

Table S1. Sponge species found in Aegean caves during the present work.

SPECIES	CAVE ZONES	CAVES EXPLORED & PREVIOUS REFERENCES
<i>Aaptos aaptos</i> (Schmidt, 1864)	CE, SD	2, 4
<i>Acanthella acuta</i> Schmidt, 1862	CE, SD	1, 2, 3, 4, 5, 6, Voultsiadou (2005b)
<i>Agelas oroides</i> (Schmidt, 1864)	CE, SD, D	1, 2, 3, 4, 5, 6, 7, 8, 9, Voultsiadou (2005b)
<i>Aplysilla rosea</i> (Barrois, 1876)	CE, SD, D	1, 2, 5, 8
<i>Aplysina aerophoba</i> Nardo, 1843	CE, SD, D	4
<i>Axinella cannabina</i> (Esper, 1794)	SD	3
<i>Axinella damicornis</i> (Esper, 1794)	CE, SD	1, 3, 4, 5, 6, 8 Voultsiadou (2005b)
<i>Axinella</i> sp.	SD	3, 4
<i>Axinella verrucosa</i> (Esper, 1794)	SD	1, 3, 8, Voultsiadou (1986)
<i>Bubaris</i> sp.	D	3
<i>Cacospongia mollior</i> Schmidt, 1862	SD	2
<i>Chondrosia reniformis</i> Nardo, 1847	CE, SD, D	1, 2, 3, 4, 5, 6, 7, 9
<i>Cliona celata</i> Grant, 1826	CE	3, Voultsiadou (1986)
<i>Cliona schmidti</i> (Ridley, 1881)	CE, SD	1, 3, 4, 5
<i>Coscinoderma sporadense</i> Voultsiadou-Koukoura <i>et al.</i> , 1991	SD	3, 4, Voultsiadou-Koukoura <i>et al.</i> (1991)
<i>Crambe crambe</i> (Schmidt, 1862)	CE	2, 6, Voultsiadou (1986)
<i>Dendrilla</i> sp.	SD, D	3, 4
<i>Dendroxea lenis</i> (Topsent, 1892)	SD	4
<i>Dictyonella incisa</i> (Schmidt, 1880)	SD, D	1, 2, 3, 4
<i>Dictyonella obtusa</i> (Schmidt, 1862)	D	4
<i>Diplastrella bistellata</i> (Schmidt, 1862)	D	3, Voultsiadou (2005b)
<i>Dysidea avara</i> (Schmidt, 1862)	CE, SD	3
<i>Dysidea fragilis</i> (Montagu, 1818)	SD	3
<i>Erylus euastrum</i> (Schmidt, 1868)	CE, SD, D	3, 4, Voultsiadou (2005b)
<i>Eurypon</i> sp.	D	4
<i>Eurypon clavatum</i> (Bowerbank, 1866)	D	3
<i>Fasciospongia cavernosa</i> (Schmidt, 1862)	CE, SD	1, 5, 8, Voultsiadou-Koukoura & Koukouras (1993)
<i>Geodia cydonium</i> (Jameson, 1811)	SD	2, Pulitzer-Finali (1983)
<i>Halichondria</i> sp.1	SD	4
<i>Halichondria</i> sp.2	CE	2
<i>Halichondrida</i> sp.	SD, D	3, 4
* <i>Haliclona</i> (<i>Gellius</i>) <i>microsigma</i> (Babic, 1922)	D	3
<i>Haliclona</i> (<i>Halichoelona</i>) <i>fulva</i> (Topsent, 1893)	D	3, 8
* <i>Haliclona</i> (<i>Halichoelona</i>) <i>perlucida</i> (Griessinger, 1971)	SD	3
<i>Haliclona</i> (<i>Soestella</i>) <i>mucosa</i> (Griessinger, 1971)	CE, SD, D	1, 3, 4, 7
<i>Haliclona</i> sp.1	SD, D	1
<i>Haliclona</i> sp.2	SD	3
<i>Haliclona</i> sp.3	D	3
<i>Haliclona</i> sp.4	SD, D	1, 3
<i>Haliclona</i> sp.5	SD, D	1
** <i>Hexadella pruvoti</i> Topsent, 1896	CE, SD, D	3, 4, 6
* <i>Hexadella racovitzai</i> Topsent, 1896	CE, SD, D	3, 4
<i>Hyrtios collectrix</i> (Schulze, 1880)	CE	3
<i>Ircinia oros</i> (Schmidt, 1864)	CE, SD	1, 2, 3, 5, 6, 7, 9
<i>Ircinia paucifilamentosa</i> Vacelet, 1961	CE, SD, D	1, 3, 4, Vacelet (1961)
<i>Ircinia variabilis</i> (Schmidt, 1862)	CE, SD	1, 2, 3, 6, 8, Pulitzer-Finali & Pronzato (1981)
<i>Jaspis johnstoni</i> (Schmidt, 1862)	SD, D	1, 2, 3, 4, 5, 6, Voultsiadou 2005b
<i>Jaspis</i> sp.	D	4
<i>Lithistida</i> sp.	SD, D	1
<i>Myrmekioderma spelaeum</i> (Pulitzer-Finali, 1983)	SD, D	1, 6, 7, Voultsiadou & Vafidis (2004)
<i>Oceanapia</i> sp.	SD	3
* <i>Oscarella balibalo</i> Pérez <i>et al.</i> , 2011	CE, SD, D	3, 4
* <i>Oscarella microlobata</i> Muricy <i>et al.</i> , 1996	D	3
** <i>Oscarella tuberculata</i> (Schmidt, 1868)	SD	4
<i>Penares helleri</i> (Schmidt, 1864)	SD	3, Voultsiadou (2005b)
<i>Petrosia</i> (<i>Petrosia</i>) <i>ficiformis</i> (Poiret, 1789)	CE, SD, D	1, 2, 3, 6, 8, Jones <i>et al.</i> (1968)

