

Genus Data Sheet

Datasheet No. A-041.002
(family,genus,species)

DBT- Network Programme

1. Genus:*Halodule*Endl.

3. Systematic position:
APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R.Br. ex Bercht. &J.Presl
- Family: Cymodoceaceae Vines
- Genus: *Halodule*Endl.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: NajadaceaeJuss.
Genus: *Halodule*Endl.

3. Species:

Global:6

India: 1

4. Taxonomic riddles:

5. Distribution:

Global: Aldabra,Australia,Borneo,Burma, Caroline Island,China,Egypt,Eritrea,Fiji,Gulf States,Hainan,India,Indonesia,Iran,Japan,Jawa,Kenya,KwaZulu-Natal, Lesser Sunda Island,Madagascar,Malaya,Malaysia,Maluku,Marianas,Mauritius, Mozambique Channel Island,Mozambique,Myanmar,Nansei-shoto,New Caledonia,New Guinea,Oman,Palestine,Philippines,Philippines,Queensland,Saudi Arabia,Seychelles,Socotra,Somalia,South China Sea,Sri Lanka,Sri Lanka,Sudan,Sulawesi,Taiwan,Tanzania,Thailand,Tonga,Vietnam,Yemen,

India: Andaman and Nicobar Islands

6. Habit and Habitat:Marin rhizomatous herb.Found from the mid-intertidal to a depth of 20 m.

7.Economic Importance:Used as fertilizer in India.

8. DNA content range:

Methodology

2C: 4C:

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=18^1$

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes Neocentric chromosomes):

13. Ploidy level:

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes: GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: