *Scomberomorocotyle munroi* Rohde & Hayward, 1999
Body Surface: 640,210
Clamp Surface: 74,389
Ratio: 11.62
Reference: Rohde, 1999, p. 5



Family: Protomicrocotylidae
Species: *Bilaterocotyle mamaevi*
Agrawal, 1988
Body Surface: 27,004
Clamp Surface: 485
Ratio: 1.80
Reference: Pandey, 2008, p. 352

0.05 mm



Family: Protomicrocotylidae

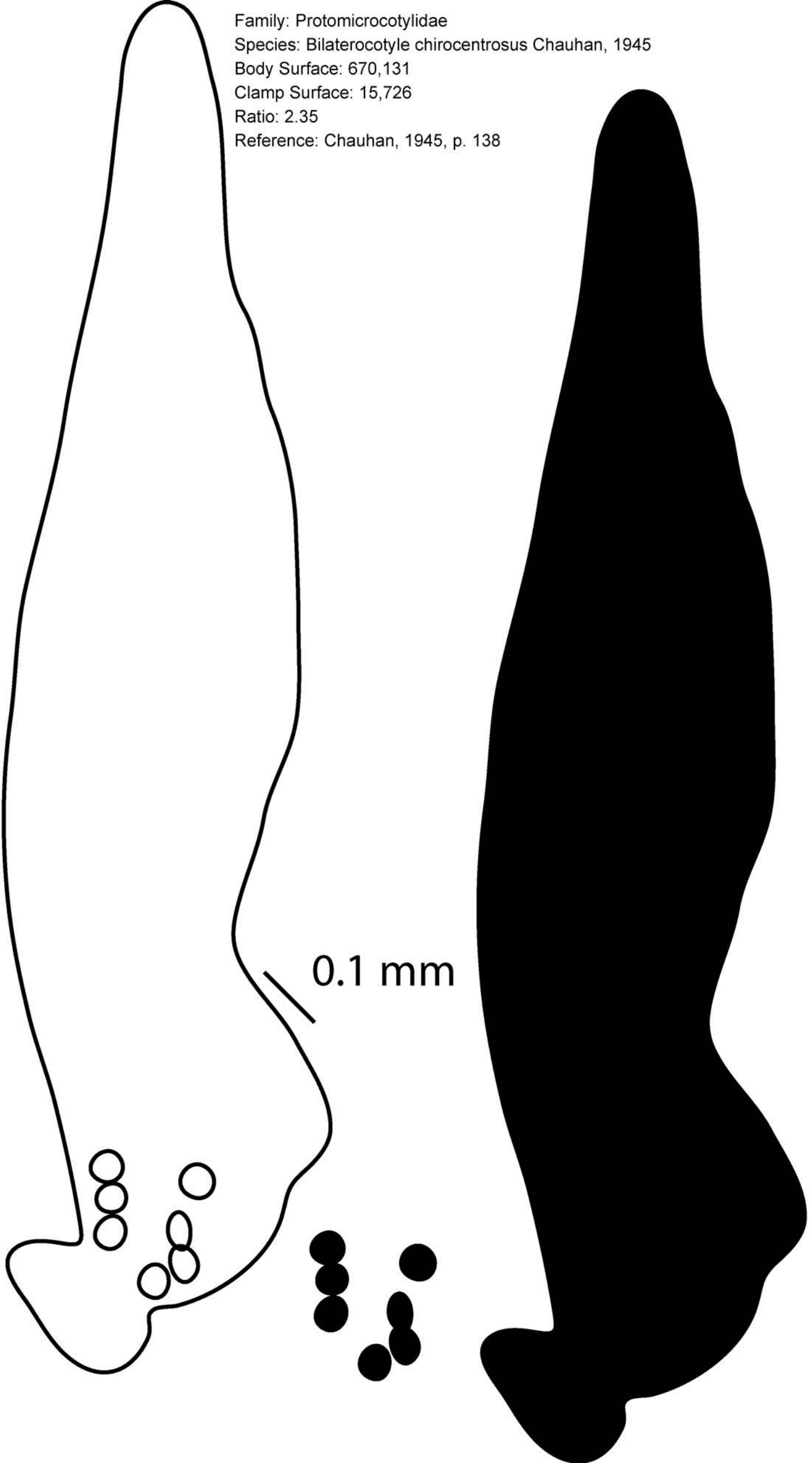
Species: *Bilaterocotyle chirocentrosus* Chauhan, 1945

Body Surface: 670,131

Clamp Surface: 15,726

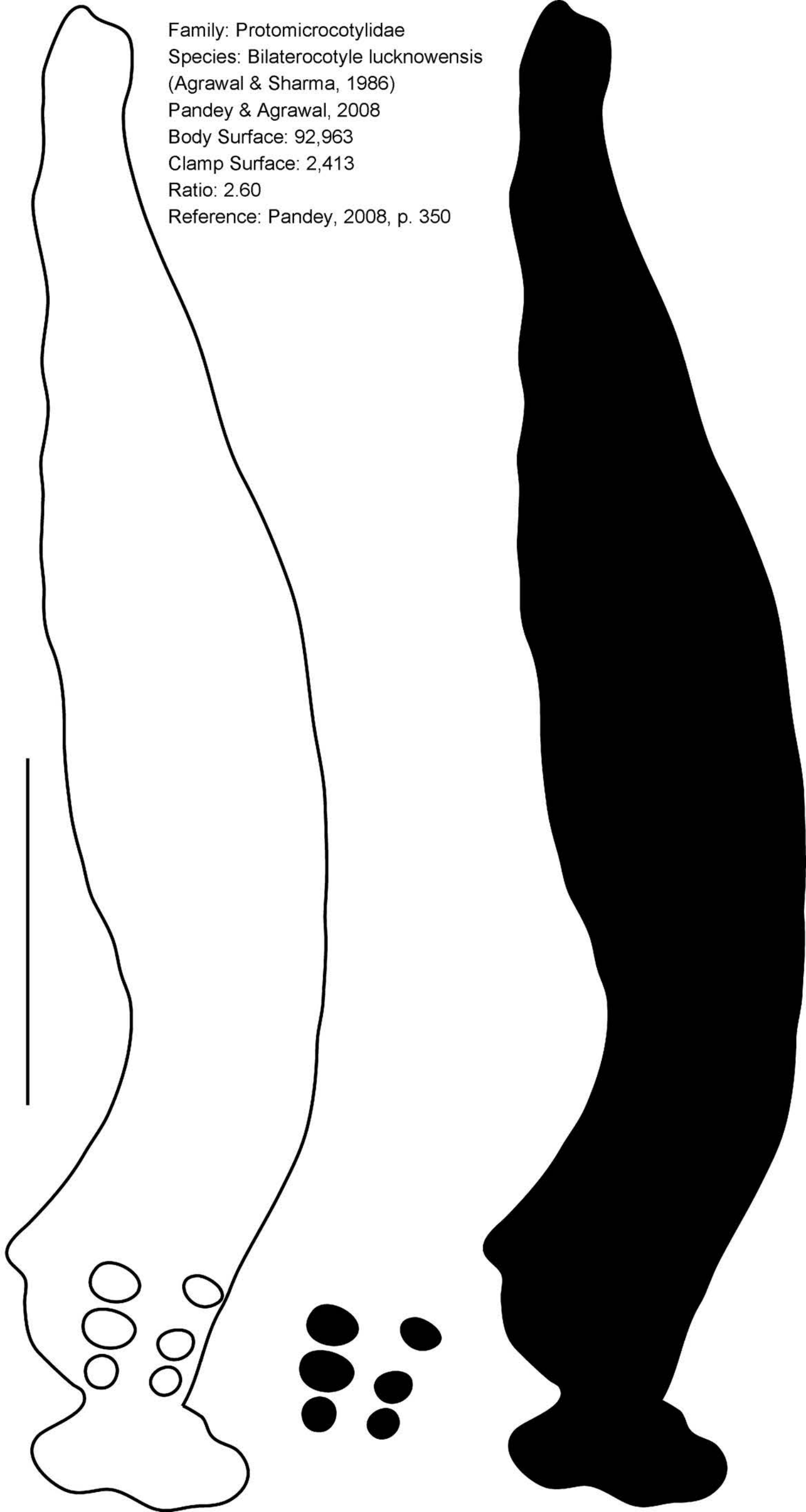
Ratio: 2.35

Reference: Chauhan, 1945, p. 138

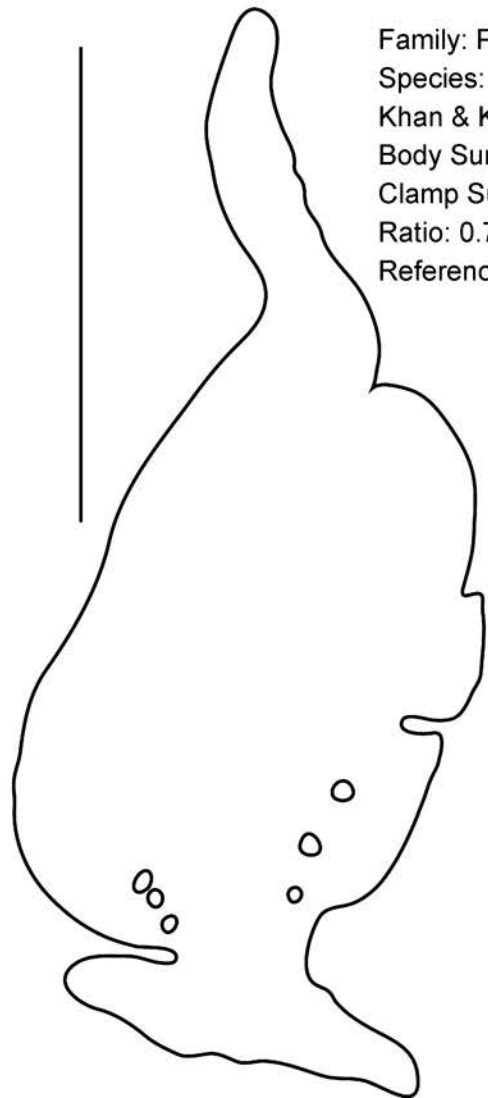


Family: Protomicrocotylidae
Species: *Bilaterocotyle lucknowensis*
(Agrawal & Sharma, 1986)
Pandey & Agrawal, 2008
Body Surface: 92,963
Clamp Surface: 2,413
Ratio: 2.60
Reference: Pandey, 2008, p. 350

0.2 mm



1 mm



Family: Protomicrocotylidae

Species: *Bilaterocotyle multitesticularis*

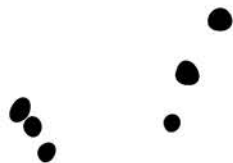
Khan & Karyakarte, 1982

Body Surface: 1,180,417

Clamp Surface: 9,192

Ratio: 0.78

Reference: Pandey, 2008, p. 349



Family: Protomicrocotylidae

Species: *Bilaterocotyle polynemusi*

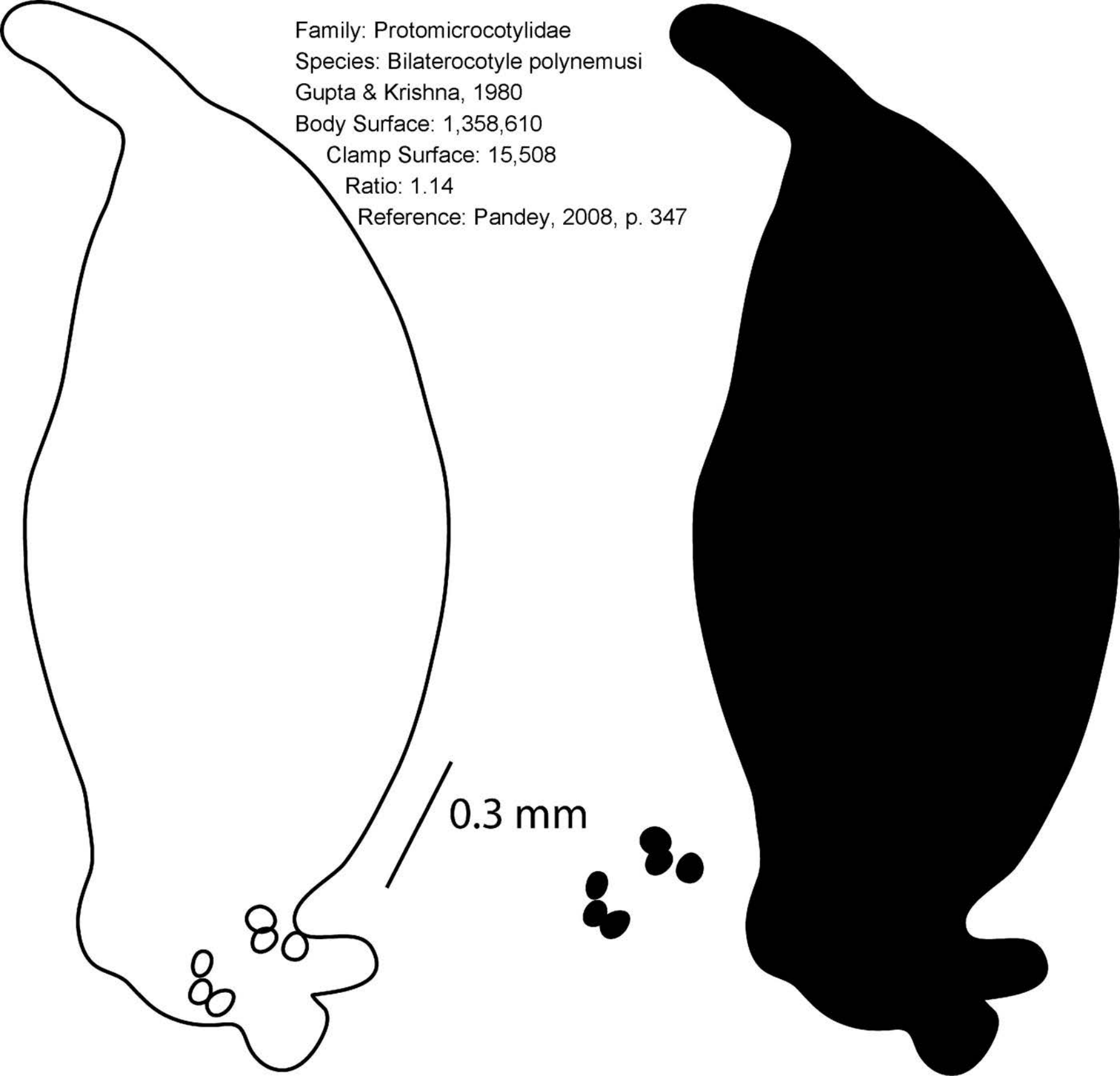
Gupta & Krishna, 1980

Body Surface: 1,358,610

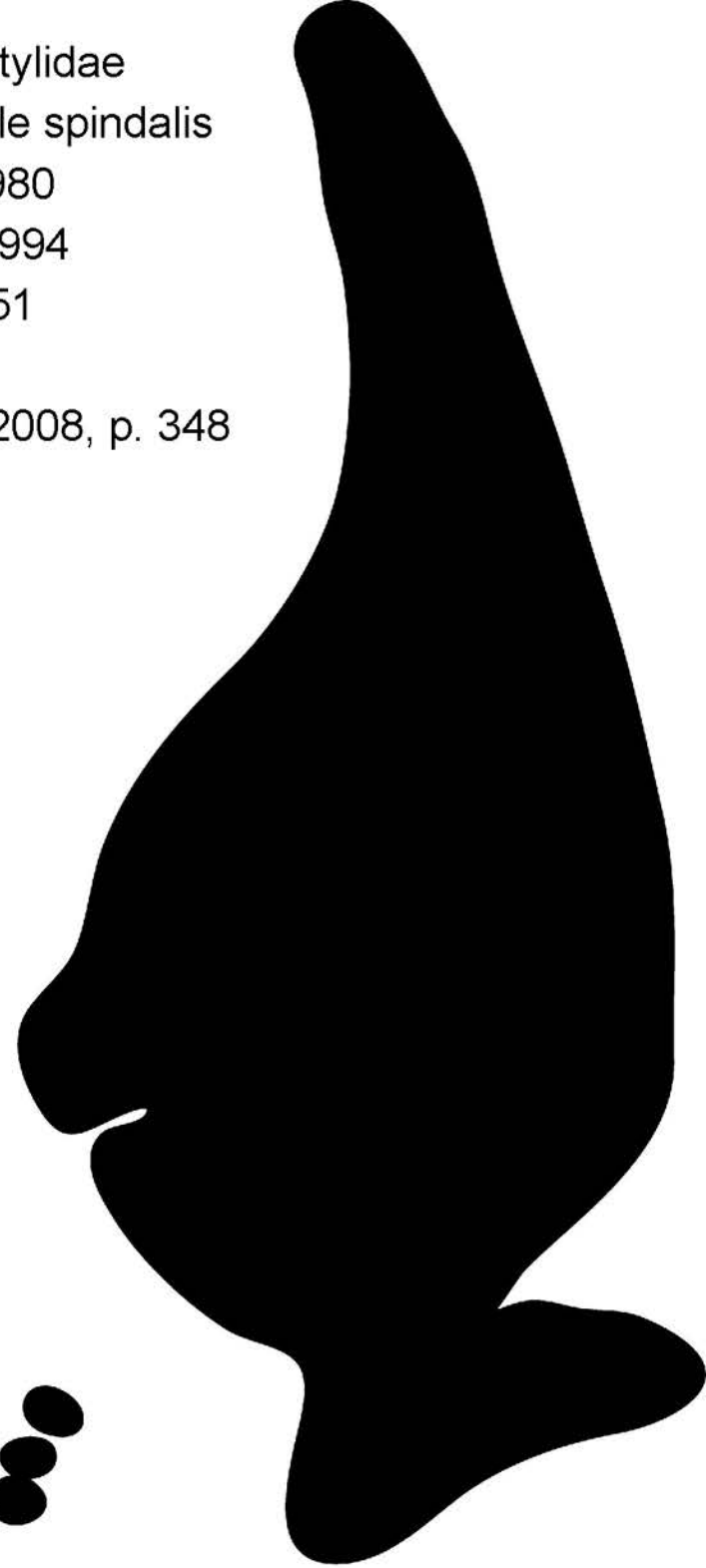
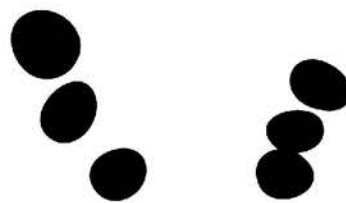
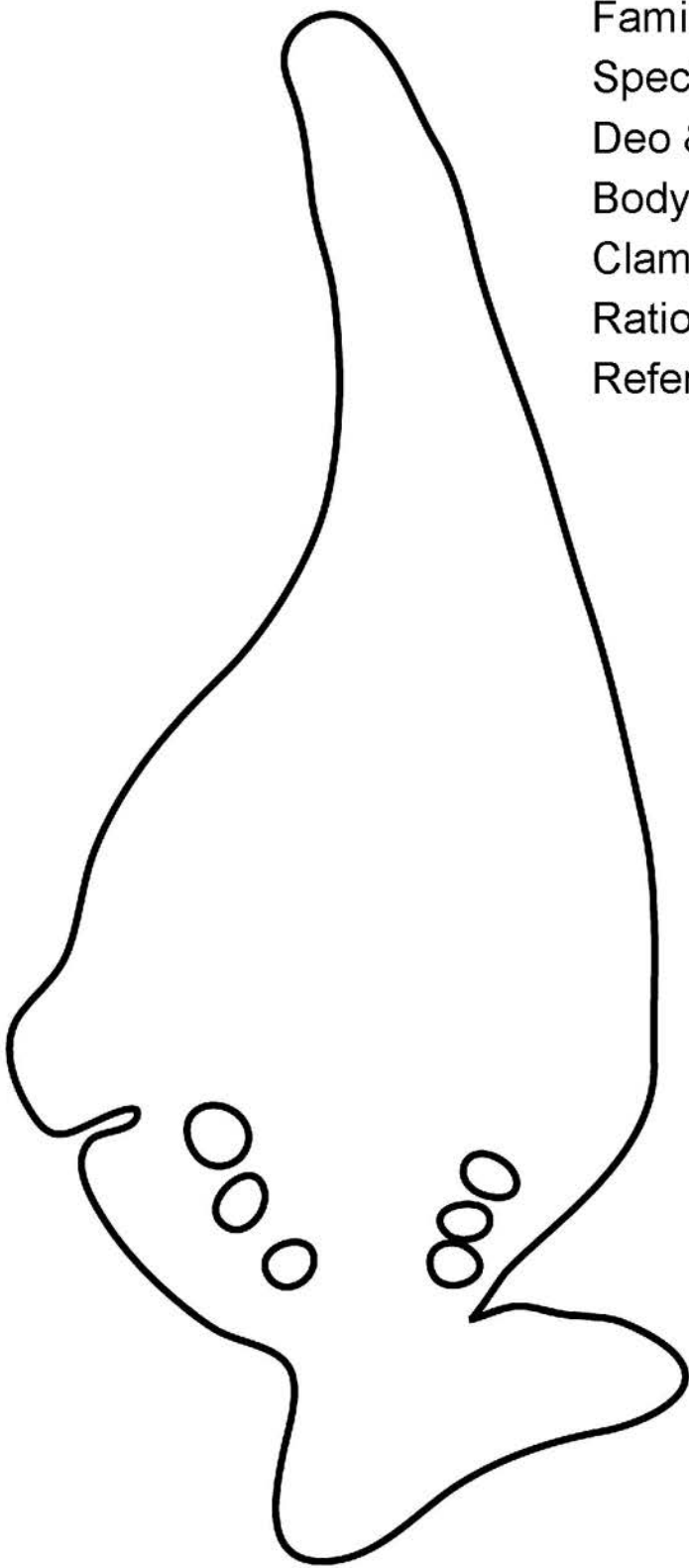
Clamp Surface: 15,508

Ratio: 1.14

Reference: Pandey, 2008, p. 347



Family: Protomicrocotylidae
Species: *Bilaterocotyle spindalis*
Deo & Karyakarte, 1980
Body Surface: 1,659,994
Clamp Surface: 45,651
Ratio: 2.75
Reference: Pandey, 2008, p. 348



1 mm

Family: Protomicrocotylidae

Species: *Bilaterocotyloides carangis* Ramalingam, 1961

Body Surface: 1,135,204

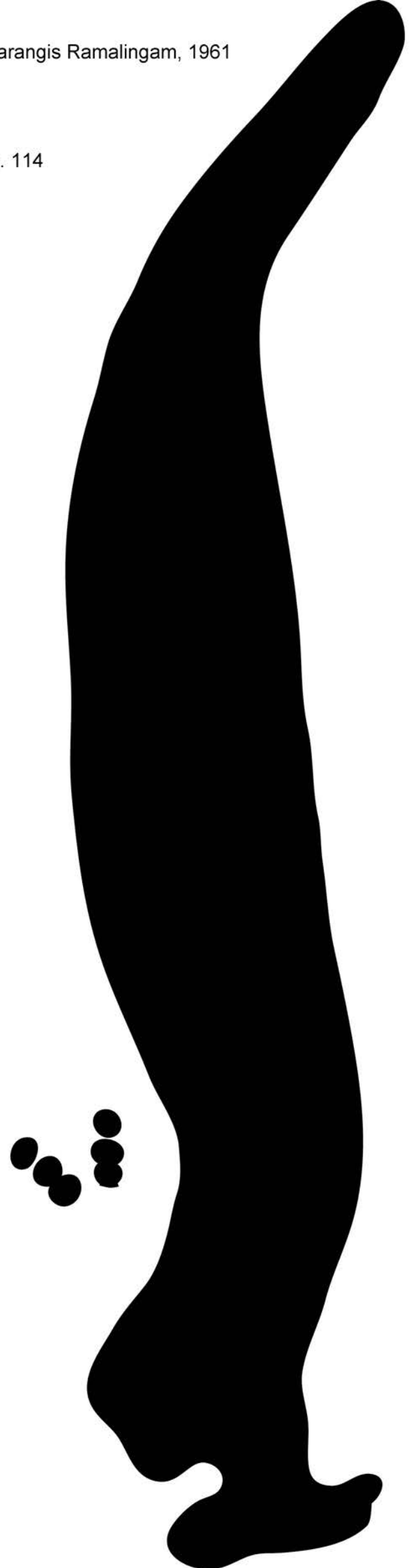
Clamp Surface: 13,434

Ratio: 1.18

Reference: Lebedev, 1986, p. 114



1 mm



Family: Protomicrocotylidae

Species: *Bilaterocotyloides madrasensis* Radha, 1966

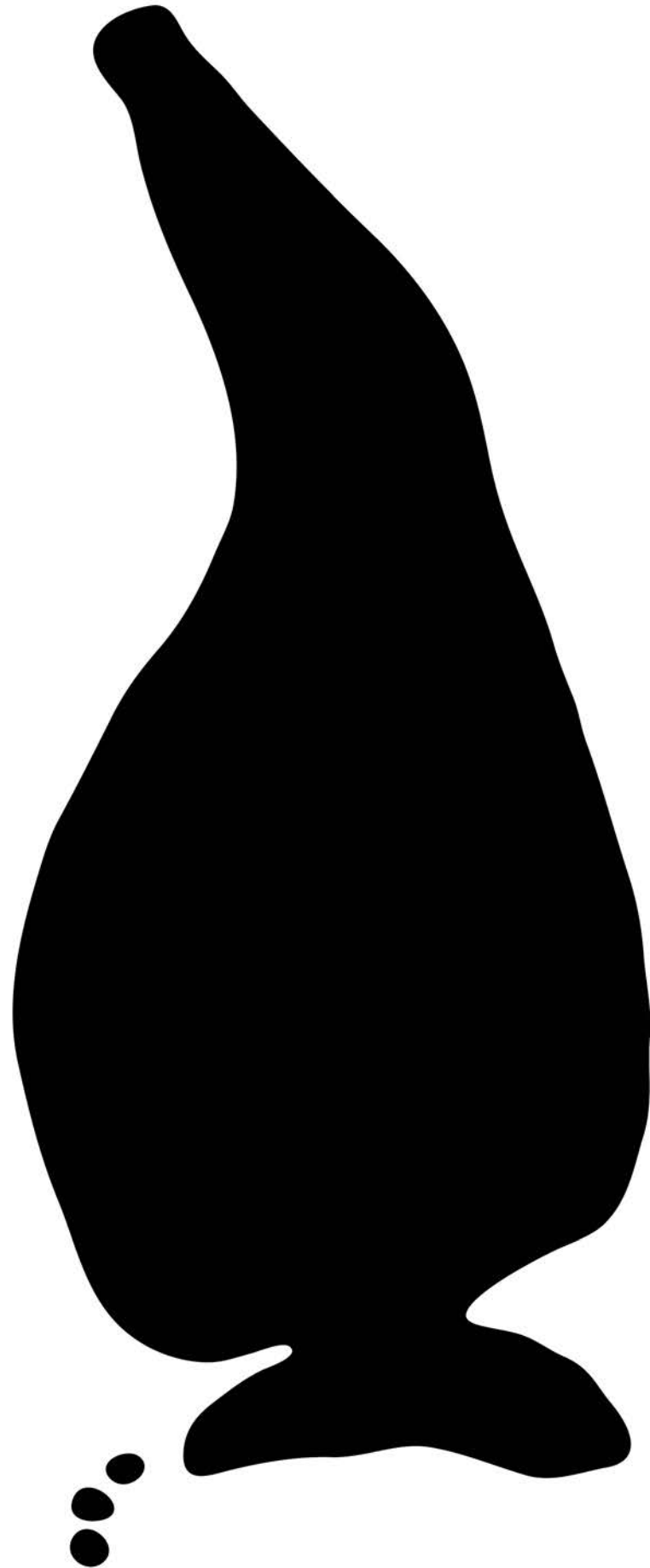
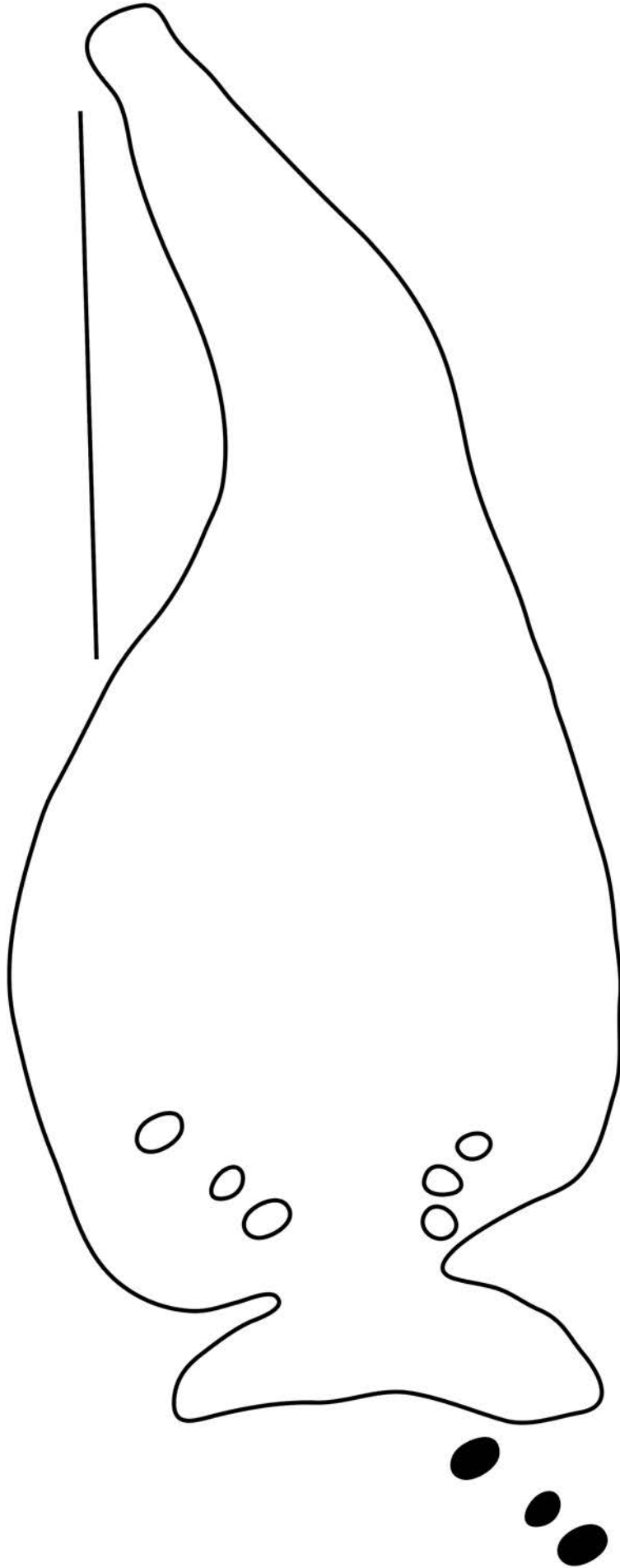
Body Surface: 441,228

Clamp Surface: 4,984

Ratio: 1.13

Reference: Lebedev, 1986, p. 116

0.5 mm



Family: Protomicrocotyliidae

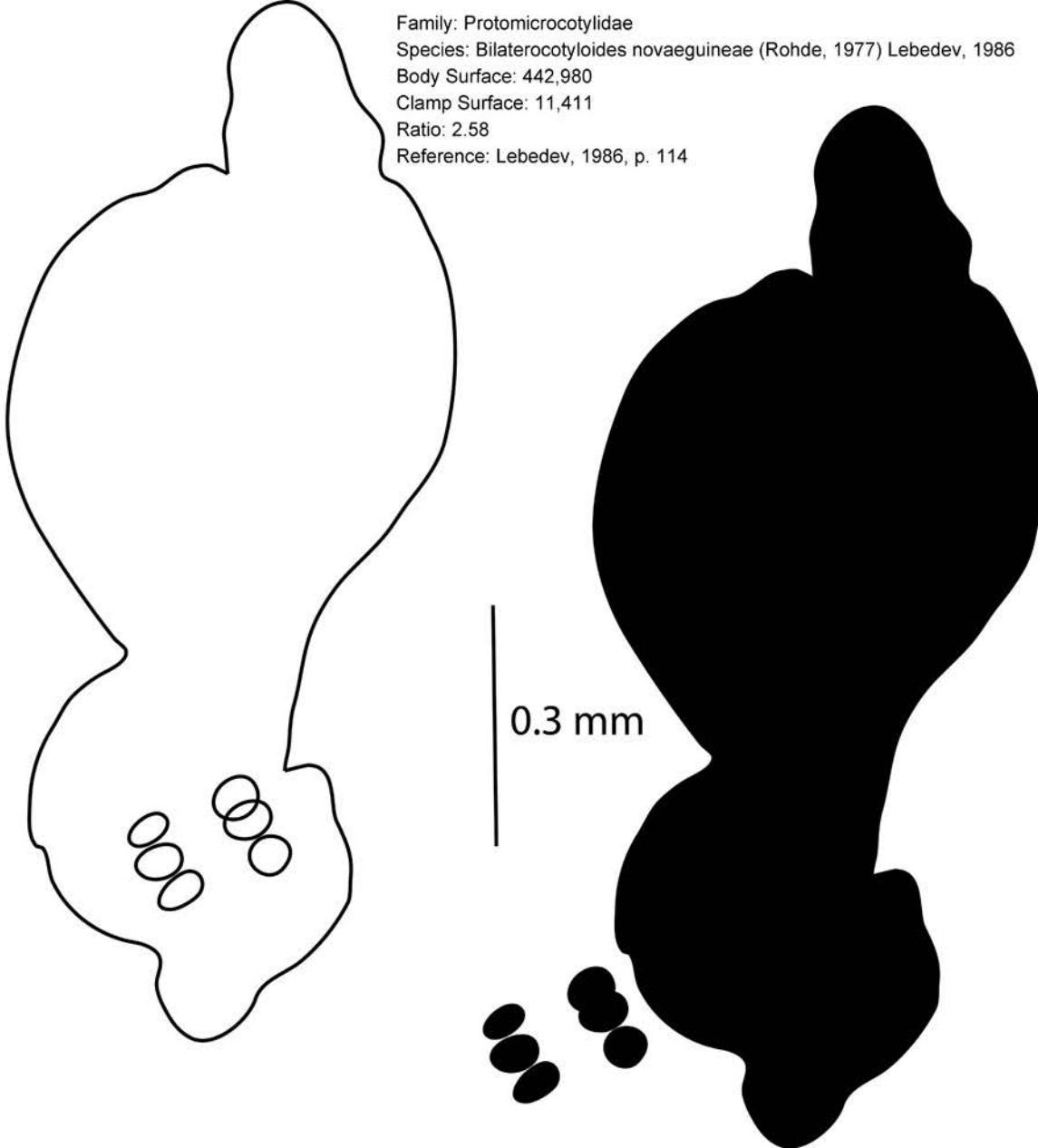
Species: Bilaterocotyloides novaeguineae (Rohde, 1977) Lebedev, 1986

Body Surface: 442,980

Clamp Surface: 11,411

Ratio: 2.58

Reference: Lebedev, 1986, p. 114



Family: Protomicrocotylidae

Species: *Bilaterocotyloides spinulosus*

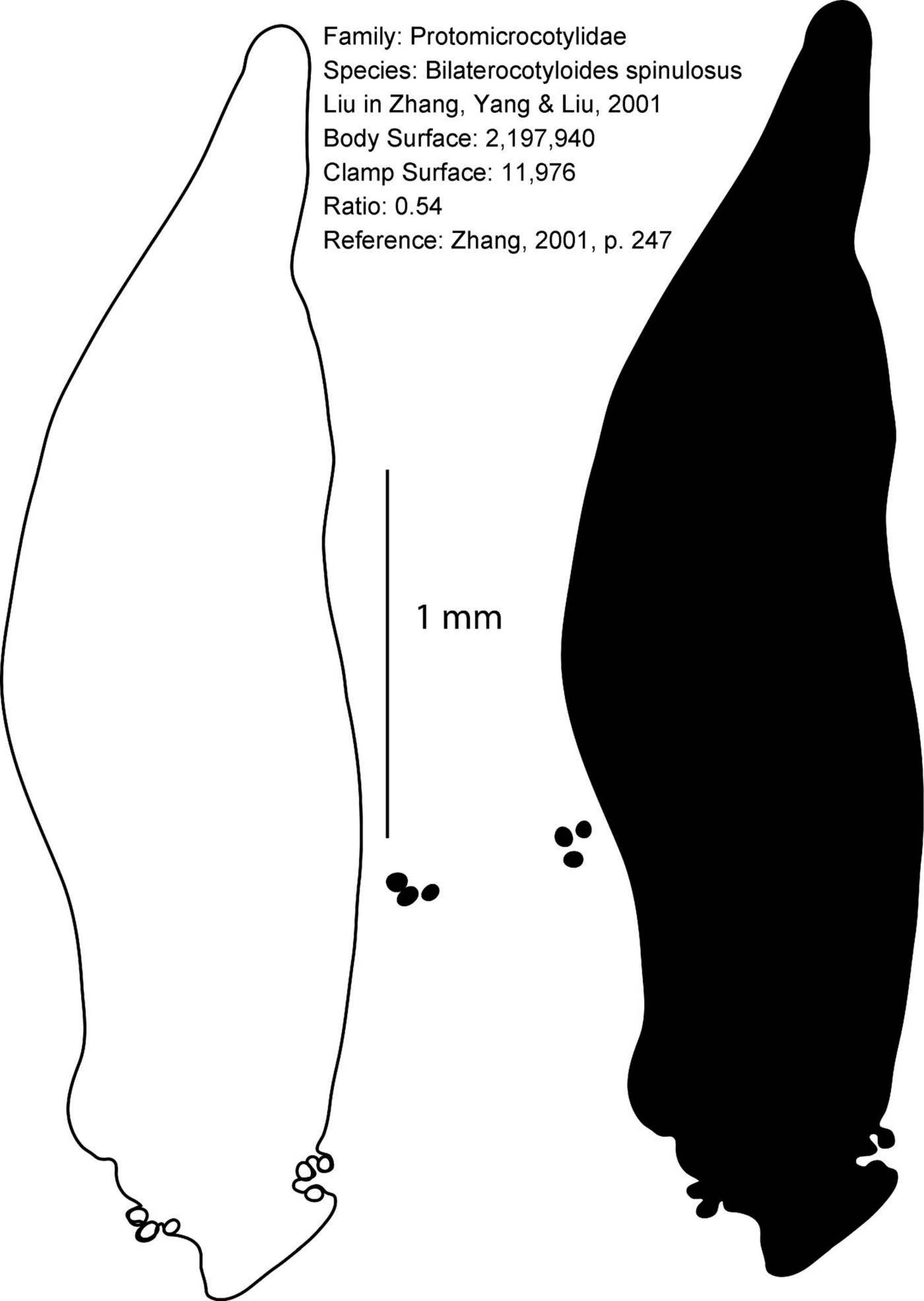
Liu in Zhang, Yang & Liu, 2001

Body Surface: 2,197,940

Clamp Surface: 11,976

Ratio: 0.54

Reference: Zhang, 2001, p. 247



Family: Protomicrocotylidae

Species: Chauhanocotyle rottleri

Khoche & Dad, 1975

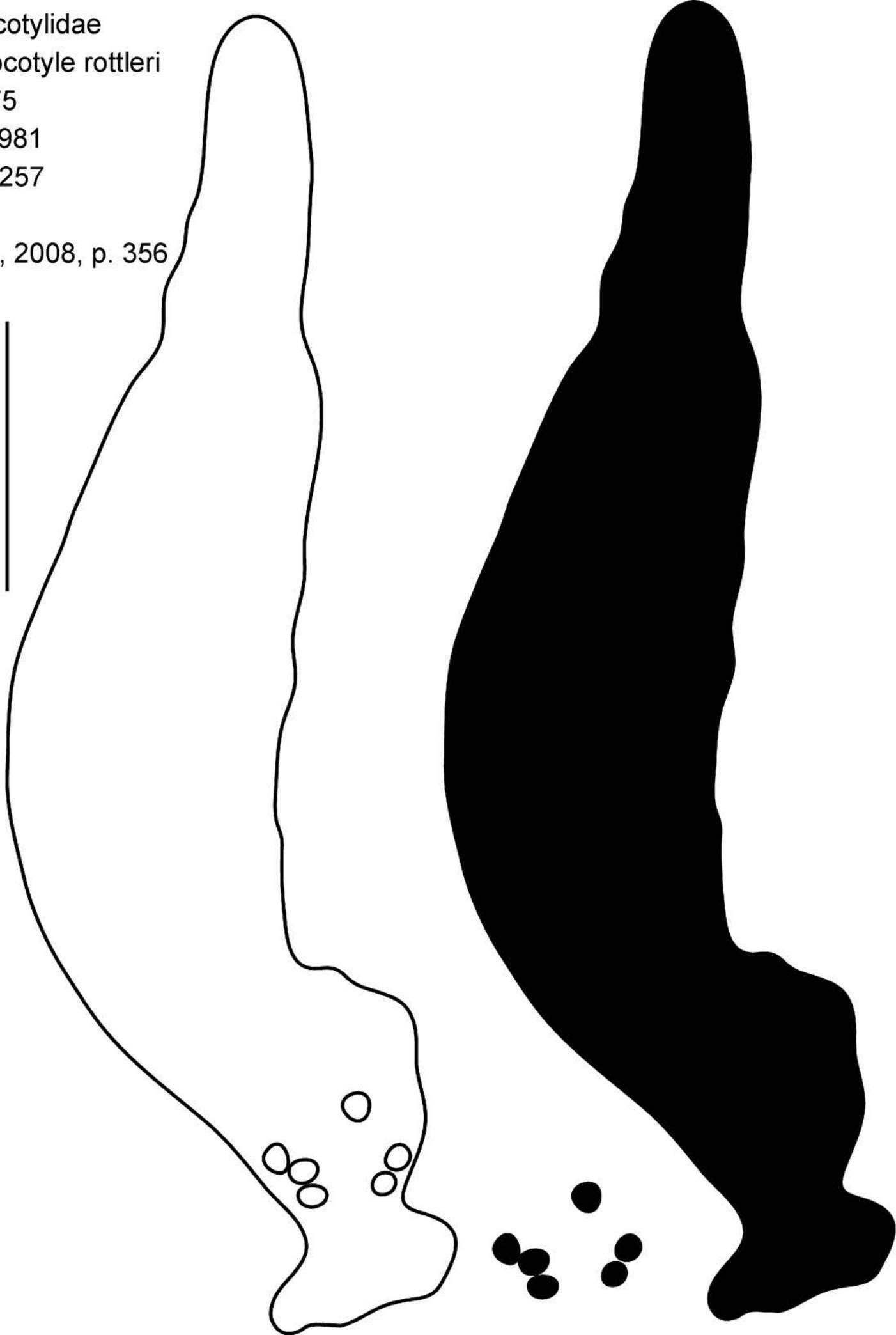
Body Surface: 912,981

Clamp Surface: 13,257

Ratio: 1.45

Reference: Pandey, 2008, p. 356

0.5 mm



Family: Protomicrocotylidae

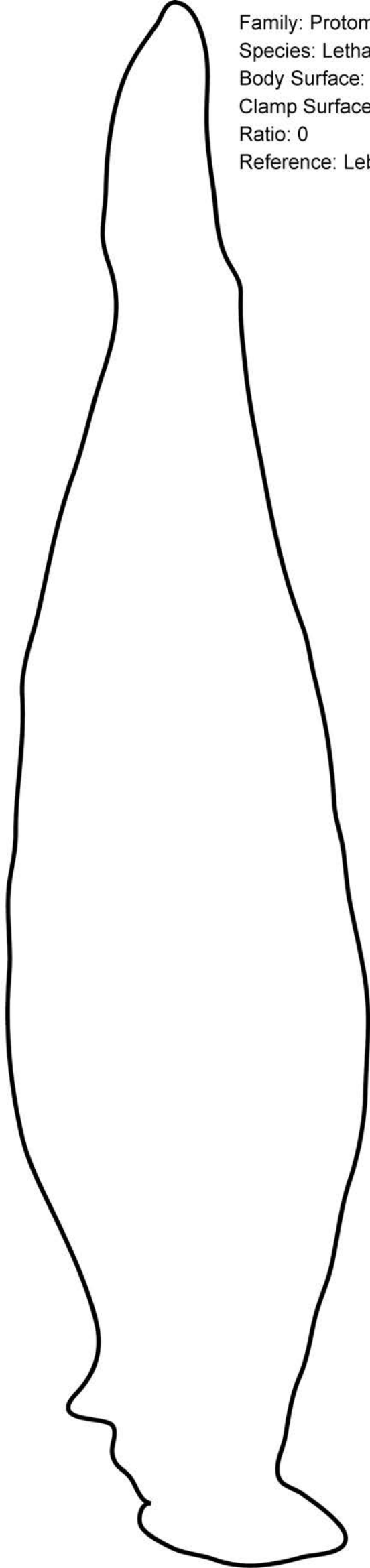
Species: *Lethacotyle fijiensis* Manter & Price, 1953

Body Surface: 2,788,607

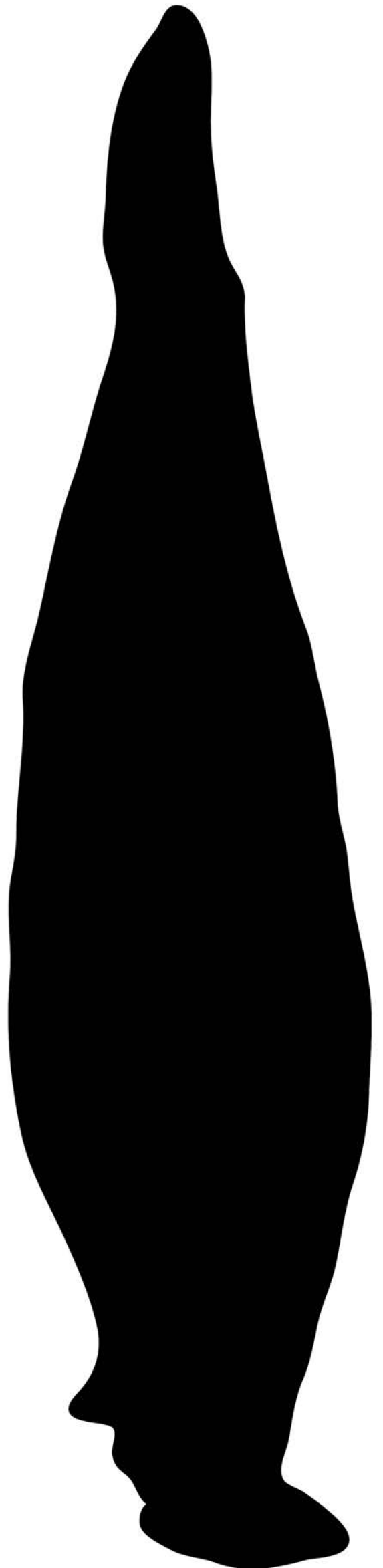
Clamp Surface: 0

Ratio: 0

Reference: Lebedev, 1986, p. 117



0.5 mm



Family: Protomicrocotylidae
Species: Lethacotyle new species JNC3209A1
Body Surface: 2,562,639
Clamp Surface: 0
Ratio: 0

0.5 mm



Family: Protomicrocotylidae

Species: *Neomicrocotyle carangis* Yamaguti, 1968

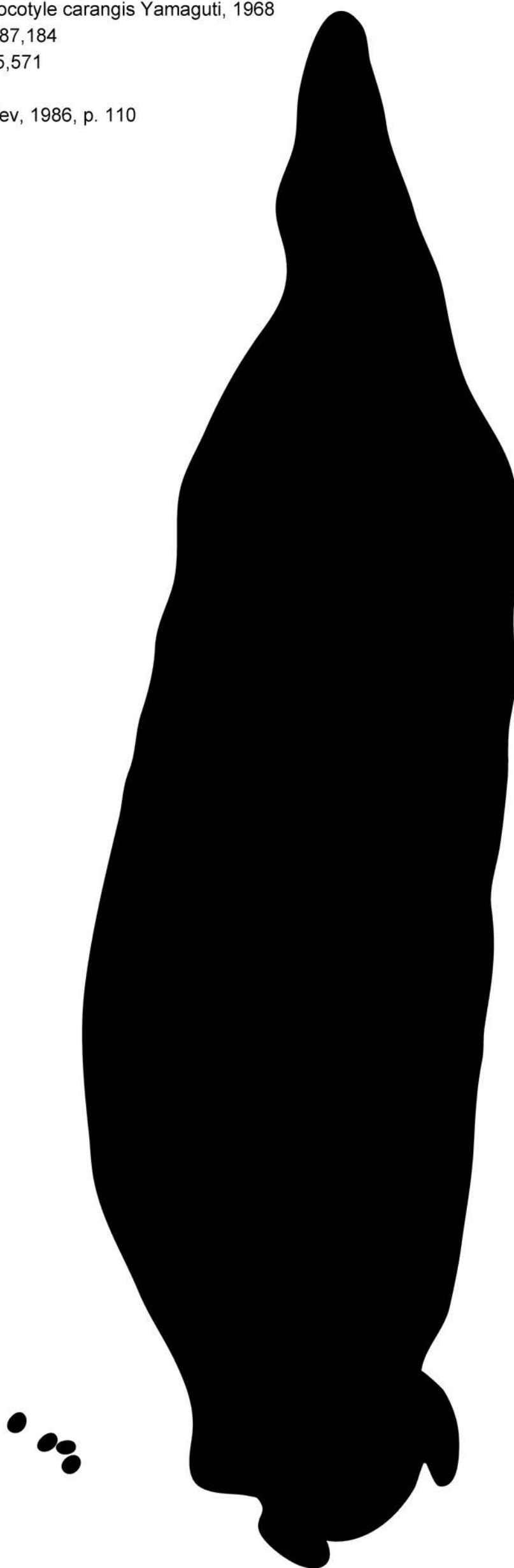
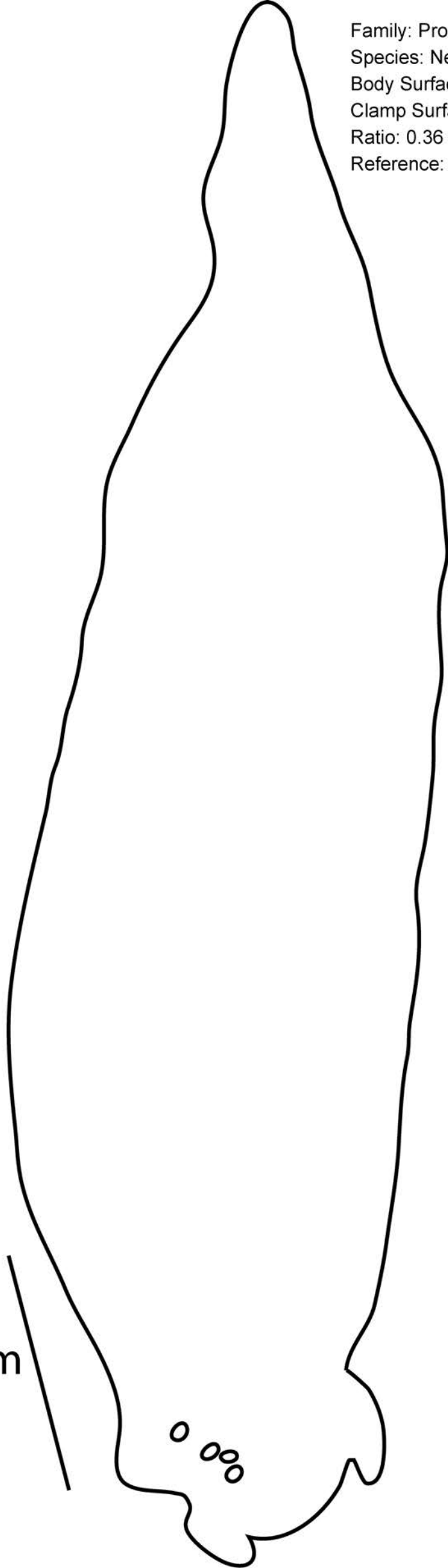
Body Surface: 4,287,184

