

Key to the Genera of Ampeliscidae and Species of Ampelisca from the North East Pacific

- 1) Head as long as deep; basal lobe of pereopod 7 not expanded distally, posterior margin nearly vertical.....*Haploops*
- Head longer than deep; basal lobe of pereopod 7 expanded distally, posterior margin oblique.....2

- 2) Anteroventral corner of head excavate for insertion of antenna 2; dactyls of pereopods 5-6 simple; pereopod 7 anterior edge of posteroventral lobe on article 2 bearing setae near junction with article 3; dactyl of pereopod 7 spine-like*Byblis*
- Anteroventral corner of head not excavate; dactyls of pereopods 5-6 hook-like; pereopod 7 anterior edge of posteroventral lobe on article 2 lacking setae near junction with article 3; dactyl of pereopod 7 broad at base, not spine-like..... (*Ampelisca*).....3

- 3) Epimeron 3 with an acute tooth (may be small) on lower posterior corner.....4
- Epimeron 3 with blunt/rounded tooth or no tooth on lower posterior corner21

- 4) Pereopod 7, article 5 with notch on anterior margin.....5
- Pereopod 7, article 5 without notch on anterior margin.....9

- 5) Corneal lenses absent.....6
- Corneal lenses present.....7

- 6) Antenna 1 with article 2 three times as long as article 1.....*Ampelisca eoa*
 - Antenna 1 with article 2 subequal or just slightly longer than article 1.....*Ampelisca coeca*

- 7) Pereopod 7, article 4 posterior lobe short, not extending full length of article 5; article 5 subequal in length but broader than article 6; epimeron sideplate 2 with a slightly produced tooth on the posterior corner.....*Ampelisca eschrichti*
 - Pereopod 7, article 4 posterior lobe long, extending full length or longer than article 5; article 5 shorter (roughly half the length) but not broader than article 6; epimeron sideplate 2 lacking tooth on the posterior corner..... 8

- 8) Preopod 7, article 6 broad (width approx 2/3 length); minute posterior tooth on epimeron 3.....*Ampelisca indentata*
 - Pereopod 7, article 6 slender (width approx 1/2 length); prominent posterior tooth on epimeron 3.....*Ampelisca pugetica*

- 9) Uropod 3 rami broadly rounded (not lanceolate) distally.....*Ampelisca pacifica*
 - Uropod 3 rami pointed (lanceolate) distally.....10

- 10) Uropod 2, outer ramus without long subapical spine.....11
 - Uropod 2, outer ramus with long subapical spine.....13

- 11) Corneal lenses absent.....*Ampelisca amblyopsoides*
 - Corneal lenses present... ..12

- 12) Epimeron 3 with a weak tooth.....*Ampelisca shoemakeri*
 - Epimeron 3 with a strong tooth.....*Ampelisca hancocki*

- 13) Pereopod 7, article 4 posterior lobe long, extending full length of article 5.....*Ampelisca mexicana*
 - Pereopod 7, article 4 posterior lobe short, not extending full length of article 5.....14

14) Dorsal carina of urosomite 1 strongly produced, tall thin crest (laminar), completely rounded; females with double dorsal carina on pleonite 3, males with single, strong dorsal carina on pleonite 315

- Dorsal carina of urosomite 1 slightly produced, short thick crest (not laminar), tapering up to become distally acute; pleonite 3 without dorsal carina in both males and females17

15) Dorsal edge of carina on urosomite 1 not cleft..... 16

- Dorsal edge of carina on urosomite 1 strongly cleft.....*Ampelisca cristoides*

16) Epimeron 3 with prominent posterior tooth; postero-ventral margin of epimeron 2 generally bearing distinct tooth, sometimes quadrate corner*Ampelisca cristata cristata*

- Epimeron 3 with minute posterior tooth; postero-ventral margin of epimeron 2 completely rounded....
.....*Ampelisca cristata microdentata*

17) Telson apex ~~wide and deeply notched with inserted spine~~ (uncinate); ~~frontal lobe of head not produced~~.....18

define
↓
hooked

- Telson apex ~~narrow and pointed (or very slightly notched) with spine~~ (lanceolate); ~~frontal lobe of head produced forward~~.....20

define
↓

Def.
↓
wide

18) ~~Corneal lenses usually absent~~; head not produced into dome-shaped process above antenna 1.....
.....*Ampelisca unsocatae*

define to recessed
Telson w/ forked
telson

- Corneal lenses present; head produced anteriorly into dome-shaped process above antenna 1.....19

define to recessed
recessed

19) Lower front corner of head nearly straight; telson spines arranged in medial row
.....*Ampelisca macrocephala*

- Lower front corner of head distinctly concave; telson spines not arranged in medial row
.....*Ampelisca careyi*

20) Epimeron 2 with acute tooth on postero-distal corner; pereopod 7, upper most posterior margin of basis with multiple spines (4-8 in adults; 1-2 in juveniles).....*Ampelisca brevisimulata*

- Epimeron 2 without acute tooth, postero-distal corner rounded; pereopod 7, upper most posterior margin of basis without spines or very few (1-2 in adults; 0 in juveniles).....

.....*Ampelisca* ~~cf.~~ *brevisimulata*
cf

21) Uropod 1 outer ramus twice the length of inner ramus.....*Ampelisca brachycladus*
 - Uropod 1 outer and inner rami subequal.....22

22) Pereopod 7, article 5 with spine bearing notch on anterior margin23
 (maybe very small)
 - Pereopod 7, article 5 without spine bearing notch on anterior margin.....27

23) Uropod 3 rami pointed (lanceolate) distally.....24
 - Uropod 3 rami notched with inserted spine (uncinate) distally.....25

24) Uropod 2 lacking long subapical spine on outer ramus.....*Ampelisca agassizi*
 - Uropod 2 with long subapical spine on outer ramus.....*Ampelisca venetiensis*

25) Pereopod 7, article 4 posterior lobe long, extending full length of article 5; article 4 longer than article 5; article 5 shorter and broader than article 6.....*Ampelisca fageri*
 - Pereopod 7, article 4 posterior lobe short, not extending full length of article 5; article 4 subequal to or shorter than article 5; article 5 subequal to article 6.....26

26) Pereopod 7, article 4 subequal to article 5; antennae 1, segment 1 subequal to segment 2.....
*Ampelisca schellenbergi*
 - Pereopod 7, article 4 shorter than article 5; antennae 1, segment 1 shorter than segment 2.....
*Ampelisca romigi*

27) Corneal lenses absent.....28
 - Corneal lenses present.....29

28) Pereopod 7, basal lobe short, not extending the length of article 3; P7, article 5 longer than article 6; uropod 1 reaching beyond mid length of uropod 2 rami*Ampelisca plumosa*
 - Pereopod 7, basal lobe long, extending well beyond the length of article 3; P7, article 5 subequal to article 6; uropod 1 not reaching beyond mid length of uropod 2 rami*Ampelisca furcigera*

- 29) Uropod 3 rami notched with inserted spine distally30
 - Uropod 3 rami pointed (lanceolate) distally31

- 30) Uropod 2, outer ramus without long subapical spine.....*Ampelisca hessleri*
 - Uropod 2, outer ramus with long subapical spine.....*Ampelisca birulae*

- 31) Epimeron 3 with blunt tooth postero-distally; pereopod 7, article 3 twice as long as article 4.....
 -*Ampelisca milleri*
 - Epimeron 3 with rounded corner postero-distally, pereopod 7, article 3 subequal or shorter than article 4.....32

- 32) Apex of telson deeply notched with inserted spine*Ampelisca lobata*
 - Apex of telson pointed (lanceolate).....*Ampelisca abdita*