

Species Data Sheet

Datasheet No. A-041.003.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Syringodium isoetifolium* (Asch.) Dandy

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cymodoceaisoetifolia* Asch., *Phucagrostis isoetifolia* (Asch.) Kuntze, *Phycoschoenus isoetifolia* (Asch.) Nakai

3. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R.Br. ex Bercht. & J. Presl
- Family: Cymodoceaceae Vines
- Genus: *Syringodium* Kütz.
- Species: *S. isoetifolium* (Asch.) Dandy

4. Distribution:

Global: Aldabra, Andaman Island, Australia, Borneo, Burma, Caroline Island, China, Egypt, Eritrea, Fiji, Gulf States, India, Indonesia, Jawa, Kenya, Laccadive Island, Lesser Sunda Island, Madagascar, Malaya, Malaysia, Maldives, Maluku, Mauritius, Mozambique, Myanmar, Nansei-shoto, New Caledonia, New Guinea, Nicobar Island, Palestine, Philippines, Queensland, Réunion, Samoa, Saudi Arabia, Seychelles, Sinai, Socotra, Somalia, South China Sea, Sri Lanka, Sudan, Tanzania, Tonga, Vietnam, Yemen

India: Tamil Nadu Coast, Andaman & Nicobar Islands.

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

6. Threat Status:

IUCN: Least Concern

BSI:

7. Habit and Habitat: Marine rhizomatous herb. Found in clear waters and prefers sandy substrates and is usually found in shallow waters in the lower inter- and subtidal areas up to 15 m depth.

8. Life Form:

9. Economic Importance:

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;Translocationsetc):**