Clamp Surface: 15,571

Ratio: 0.36

Reference: Lebedev, 1986, p. 110

1 mm



Family: Protomicrocotylidae

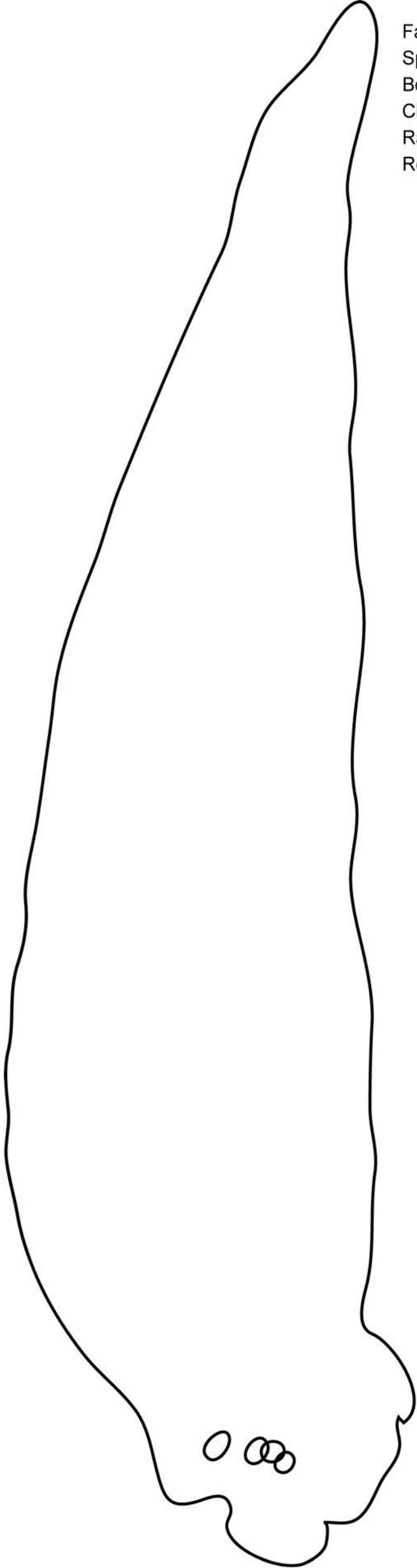
Species: *Neomicrocotyle indica* Ramalingam, 1960

Body Surface: 49,651

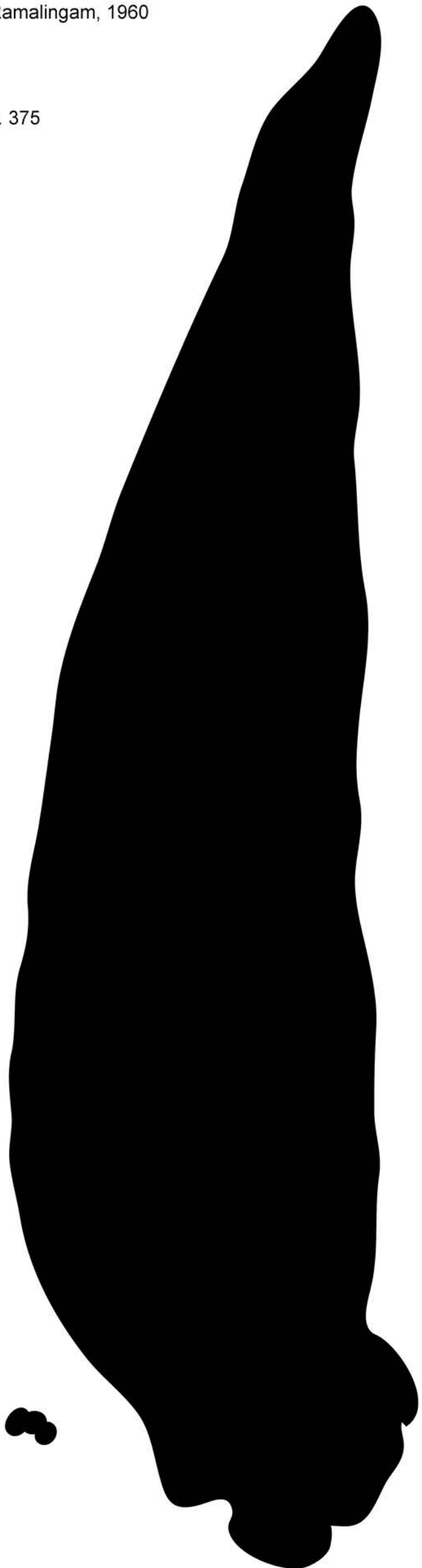
Clamp Surface: 232

Ratio: 0.47

Reference: Ramalingam, 1960, p. 375

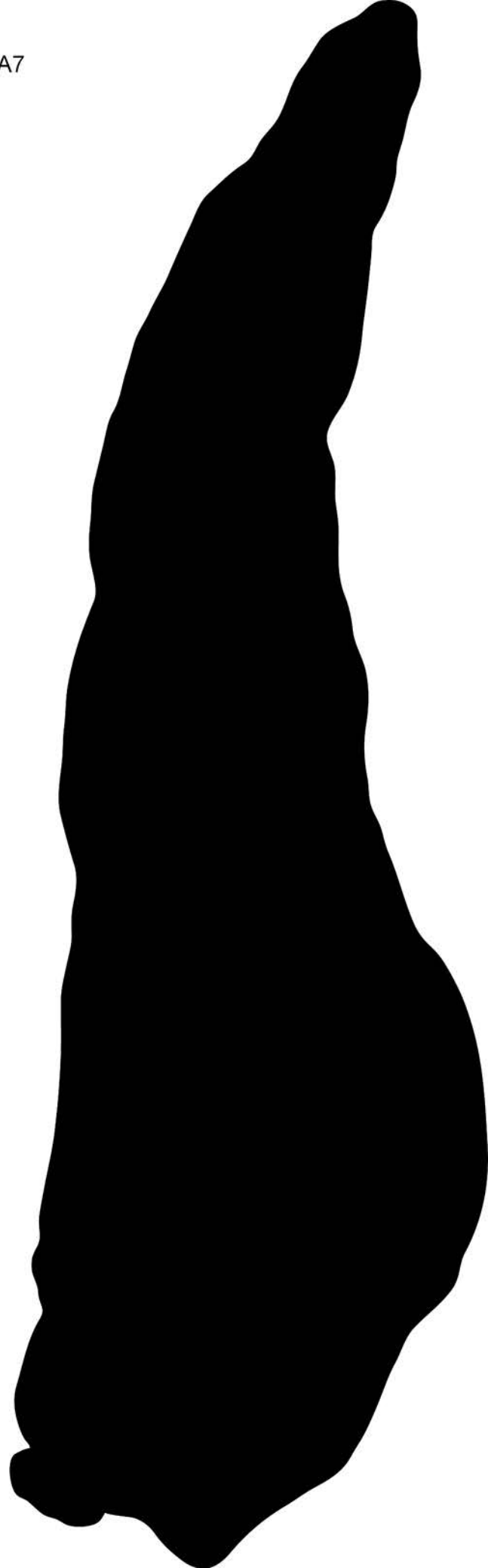
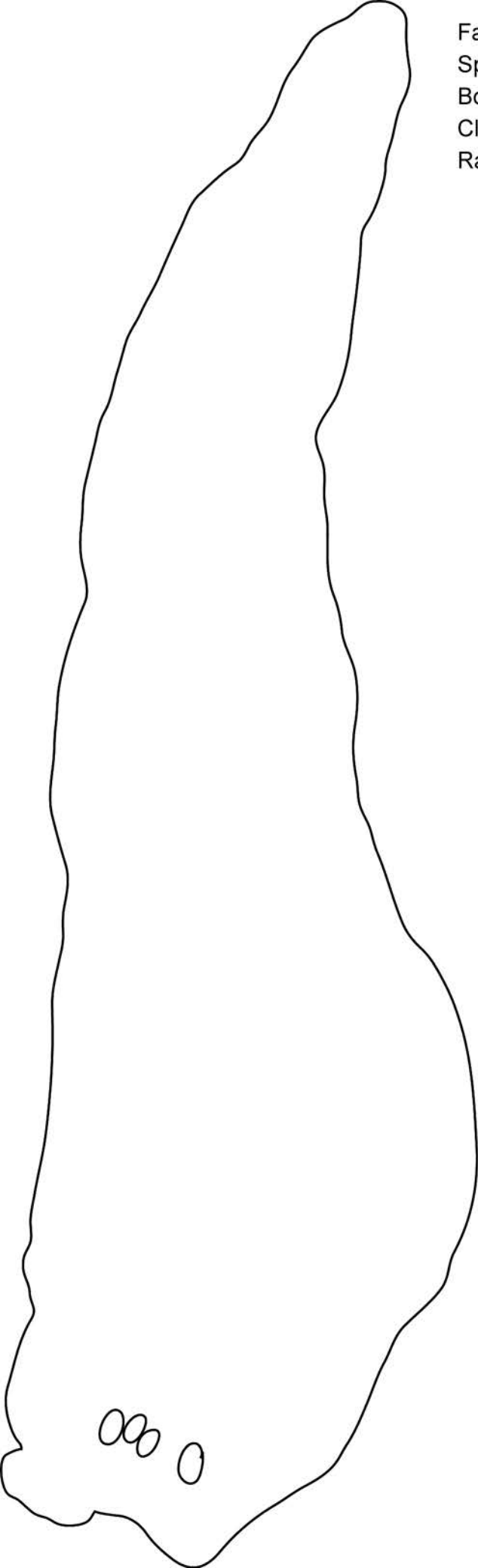


0.05 mm



Family: Protomicrocotylidae
Species: Neomicrocotyle sp. JNC 3242A7
Body Surface: 2,663,686
Clamp Surface: 15,327
Ratio: 0.58

0.5 mm



Family: Protomicrocotylidae

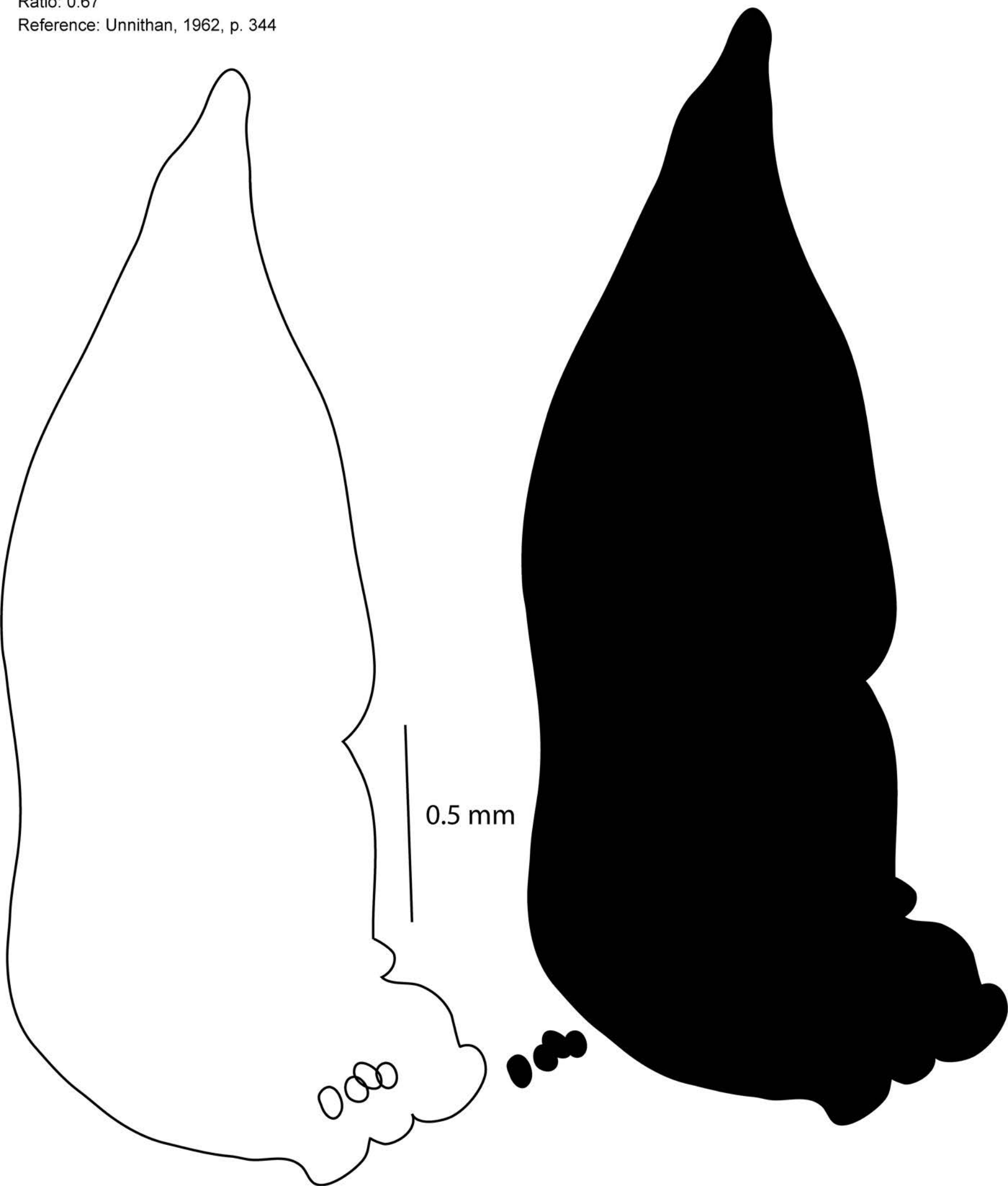
Species: Neomicrocotyle unnithani Yamaguti, 1968

Body Surface: 2,019,641

Clamp Surface: 13,440

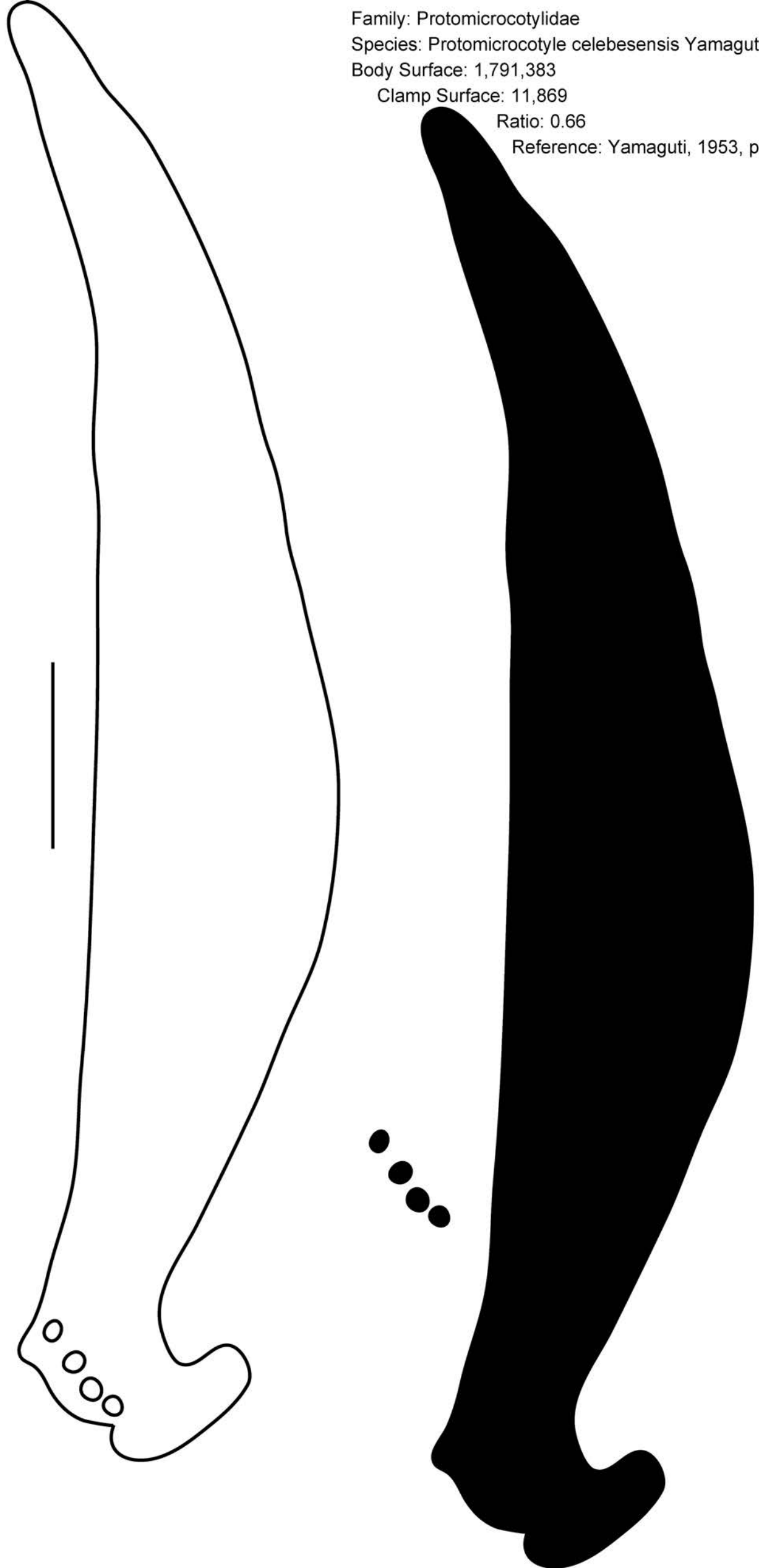
Ratio: 0.67

Reference: Unnithan, 1962, p. 344



Family: Protomicrocotylidae
Species: Protomicrocotyle celebesensis Yamaguti, 1953
Body Surface: 1,791,383
Clamp Surface: 11,869
Ratio: 0.66
Reference: Yamaguti, 1953, p. 56

0.5 mm



Family: Protomicrocotylidae

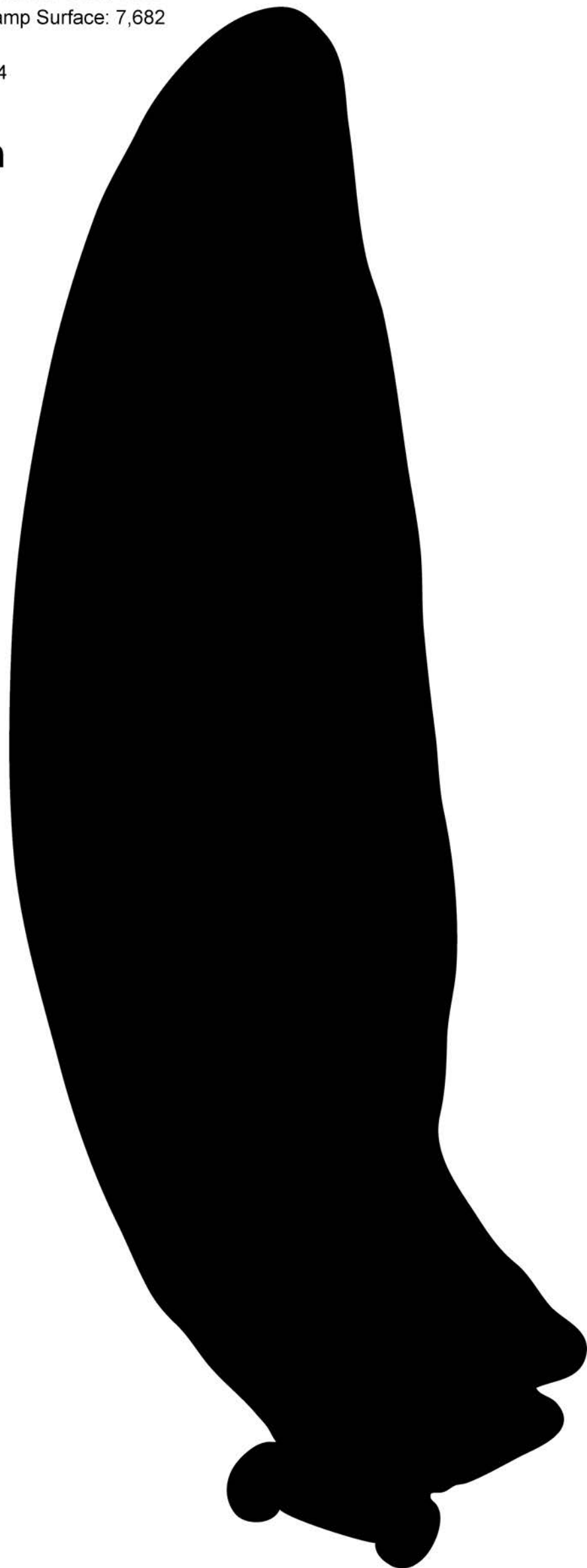
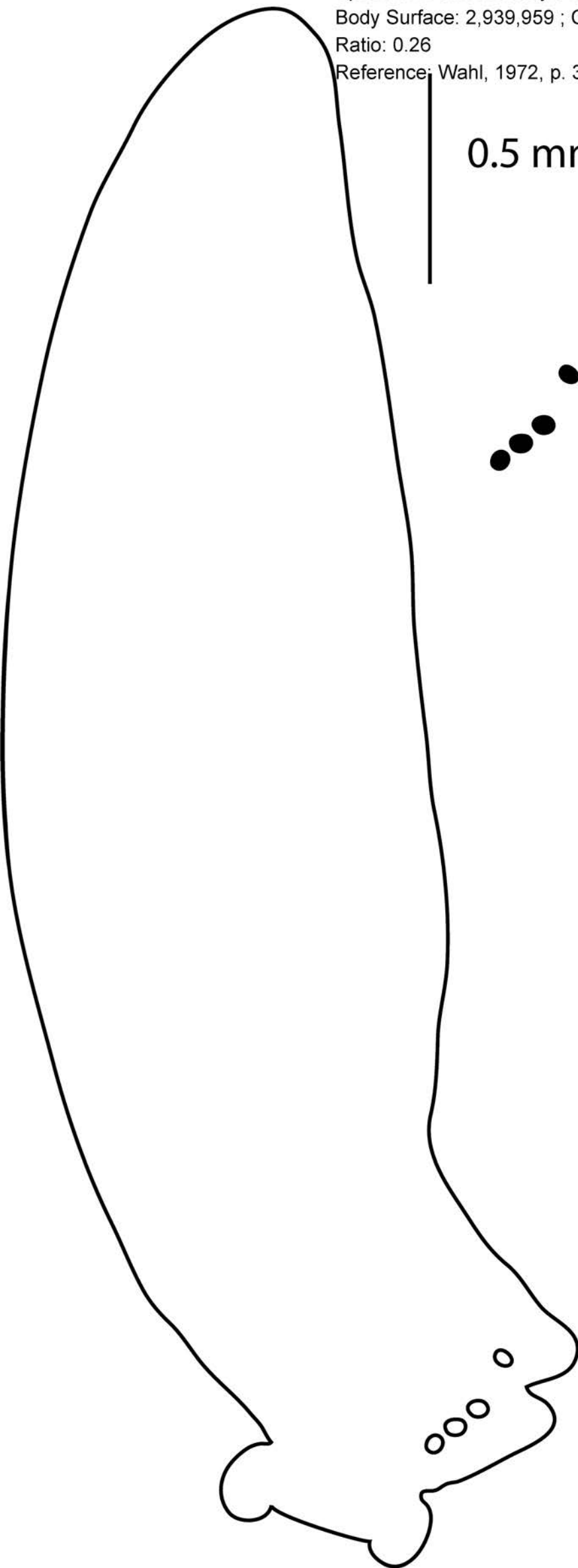
Species: *Protomicrocotyle ivoriensis* Wahl, 1972

Body Surface: 2,939,959 ; Clamp Surface: 7,682

Ratio: 0.26

Reference: Wahl, 1972, p. 324

0.5 mm



Family: Protomicrocotylidae

Species: *Protomicrocotyle madrasensis*

Ramalingam, 1960

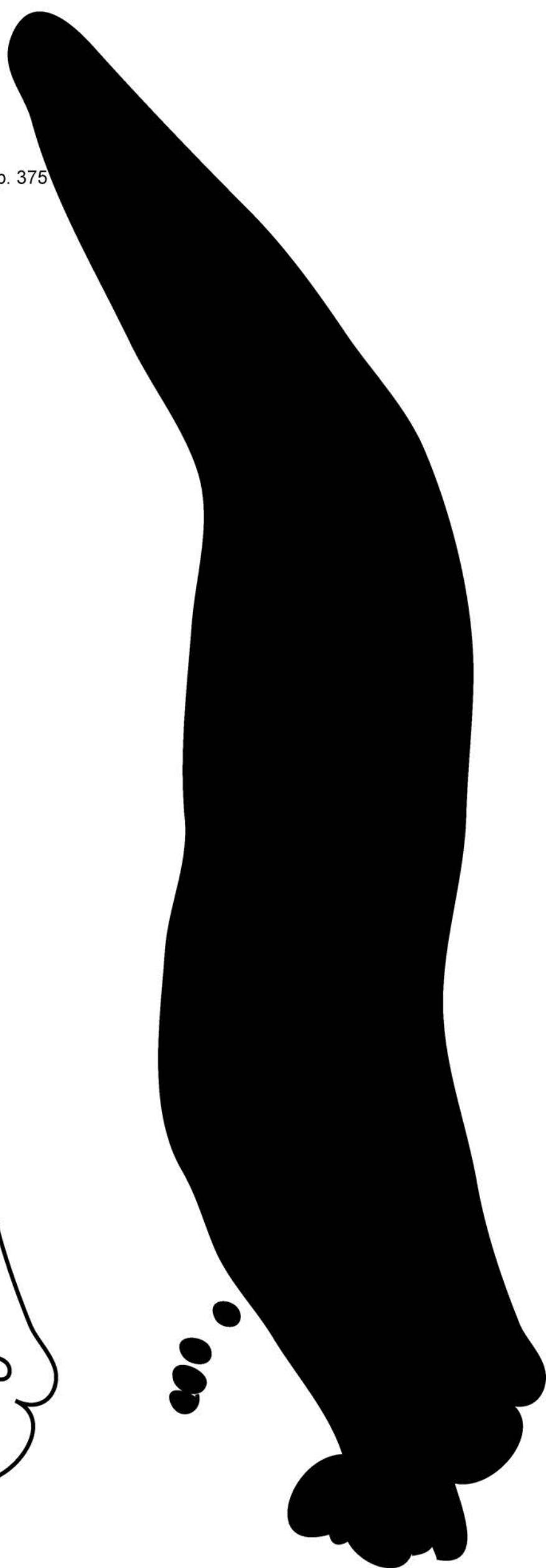
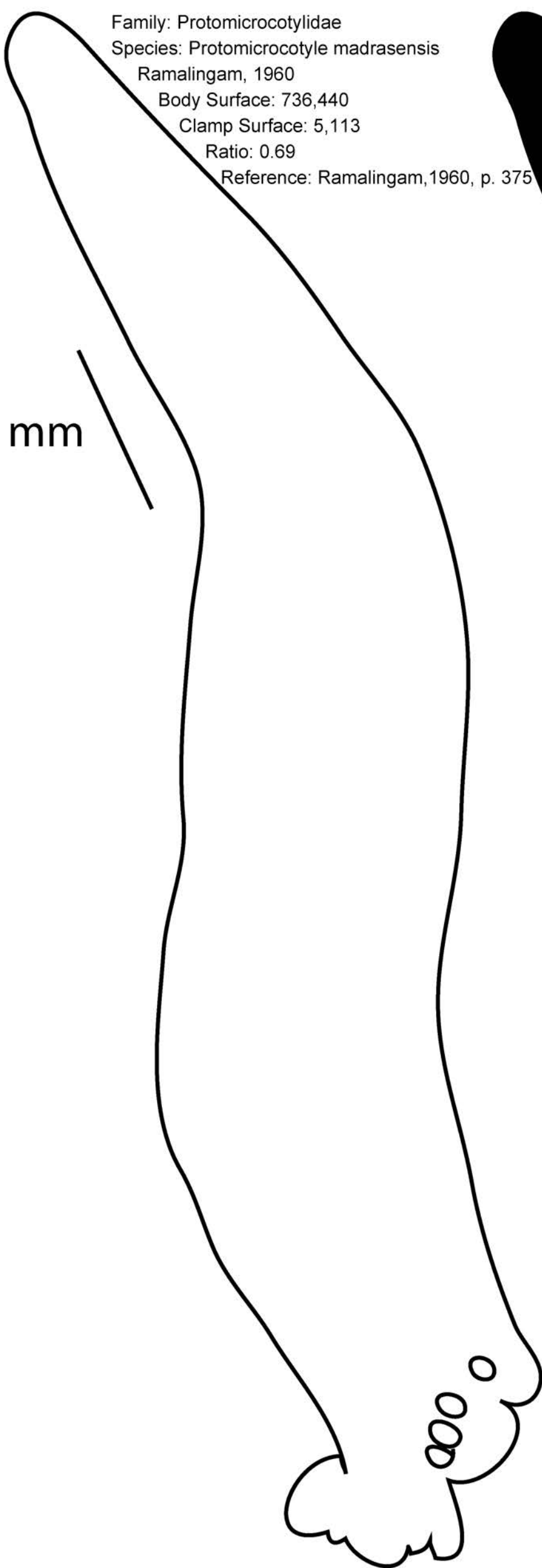
Body Surface: 736,440

Clamp Surface: 5,113

Ratio: 0.69

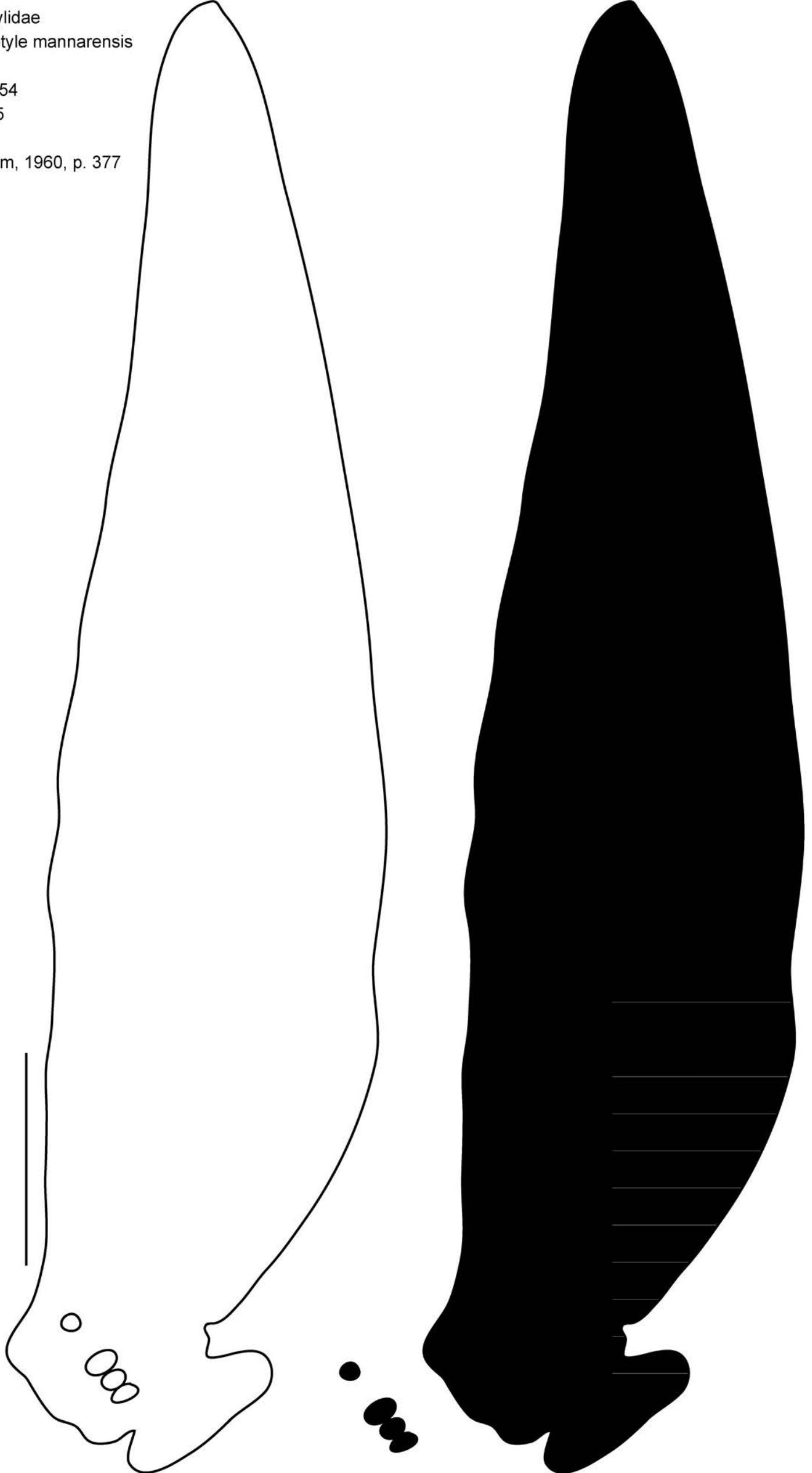
Reference: Ramalingam, 1960, p. 375

0.25 mm

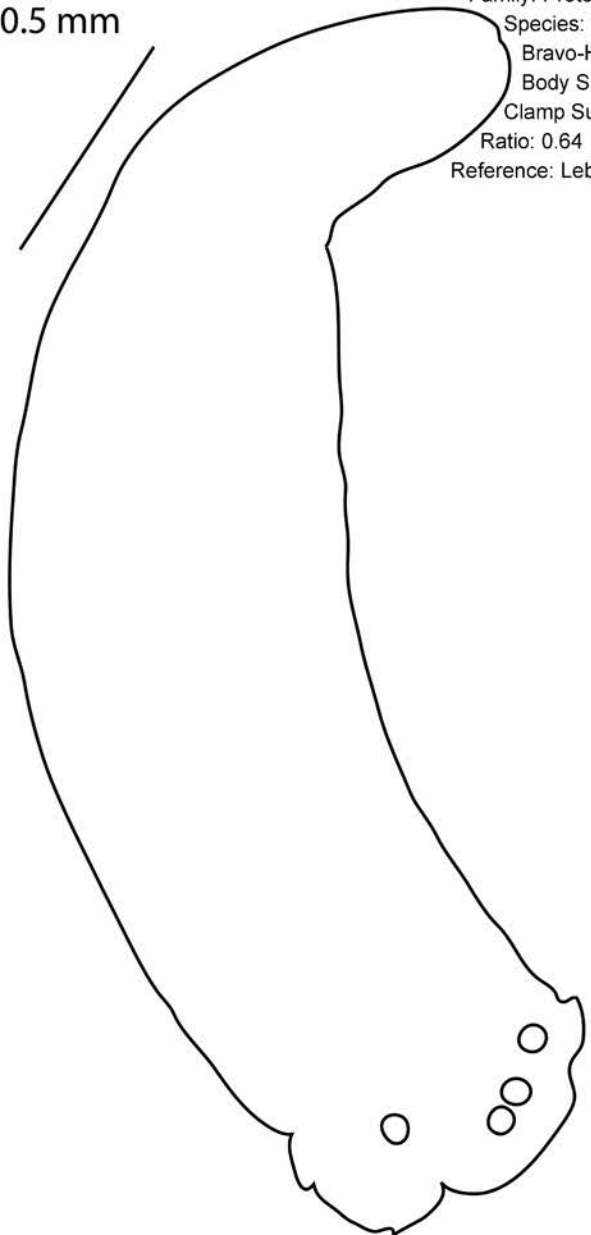


Family: Protomicrocotylidae
Species: Protomicrocotyle mannarensis
Ramalingam, 1960
Body Surface: 1,934,754
Clamp Surface: 10,205
Ratio: 0.53
Reference: Ramalingam, 1960, p. 377

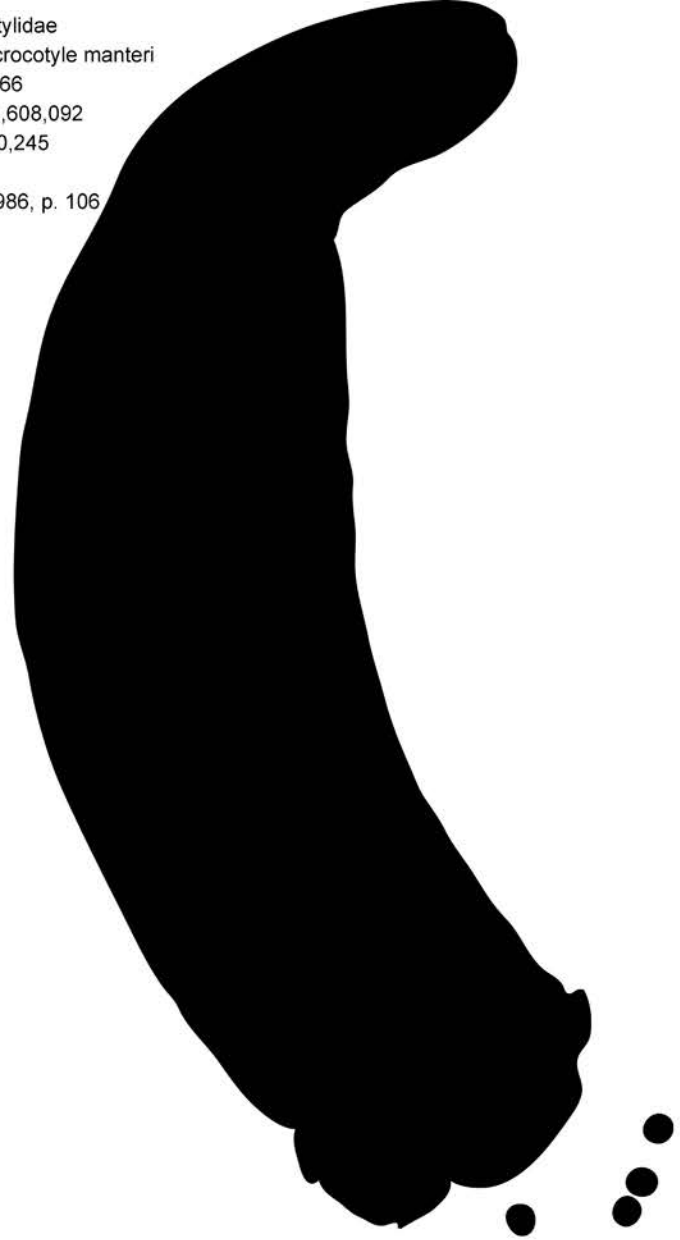
0.5 mm



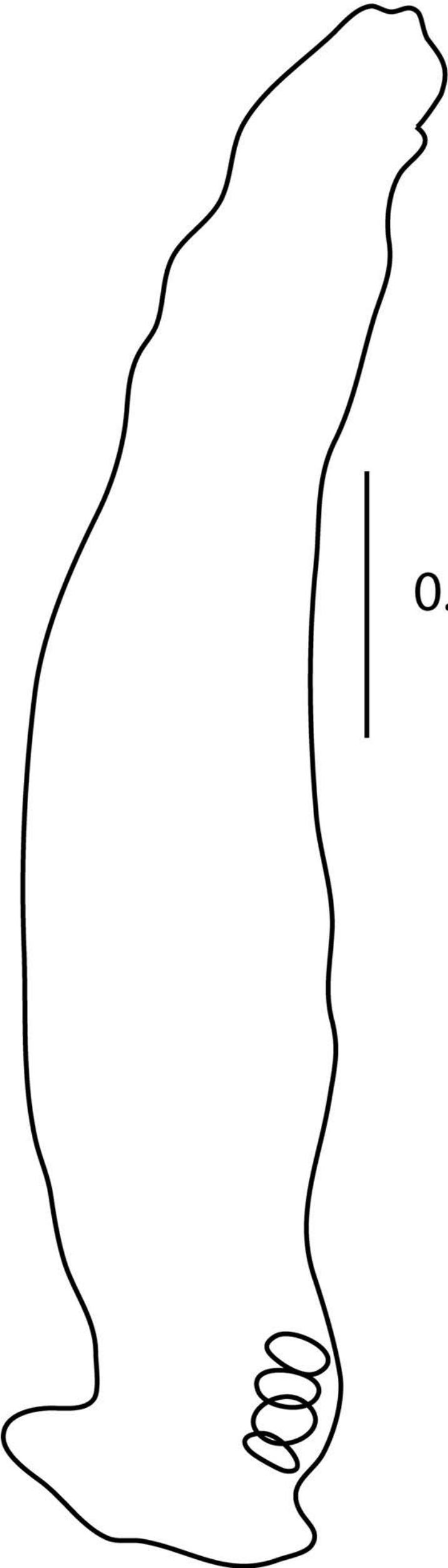
0.5 mm



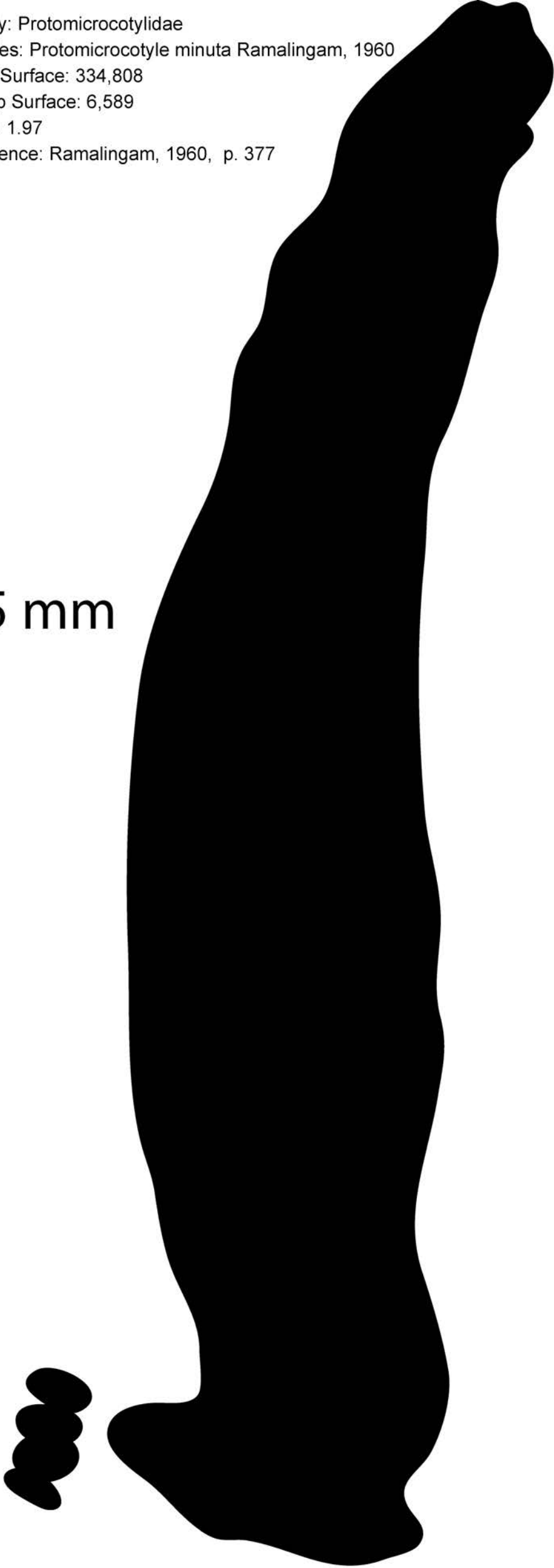
Family: Protomicrocotylidae
Species: Protomicrocotyle manteri
Bravo-Hollis, 1966
Body Surface: 1,608,092
Clamp Surface: 10,245
Ratio: 0.64
Reference: Lebedev, 1986, p. 106



Family: Protomicrocotylidae
Species: Protomicrocotyle minuta Ramalingam, 1960
Body Surface: 334,808
Clamp Surface: 6,589
Ratio: 1.97
Reference: Ramalingam, 1960, p. 377



0.25 mm



Family: Protomicrocotylidae

Species: Protomicrocotyle mirabilis (MacCallum, 1918) Johnston & Tiegs, 1922

Body Surface: 231,559

Clamp Surface: 7,854

Ratio: 3.39

Reference: Wahl, 1972, p. 321



Family: Protomicrocotylidae

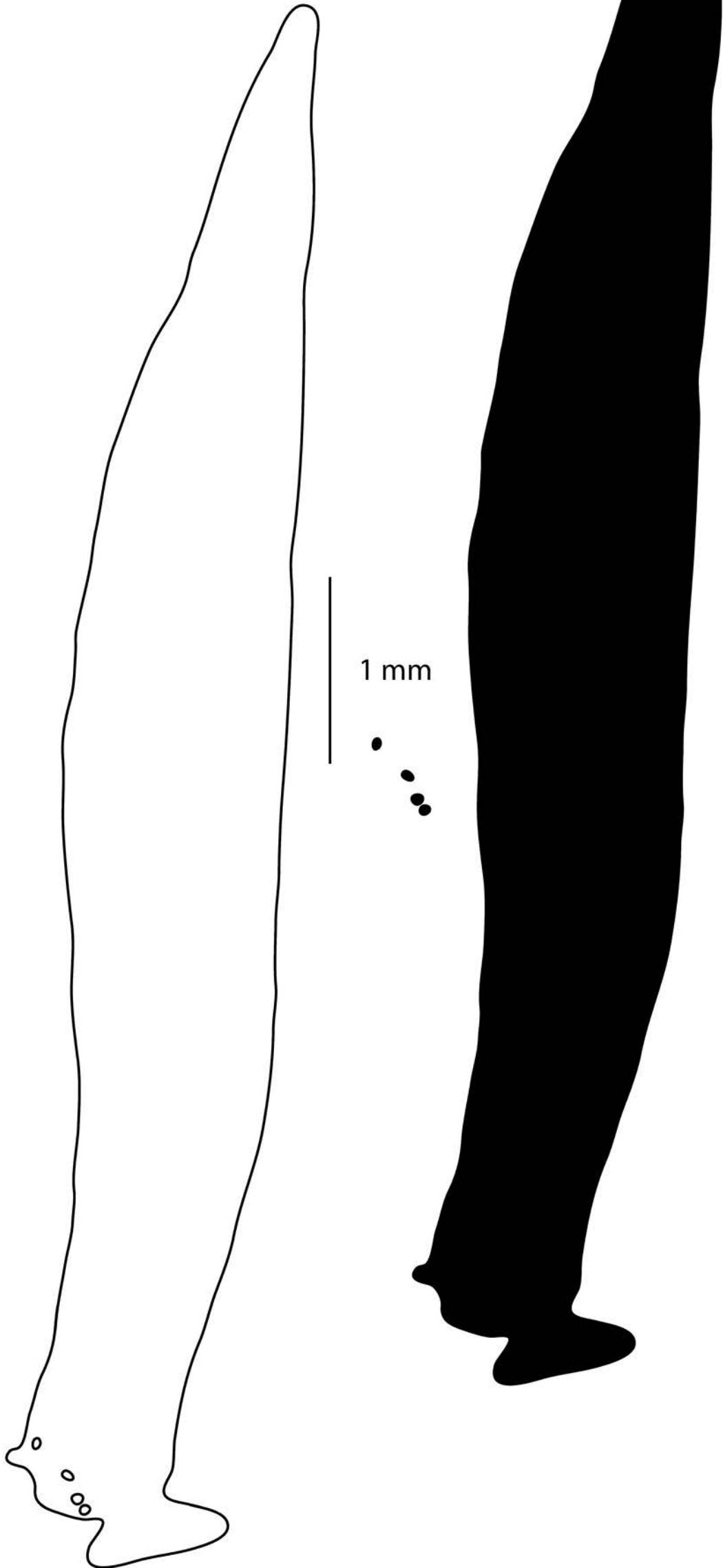
Species: *Protomicrocotyle nayaritensis* Bravo-Hollis, 1979

Body Surface: 7,317,320

Clamp Surface: 13,238

Ratio: 0.18

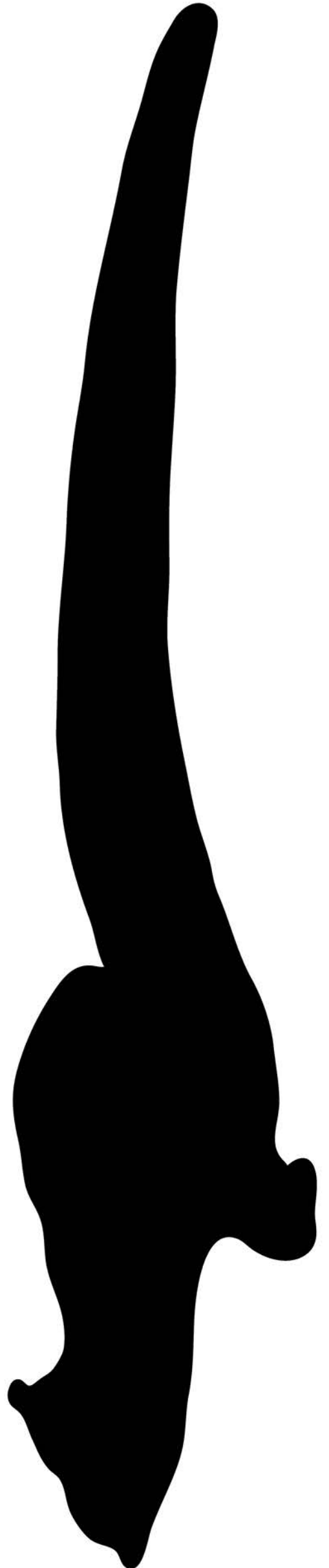
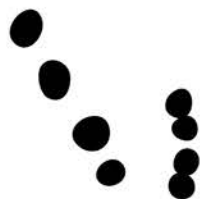
Reference: Bravo Hollis, 1979, p. 190



