

Species Datasheet

Datasheet No. A-032.003.005
(family.genus.species)

DBT- Networ

1.Taxon:

Species:*Halophilastipulacea*(Forssk.) Asch.
Subspecies:
Variety:
Cultivar:
Hybrid:
Image file

2. Synonyms:

3.Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Hydrocharitaceae Juss.
- Genus: *Halophila*Thouars
- Species:*H. stipulacea*(Forssk.) Asch.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Halophila*Thouars
Species:*H. stipulacea*(Forssk.) Asch.

4.Distribution:

Global:Egypt to India and West Indian Ocean

India:East coast of India

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat:Submerged herb. Beds of *Halophilastipulacea* occur in the shallows, but this species also occurs in much deeper water and has been recorded to depths greater than 50 m.

8.Life Form:Helophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology:

12.Basic chromosome number(s):

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

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):