

Superfamily *Thamnasterioidea* REUSS, 1864

Description. Solitary and colonial (astreoid, cerioid, plocoid, reptoid, and thamnasterioid) corals. Septa almost not perforated. Normal septal thickness, septal symmetry regular radial or irregular, septa often and regularly connected to each other. Upper septal border and lateral faces with granulations. No lonsdaleoid septa, no main septum. Microstructure of medium-sized trabeculae. Synapticulae present. Pali absent. Columella present, styliform or by septal fusion. Endotheca present. Marginarium absent. Wall absent or present. Coenosteum depending on the colony type. Budding extracalcinal.

Family *Siderastraeidae* VAUGHAN & WELLS, 1943

Description. Astreoid, cerioid, plocoid, reptoid, and thamnasterioid colonies. The symmetry is regular or subregular radial in varying systems, or irregular. The columella is formed by septal fusion.

*Eosiderastrea* LÖSER, 2016

Type species. *Siderastrea cuyleri* WELLS, 1932.

Description. Astreoid colony with large corallites (approximately 10 mm). The symmetry of septa is irregularly radial but the symmetry axes are difficult to decipher. The septa are regularly connected to each other; in the corallite centre they are connected to form the columella.

Distribution. U.VAL-SAN.

Septal symmetry	Septal cycles	Small corallite diameter	Species
7	4	7.4 mm	<i>E. sp.</i>
10	4	8.3 - 9.6 mm	<i>E. glomerata</i>
		11 - 12 mm	<i>E. cf. glomerata</i>

Fig. 43. Species of the genus *Eosiderastrea*.

*Eosiderastrea glomerata* (REUSS, 1854)

(Fig. 45 in the book edition)

Determination. Type material.

*Eosiderastrea cf. glomerata* (REUSS, 1854)

(Fig. 46 in the book edition)

*Eosiderastrea* sp.

(Fig. 47 in the book edition)

*Palaeosiderofungia* LÖSER, 2016

Type species. *Thamnasteria exigua* REUSS, 1854.

Description. Thamnasterioid colony. The corallites are often arranged in rows. A septal symmetry does not exist.

Distribution. APT-SAN.

*Palaeosiderofungia exigua* (REUSS, 1854)

(Fig. 48 in the book edition)

Determination. Type material.