<i>Petrosia (Strongylophora) vansoesti</i> Boury-Esnault <i>et al.</i> , 1994	SD, D	1, Voultziadou & Vafidis (2004)
<i>Phorbas tenacior</i> (Topsent, 1925)	CE, SD	1, 2, 3, 4, 5, 6, 7, 8, 9, Pulitzer-Finali (1983)
<i>Phorbas topsenti</i> Vacelet & Perez, 2008	CE, SD	5
* <i>Plakina bowerbankii</i> (Sarà, 1960)	SD, D	3, 4
<i>Plakina monolopha</i> Schulze, 1880	SD, D	4, Voultziadou 2005b
<i>Plakina</i> sp.	SD, D	3, 4
<i>Plakina trilopha</i> Schulze, 1880	SD, D	4
Plakinidae sp.	D	3
<i>Pleraplysilla spinifera</i> (Schulze, 1879)	CE, SD	3, 4, 9
* <i>Protosuberites rugosus</i> (Topsent, 1893)	D	3
* <i>Pseudocorticium jarrei</i> Boury-Esnault <i>et al.</i> , 1995	SD, D	3, 4
<i>Sarcotragus foetidus</i> Schmidt, 1862	CE, SD, D	1, 3, 4, Voultziadou (2005a)
<i>Sarcotragus spinosulus</i> Schmidt, 1862	SD	2
<i>Spirastrella cunctatrix</i> Schmidt, 1868	CE, SD, D	1, 2, 3, 4, 5, 6, 7, 8, 9, Jones <i>et al.</i> (1968)
<i>Spongia (Spongia) nitens</i> (Schmidt, 1862)	SD	3, 4
<i>Spongia officinalis</i> Linnaeus, 1759	CE, SD	1, 2, 3
<i>Spongia (Spongia) virgultosa</i> (Schmidt, 1868)	SD, D	4
<i>Spongionella pulchella</i> (Sowerby, 1804)	SD	3
<i>Spongosorites</i> sp.	CE, SD	3
<i>Terpios gelatinosa</i> (Bowerbank, 1866)	CE, SD, D	1, 2, 5, 8
** <i>Thymosiopsis cuticulatus</i> Vacelet & Perez, 1998	SD, D	1, 3, 5, 6, 7
<i>Timea geministellata</i> Pulitzer-Finali, 1978	SD	2
<i>Timea</i> sp.	D	4
<i>Timea unistellata</i> (Topsent, 1892)	SD, D	4

* New records for the sponge fauna of the Aegean Sea.

** New records for the Eastern Mediterranean.

Caves explored: 1-Trypia Spilia, 2-Ftelio, 3-Fará, 4-Agios Vasilios, 5-Madhes, 6-Alykes, 7-Stavros, 8-Andros, 9-Vouliagmeni. Indicative referents are given where available.

Cave zones: CE, cave entrance; SD, semi-dark zone; D, dark zone.