

注释: Chevalier (1975) 指出: “*Leptastrea immersa* Klunzinger 和 *Leptastrea bottae* (Milne-Edwards and Haime) 相同”, 保存在柏林博物馆的 *L. immersa* Klunzinger 的模式标本是 2178 号, 与 Veron, Pichon 和 Wijsman-Best (1977, p. 155, figs. 298, 299) 很相似, 是本种的典型图片。由于种种原因, 过去标上本种种名的图片差别极大, 所以, Veron, Pichon 和 Wijsman-Best (1977) 的 figs. 300—302 由 Veron (1993) 恢复了 *Leptastrea inaequalis* Klunzinger, 澄清了过去的混乱。

紫小星珊瑚 *Leptastrea purpurea* (Dana) (图版 XL 图 1)

- Astraea purpurea*, Dana, 1846, p. 239, pl. 12, figs. 10, 10 a—c. (cited after Vaughan)
- Leptastrea purpurea* (Dana), Vaughan, 1918, *Dept. Mar. Bar. Biol. Pub. Carnegie Inst. Wash.*, **9**, p. 91, pl. 30, figs. 1, 1a, 2, 3, 3a; pl. 17, fig. 33.
- Leptastrea purpurea* (Dana), Hoffmeister, 1925, *Dept. Mar. Biol. Pub. Carnegie Inst. Wash.*, **22** (343), p. 20.
- Leptastrea purpurea* (Dana), Faustino, 1927, *Bur. Sci. Monog. Manila*, **22**, p. 119, pl. 19, figs. 1, 2; pl. 20, figs. 1, 2.
- Leptastrea purpurea* (Dana), Yabe, Sugiyama & Eguchi, 1936, *Sci. Rep. Tohoku Imp. Univ.*, **2nd Ser. (Geol.)**, Special 1, p. 26, pl. 48, figs. 5, 6, 7.
- Leptastrea purpurea* (Dana), Ma, 1937, *Mem. Nat. Inst. Acad. Sinica Zool.*, **1**, p. 53, pl. 4, fig. 6.
- Leptastrea purpurea* (Dana), Eguchi, 1938, *Palao Trop. Biol. Stat. Studies*, **1** (3), p. 343.
- Leptastrea purpurea* (Dana), Umbgrove, 1939, *Zool. Med. Mus. Leiden*, **22**, p. 26.
- Leptastrea purpurea* (Dana), Umbgrove, 1940, *Zool. Med. Mus. Leiden*, **22**, p. 277.
- Leptastrea purpurea* (Dana), Wells, 1950, *Bull. Raffles Mus.*, **22**, p. 48.
- Leptastrea purpurea* (Dana), Crossland, 1952, *Sci. Rep. Great Barrier Reef Exp.*, **6** (3), p. 115, pl. 1, fig. 5; pl. 3, fig. 3.
- Leptastrea purpurea* (Dana), Wells, 1954, *U. S. Geol. Sur. Prof., Paper 260 - I*, p. 463.
- Leptastrea purpurea* (Dana), Nemenzo, 1959, *Mat. Appl. Sci. Bull.*, **16** (1—4), p. 111.
- Leptastrea purpurea* (Dana), Ma, 1959, *Oceanog. Sinica*, Special 1, p. 61.
- Leptastrea purpurea* (Dana), Eguchi, 1968, Maruzen Co., Ltd. Tokyo, p. C25.
- Leptastrea purpurea* (Dana), Utinomi, 1971, *Pub. Seto Mar. Biol. Tab.*, **19** (4), p. 214.
- Leptastrea purpurea* (Dana), Chevalier, 1975, *Exp. Franc. Recifs Corall. Nouvelle Galedoie*, **7**, p. 37, pl. 2, figs. 3, 4; pl. 3, fig. 2; pl. 37, figs. 11, 12; pl. 38, figs. 1—3; pl. 42, fig. 6.
- Leptastrea purpurea* (Dana), 邹仁林等, 1975, 科学出版社, p. 51.
- Leptastrea purpurea* (Dana), Veron, Pichon & Wijsman-Best, 1977, *Aust. Inst. Mar. Sci. Monog.*, **Ser. 3**, p. 158, figs. 303—310, 467.
- Leptastrea purpurea* (Dana), 邹仁林, 1978, 科学出版社, p. 95, pl. 3, fig. 5.

- Leptastrea purpurea* (Dana), Wijsman-Best, 1980, *Zool. Ned.*, **55** (21), p. 249, pl. 3, figs. 3, 4.
Leptastrea purpurea (Dana), Veron, 1982, *Proc. 1st Internat. Mar. Biol. Workshop*, **1**, p. 121.
Leptastrea purpurea (Dana), Scheer & Pillai, 1983, *Zoologica*, **133**, p. 132, pl. 31, figs. 11, 12.
Leptastrea purpurea (Dana), Scott, 1934, Hong Kong Univ. Press, p. 77, pl. 34A—34C.
Leptastrea purpurea (Dana), Pillai, 1986, *Rec. Adv. Mar. Biol.*, p. 172, pl. 11, fig. 3.
Leptastrea purpurea (Dana), Veron, 1993, Univ. Hawaii Press, p. 516, figs. 1—4.

标本采集地：陵水新村港、琼海沙荖、新盈邻昌、涠洲岛、碓洲岛、澳洲岛、香港水域、全富岛、晋卿岛、羚羊礁、华光礁、中建岛、盘石屿。

特征：珊瑚骨骼附着基的形状生长成畸形块状。珊瑚杯多边形，大小悬殊甚大，直径2—10mm，小杯中第I、II轮隔片与轴柱相连，大杯中有五轮隔片，第I、II、III轮隔片与轴柱相连，其中第I轮隔片大而厚，特别显著，大小隔片相间排列。隔片边缘有齿，两侧有颗粒。轴柱上有短棒状乳突。相邻二珊瑚杯的珊瑚肋不连，有槽相隔。杯壁薄，不超过1mm。

生活时为棕黄色。

地理分布：从红海到夏威夷，从日本到我国的台湾、东沙群岛、西沙群岛、海南和广东沿岸；该种是印度—太平洋区的广布种。

注释：Veron, Pichon 和 Wijsman-Best (1977, p. 158) 认为 *Leptastrea ehrenbergana* Milne-Edwards & Haime *Leptastrea roissyama* Milne-Edwards & Haime 和 *Leptastrea stellulata* Verrill 是本种的同物异名外，Wijsman-Best (1980, p. 248) 还增加了 *Astraea pulchra* Dana, *Orbicella klunzingeri* Gardiner, *Favia hawaiiensis* Vaughan 是本种的同物异名。至于 *Leptastrea pruinosa* Crossland 就有不同的意见了，Veron, Pichon 和 Wijsman-Best (1977) 与 Wijsman-Best (1980) 认为是有效种，Scheer 和 Pillai (1983, p. 132) 恰认为是本种的同物异名。

横小星珊瑚 *Leptastrea transversa* Klunzinger, 1879 (图版XL 图4、5)

- Leptastrea transversa* Klunzinger, p. 36, pl. 6, fig. 2. (cited after Vaughan)
Leptastrea transversa Klunzinger, Quelch, 1886, *Rep. Sci. Res. Voyage H. M. S. Challenger Zool.*, **16** (46), p. 109.
Leptastrea transversa Klunzinger, Vaughan, 1918, *Dept. Mar. Biol. Pub. Carnegie Inst. Wash.*, **9**, p. 94, pl. 31, figs. 1, 1a.
Leptastrea transversa Klunzinger, Crossland, 1952, *Sci. Rep. Great Barrier Reef Exp.*, **6** (3), p. 115, pl. 54, figs. 1—3.
Leptastrea transversa Klunzinger, Scheer & Pillai, 1974, *Zoologica*, **122**, p. 53.
Leptastrea transversa Klunzinger, Chavalier, 1975, *Exp. Franc. Recifs Corall. Nouvelle Calédonie*, **7**, p. 50, pl. 2, figs. 6, 7; pl. 3, fig. 1; pl. 38, fig. 10.