

Species Datasheet

Datasheet No. A-032.009.005
(family.genus.species)

DBT-1

1. Taxon:

Species: L.

Subspecies:

Variety: *Vallisneria spiralis* var. *spiralis*

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: *Vallisneria* L.
- Species: *V. spiralis* L.
- Variety: *V. spiralis* var. *spiralis*.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Microspermae
Ordo: Hydrocharideae
Genus: *Vallisneria* L.
Species: *V. spiralis* L.
Variety: *V. spiralis* var. *spiralis*

4. Distribution:

Global: Europe to Indo-China and S. Africa

India: Throughout India

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

6. Threat Status:

IUCN: Least Concern

BSI

7. Habit and Habitat: Aquatic herb. Grows in slow-flowing or lentic lowland water bodies such as canals, ditches, rivers and occasionally lakes.

8. Life Form: Hydrophytes

9. Economic Importance: Used in aquarium and pond planting

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):