

Species Datasheet

Datasheet No. A-032.008.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Thalassia hemprichii* (Ehrenb.) Asch.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Schizotheca hemprichii* Ehrenb. ex Solms

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae Juss.
- Genus: *Thalassia* Banks ex K.D. Koenig
- Species: *T. hemprichii* (Ehrenb.) Asch.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Microspermae

Ordo: Hydrocharideae

Genus: *Thalassia* Banks ex K.D.

Koenig

Species: *T. hemprichii* (Ehrenb.) Asch.

4. Distribution:

Global: Red Sea to Indian Ocean and West Pacific

India: Andaman and Nicobar Islands, South India

5. Indigenous/Exotic/Endemic; Cultivated/Wild:

6. Threat Status:

IUCN: Least Concern

BSI

7. Habit and Habitat: Aquatic Herb. Grows in fine mud to clean coral-sand on reef platforms and sublittoral flats from low water mark to 5 m. depth

8. Life Form: Helophytes

9. Economic Importance: Used as fertilizer

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15.Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

21.Somatic chromosomes:

Karyotype:

Chromosome size:

NOR chromosome(s):

Degree of asymmetry:

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis:

Male meiosis:

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level:

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):