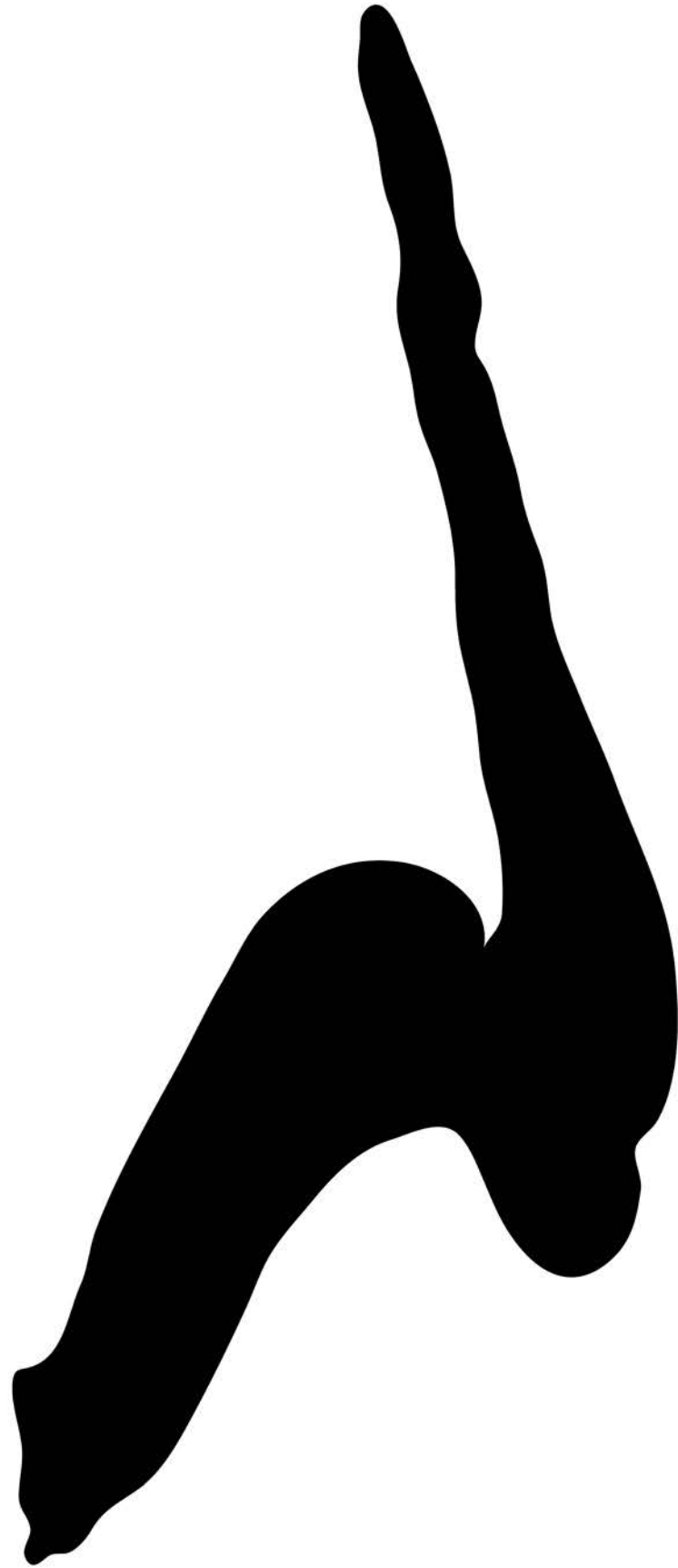
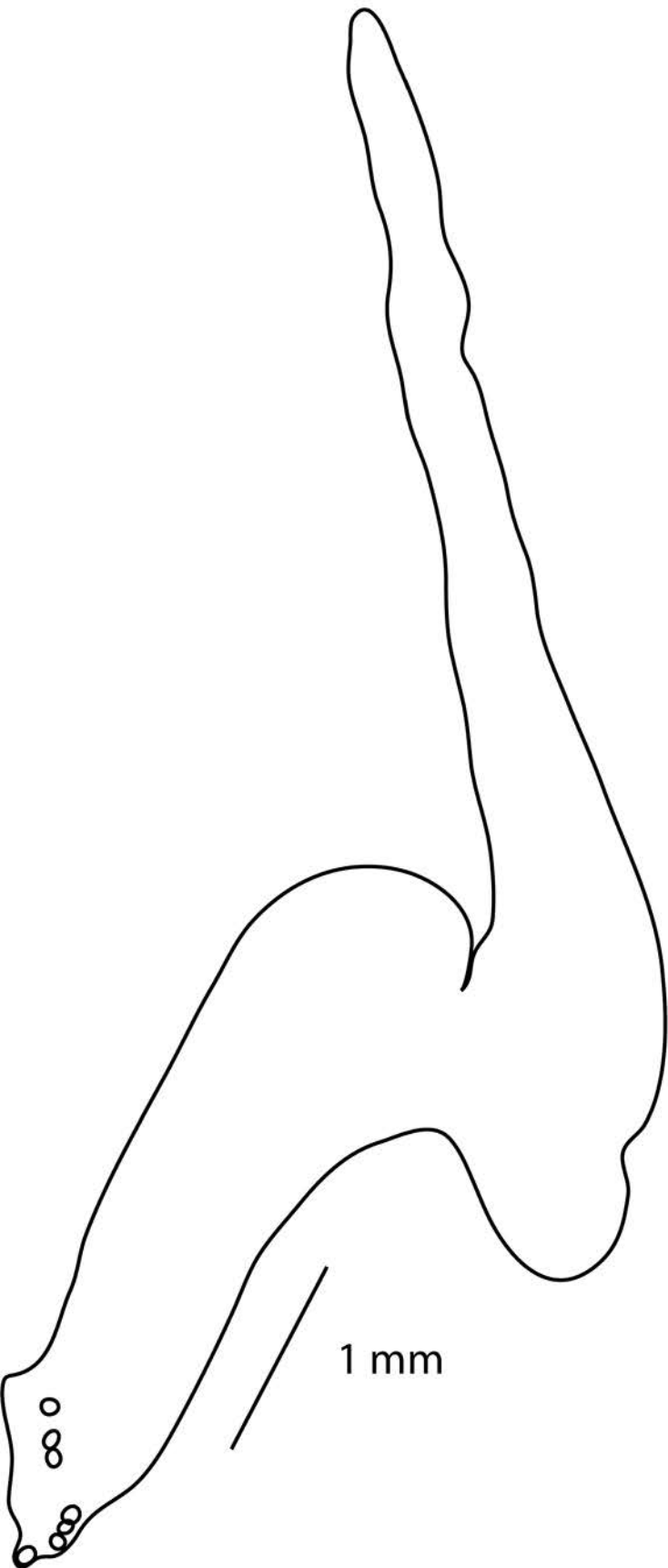
Family: Protomicrocotylidae
Species: *Vallisiopsis contorta* Subhadrappa, 1951
Body Surface: 29,848
Clamp Surface: 281
Ratio: 0.94
Reference: Lebedev, 1986, p. 17



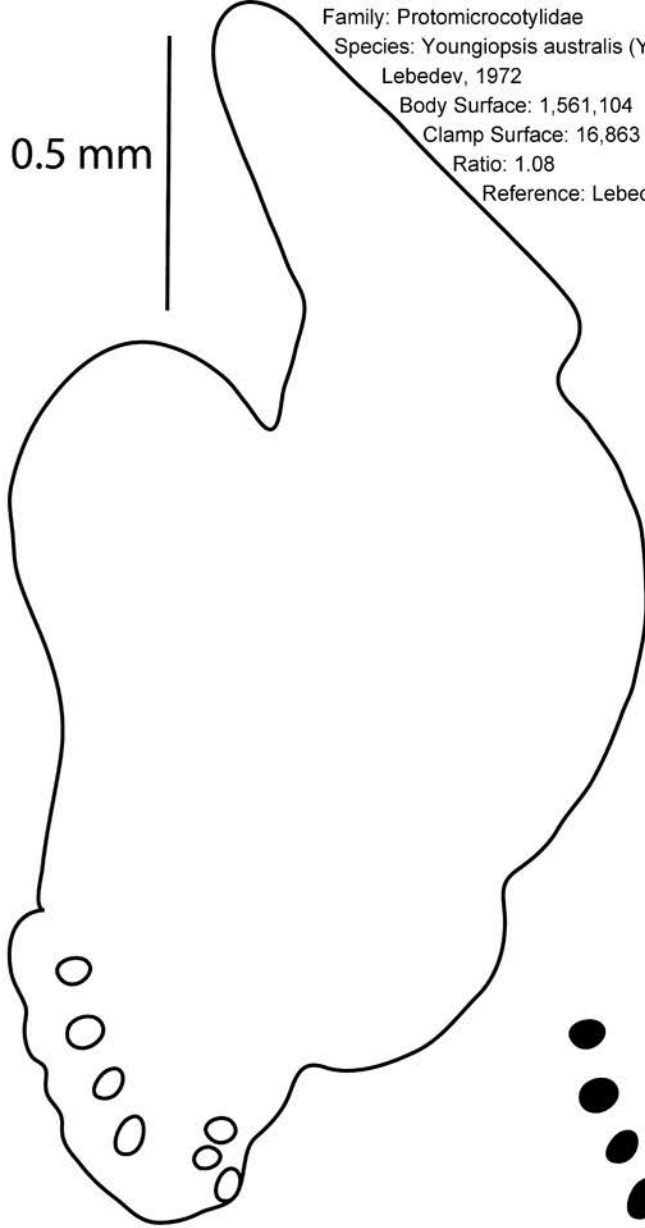
0.1 mm



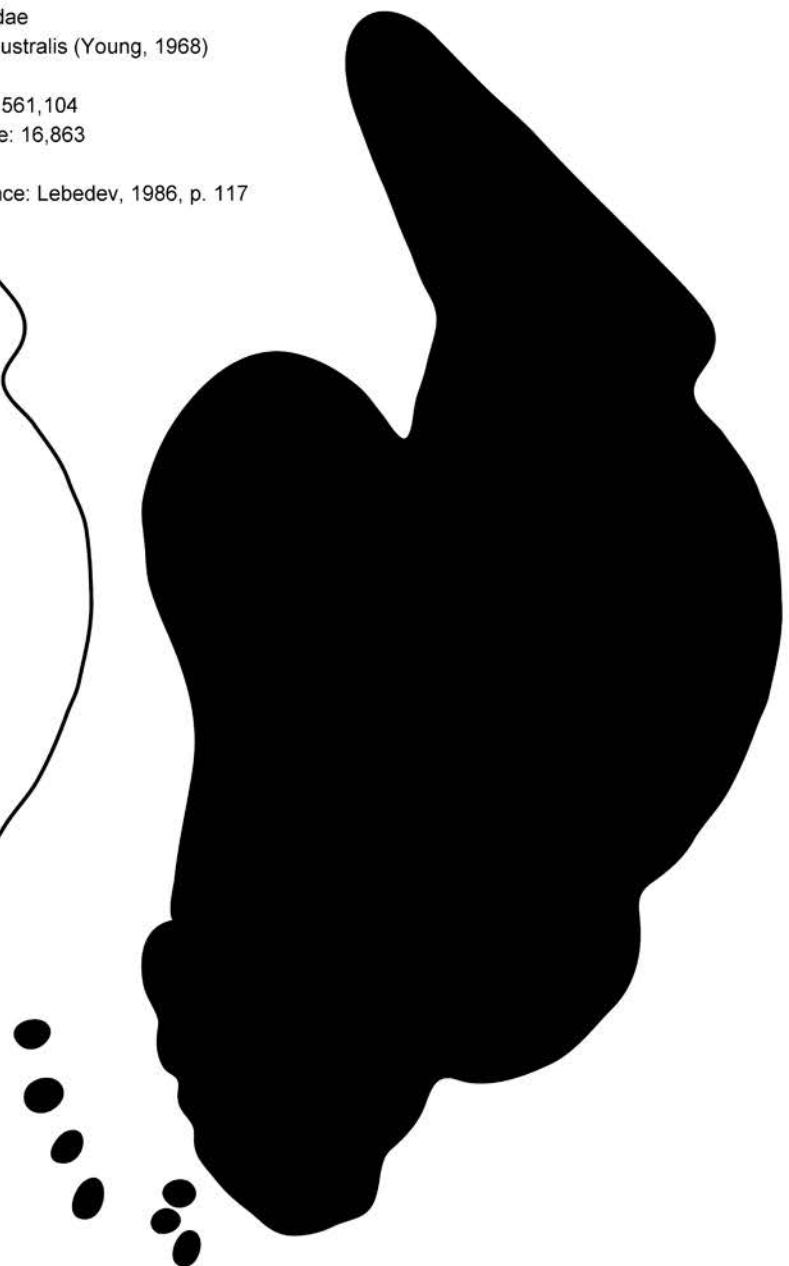
Family: Protomicrocotylidae
Species: *Vallisiopsis sphyraenae* Yamaguti, 1968
Body Surface: 6,746,717
Clamp Surface: 48,813
Ratio: 0.72
Reference: Yamaguti, 1968, p. 251



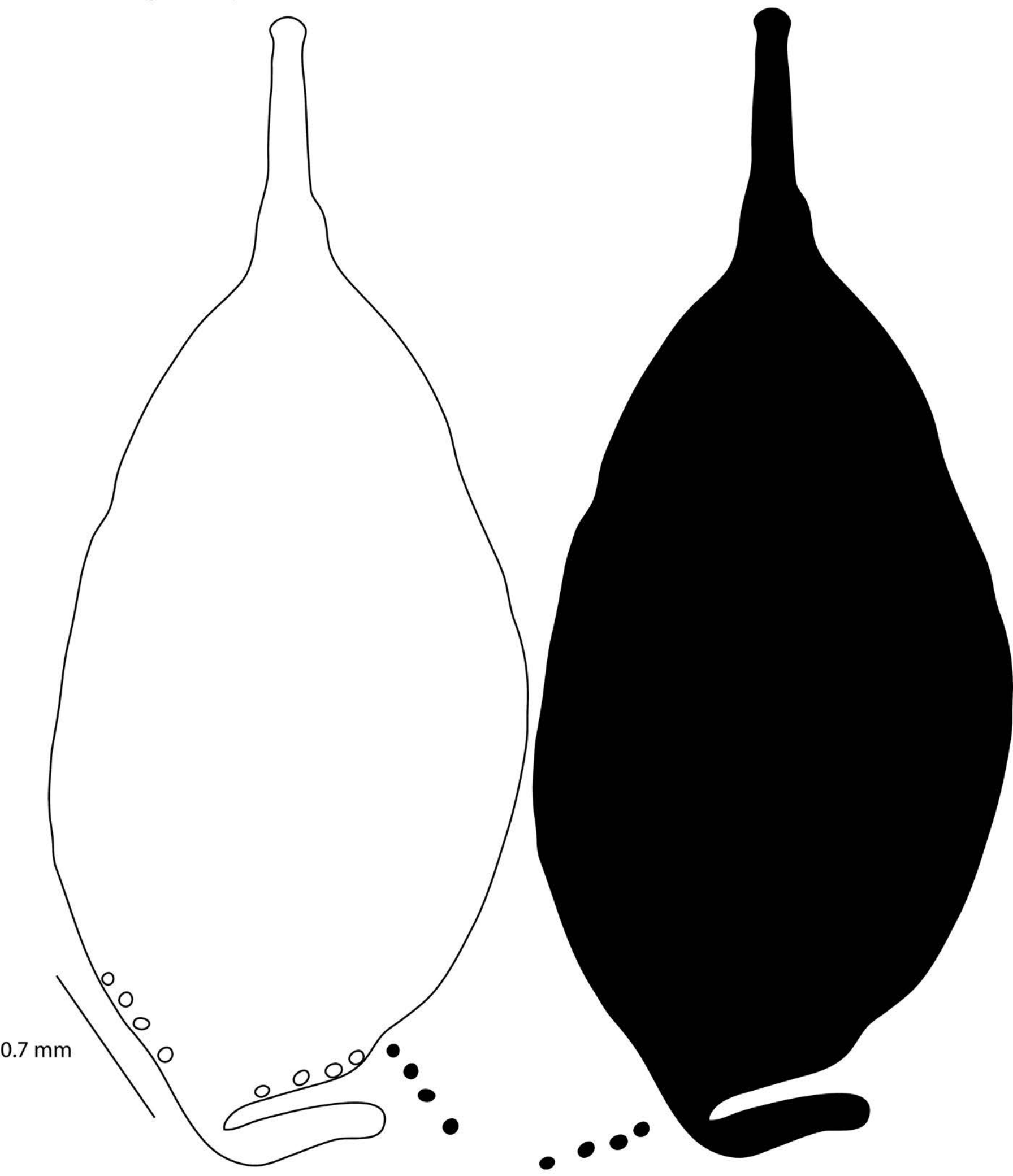
0.5 mm



Family: Protomicrocotylidae
Species: *Youngiopsis australis* (Young, 1968)
Lebedev, 1972
Body Surface: 1,561,104
Clamp Surface: 16,863
Ratio: 1.08
Reference: Lebedev, 1986, p. 117



Family: Pseudoclidophoridae
Species: *Allopseudoclidophora opelu* Yamaguti, 1965
Body Surface: 5,244,324 ; Clamp Surface: 20,471
Ratio: 0.39
Reference: Yamaguti, 1965, p. 73



Family: Pseudodictyophoridae

Species: *Gephyrocotyle ixoracorona*

Unnithan, 1966

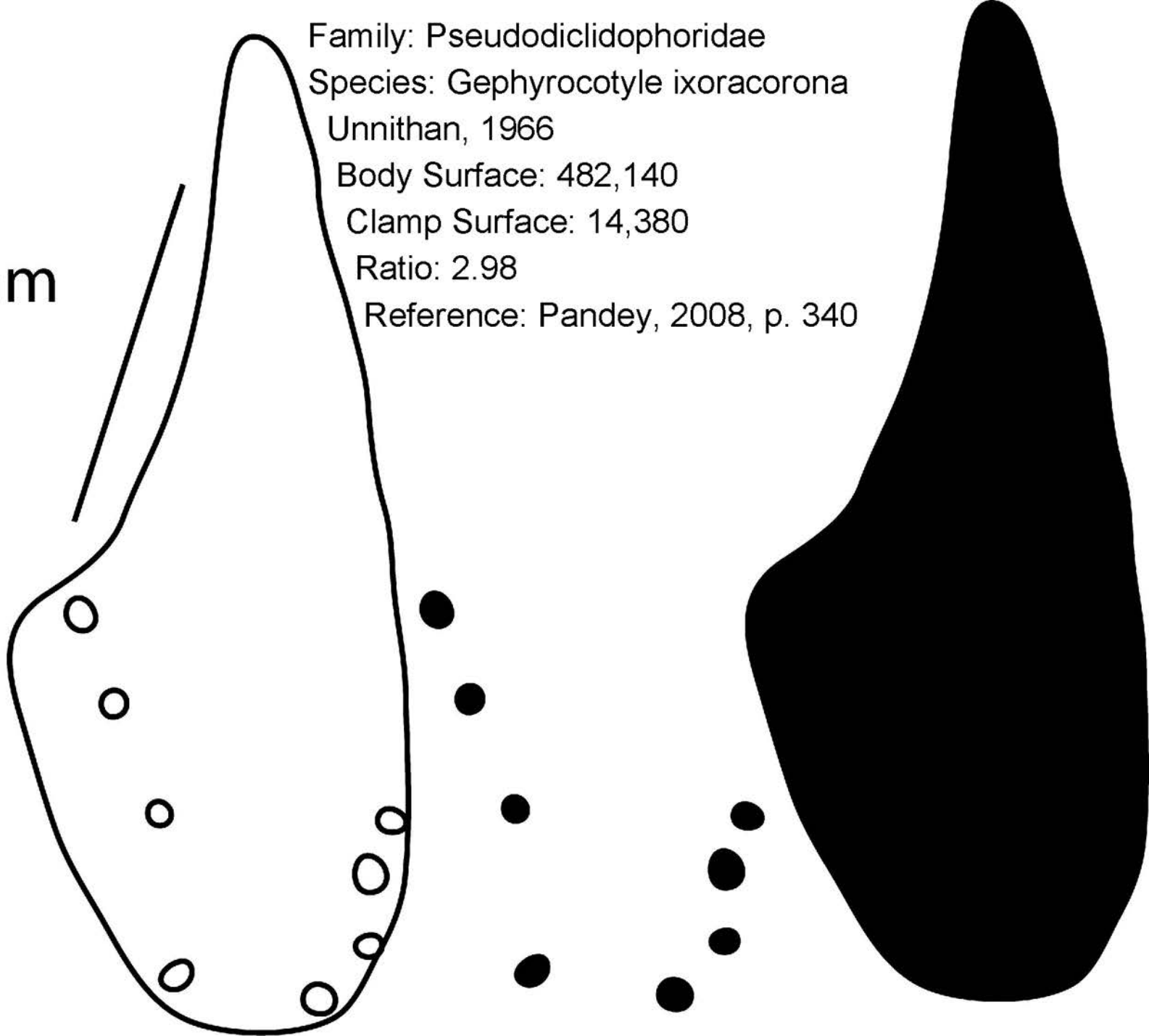
Body Surface: 482,140

Clamp Surface: 14,380

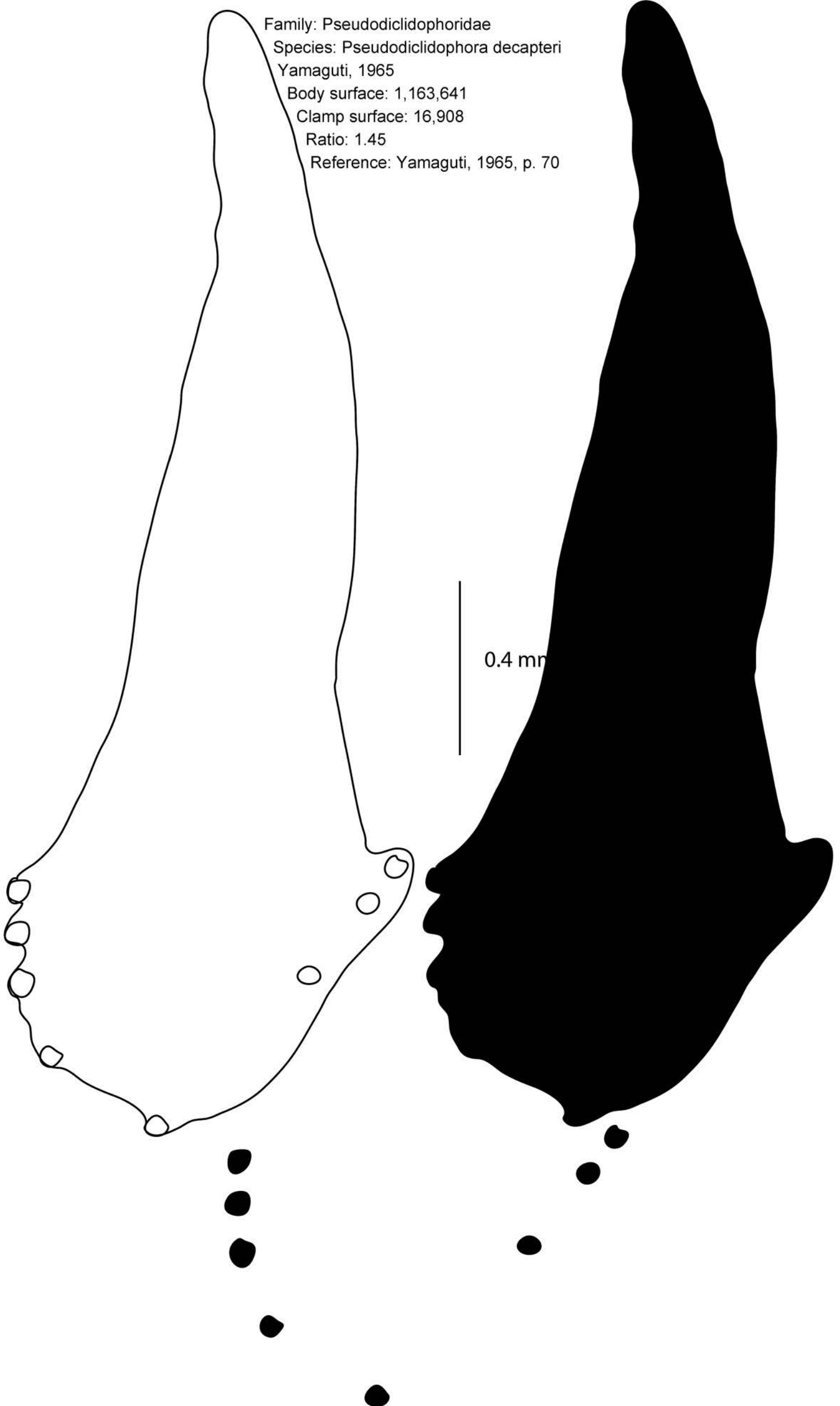
Ratio: 2.98

Reference: Pandey, 2008, p. 340

0.5 mm



Family: Pseudodiclidophoridae
Species: Pseudodiclidophora decapteri
Yamaguti, 1965
Body surface: 1,163,641
Clamp surface: 16,908
Ratio: 1.45
Reference: Yamaguti, 1965, p. 70



Family: Pseudoclidophoridae

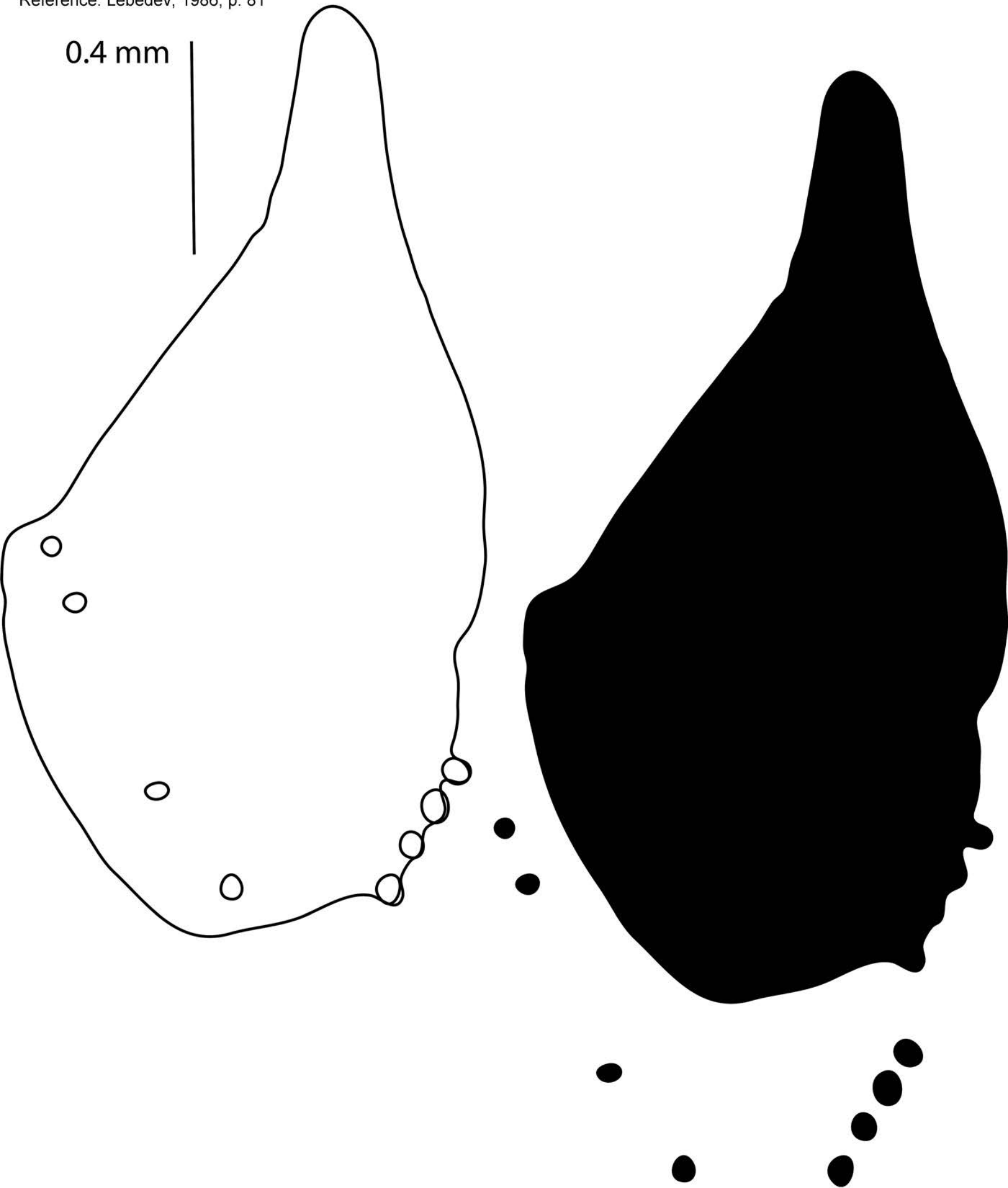
Species: *Quilonella ventrosa* Lebedev & Parukhin, 1970

Body Surface: 954,583; Clamp Surface: 13,250

Ratio: 1.39

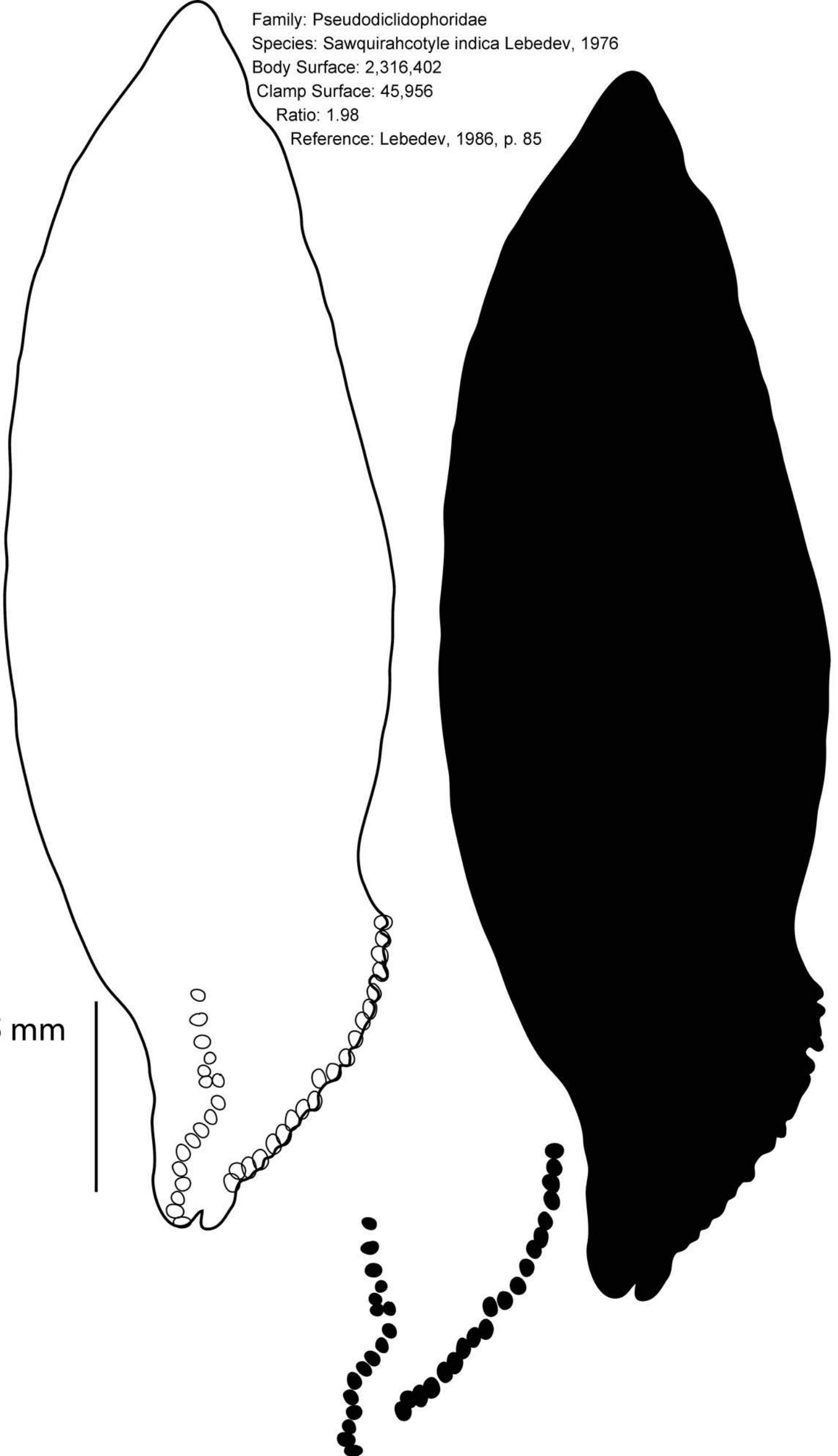
Reference: Lebedev, 1986, p. 81

0.4 mm



Family: Pseudoclidophoridae
Species: *Sawquirahcotyle indica* Lebedev, 1976
Body Surface: 2,316,402
Clamp Surface: 45,956
Ratio: 1.98
Reference: Lebedev, 1986, p. 85

0.5 mm



Family: Pseudodidolophoridae

Species: *Winkenthughesia australis* Robinson, 1961

Body Surface: 8,558,914

Clamp Surface: 244,842

Ratio: 2.86

Reference: Robinson, 1961, p. 261

1 mm

