

**Supplementary material to the following paper
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**An account of bacterial-induced luminescence in the Ponto-Caspian amphipod *Pontogammarus maeoticus*
(Sowinsky, 1894), with an overview of amphipod bioluminescence**

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Table S1. Amphipod species known to produce bioluminescence, their higher taxonomy, ecology and type of bioluminescence.

Species	Infraorder	Family	Cause	Ecology	Reference
<i>Gammarus aequicauda</i> (Martynov, 1931)	Gammarida	Gammaridae	Unknown	Brackish	(Petrus 1993)
<i>Pontogammarus maeoticus</i> (Sowinsky, 1894)	Gammarida	Gammaridae/ Pontogammaridae	Presumably bacteriogenic	Brackish	This study
<i>Metacyphocaris helgae</i> Tattersall, 1906	Lysianassida	Cebocaridae	Autogenic	Marine	(Herring 1981)
<i>Cyphocaris anonyx</i> Boeck, 1871	Lysianassida	Cyphocarididae	Autogenic	Marine	(Herring 1981)
<i>Cyphocaris challengerii</i> Stebbing, 1888	Lysianassida	Cyphocarididae	Autogenic	Marine	(Bowman 1967)
<i>Cyphocaris faurei</i> K.H. Barnard, 1916	Lysianassida	Cyphocarididae	Autogenic	Marine	(Bowlby <i>et al.</i> 1991)
<i>Cyphocaris richardi</i> Chevreux, 1905	Lysianassida	Cyphocarididae	Autogenic	Marine	(Herring 1981)
<i>Chevreuxiella metopoides</i> Stephensen, 1915	Lysianassida	Thoriellidae	Autogenic	Marine	(Herring 1981)
<i>Danaella mimonectes</i> Stephensen, 1925	Lysianassida	Thoriellidae	Autogenic	Marine	(Herring 1981)
<i>Thoriella islandica</i> Stephensen, 1915	Lysianassida	Thoriellidae	Autogenic	Marine	(Herring 1981)
<i>Parapronoe crustulum</i> Claus, 1879	Physocephalata	Eupronoidea	Autogenic	Marine	(Bowman 1967)
<i>Megalanceola stephenseni</i> (Chevreux, 1920)	Physosomata	Megalanceolidae	Autogenic	Marine	(Herring 1981)
<i>Mimonectes loveni</i> Bovallius, 1885	Physosomata	Mimonectidae	Autogenic	Marine	(Herring 1981)
<i>Acanthoscina acanthodes</i> (Stebbing, 1895)	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Ctenoscina macrocarpa</i> (Chevreux, 1905)	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina borealis</i> (Sars, 1882)	Physosomata	Scinidae	Autogenic	Marine	(Bowlby <i>et al.</i> 1991; Herring 1967)
<i>Scina crassicornis</i> (Fabricius, 1775)	Physosomata	Scinidae	Autogenic	Marine	(Bowlby <i>et al.</i> 1991; Herring 1967)
<i>Scina curvidactyla</i> Chevreux, 1914	Physosomata	Scinidae	Autogenic	Marine	(Herring 1967)
<i>Scina incerta</i> Chevreux, 1900	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina langhansi</i> Wagler, 1926	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina lepisma</i> Chun, 1889	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina marginata</i> (Bovallius, 1885)	Physosomata	Scinidae	Autogenic	Marine	(Herring 1967)
<i>Scina oedicarpus</i> Stebbing, 1895	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina rattrayi</i> Stebbing, 1895	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina similis</i> Stebbing, 1895	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina spinosa</i> Vosseler, 1901	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina stebbingi</i> Chevreux, 1919	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina stenopus</i> Stebbing, 1895	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina submarginata</i> Tattersall, 1906	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina tullbergi</i> (Bovallius, 1885)	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina uncipes</i> Stebbing, 1895	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina vosseleri</i> Tattersall, 1906	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Scina wolterecki</i> Wagler, 1926	Physosomata	Scinidae	Autogenic	Marine	(Herring 1981)
<i>Hyalella azteca</i> (Saussure, 1858)	Talitrida	Hyalellidae	Bacteriogenic	Freshwater	(Bowman & Phillips 1984)
<i>Americorchestia longicornis</i> (Say, 1818)	Talitrida	Talitridae	Bacteriogenic	Marine, semiterrestrial	(Inman 1927)
<i>Orchestia gammarellus</i> (Pallas, 1766)	Talitrida	Talitridae	Unknown	Marine, semiterrestrial	(Van Vollenhoven 1860)
<i>Orchesoidea gracilis</i> Bousfield and Klawe 1963	Talitrida	Talitridae	Bacteriogenic	Marine, semiterrestrial	(Bousfield & Klawe 1963)
<i>Platorchestia platensis</i> (Krøyer, 1845)	Talitrida	Talitridae	Bacteriogenic	Marine, semiterrestrial	(Inman 1927)
<i>Talitrus</i> sp.	Talitrida	Talitridae	Bacteriogenic	Marine, semiterrestrial	(Giard 1889)

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