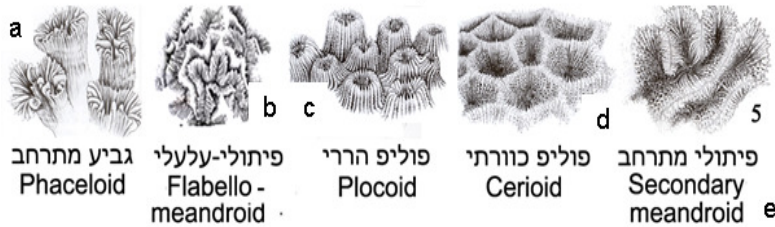


Key to expected Red Sea *Goniastrea* species (after Veron, 2000)*

*Presented here as general illustration. The student is advised to use original source (p. 447-459)



Credit: G. Kelly AIMS. איור X צורות של גביעי אלמוגי אבן.

Key to *Goniastrea* Species

Colony predominantly monocentric

-Corallites < 5 mm diameter

--Corallites minute (<2 mm)

--Corallites not minute

---Corallites walls rounded = *G. edwardsi*

---Corallites walls acute = *G. retiformis*

-Corallites >5 mm diameter

-- Corallites not irregular

---- Paliform lobes conspicuous

----- Corallites > 15 mm diameter = *G. palauensis**

----- Corallites < 15 mm diameter = *G. aspera***

---- Paliform lobes **not conspicuous**

----- Corallites aligned on colony periphery = *G. peresi*

Colony **predominantly meandroid**

-colony lobed and/or has branchlets = *G. pectinata*

-colony massive or encrusting

--colony **fully meandroid** = *G. australensis* ***

* Species does not live in the Red Sea (Veron, 2000)

** According to Veron, Pallial lobes in this species are well developed in colonies from turbid waters, but may be absent from colonies from exposed habitat (Veron, 2000)

*** Species reported from the **Red Sea** (Veron, 2000)

Family Faviidae

Key to Faviid Genera

Colonies phaceloid

-Corallite small (> 5 mm diameter) = *Caulastrea*

Colonies flabello-meandroid = *Erythrastrea*

-Colonies massive or derived from massive

--Budding intratentacular or meandroid

---Colonies plocoid

----Corallites not exert = *Favia*

-Corallites exert = *Favia*(=*Barbattoida*)

amicorum

Colonies cerioid to secondarily meandroid

-Paliform lobes present

--Paliform lobes not prominent = *Favites*

--Paliform lobes prominent

---Valleys < 10 mm across = *Goniastrea*

-Paliform lobes absent or weakly developed.

Paliform lobes spongy

----Ambulacral groove absent = *Platygyra*

--Paliform lobes wall-like = *Leptoria*

--Budding extratentacular

-Corallite small (< 4 mm diameter)

--Corallites crowded = *Cyphastrea*

--Corallites not crowded = *Plesiastrea*

-Corallites middle-sized

--Corallites plocoid

---Colonies submassive

----Septa do not alternate = *Montastrea*

--Corallites cerioid = *Leptastrea*

Corallites large, conspicuous

--Corallites plocoid = *Diploastrea*

--Corallites explanate to branching = *Echinopora*