

Genus Data Sheet

Datasheet No. A-041.001
(family,genus,species)

DBT- Network Programme

1. Genus:*Cymodocea*K.D. Koenig

3. Systematic position:
APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R.Br. ex Bercht. &J.Presl
- Family: Cymodoceaceae Vines
- Genus: *Cymodocea*K.D. Koenig

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Apocarpae
Ordo: NajadaceaeJuss.
Genus: *Cymodocea* K.D. Koenig

3. Species:

Global:4

India: 2

4. Taxonomic riddles:

5. Distribution:

Global: Aldabra, Australia, Bismarck Archipelago, Borneo, Burma, Caroline Island, China, Egypt, Eritrea, Hainan, India, Indonesia, Jawa, Kenya, Lesser Sunda Island, Madagascar, Malaya, Malaysia, Maluku, Mozambique Channel Island, Mozambique, Myanmar, Nansei-shoto, New Caledonia, New Guinea, Nicobar Island, Palestine, Philippines, Queensland, Saudi Arabia, Sinai, Socotra, Solomon Island, Somalia, Sudan, Sulawesi, Tanzania, Thailand, Vanuatu, Vietnam, Yemen

India: Andaman & Nicobar Islands.,Tamil Nadu Coast

6. Habit and Habitat:Marin rhizomatous herb. Occurs in clear water, and often in the high intertidal zone.

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): $2n=16^1$

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: