

Species Datasheet

Datasheet No. A-061.034.015
(family.genus.species)

DBT-1

1. Taxon:

Species: *Cleisostoma tenuifolium* (L.) Garay

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Aeridestenuifolia* \(L.\) Moon](#)

[*Cleisostoma pauciflorum* \(Wight\) Senghas](#)

[*Cymbidium tenuifolium* \(L.\) Willd.](#)

[*Epidendrum tenuifolium* L.](#)

[*Gastrochilus acuminatus* \(Thwaites\) Kuntze](#)

[*Saccolabium acuminatum* Thwaites](#)

[*Saccolabium peninsulare* \(Dalzell\) Alston](#)

[*Saccolabium tenuifolium* \(L.\) Alston](#)

[*Sarcanthus pauciflorus* Wight](#)

[*Sarcanthus peninsularis* Dalzell](#)

[*Sarcanthus tenuifolius* \(L.\) Seidenf.](#)

[*Sarcochilus tenuifolius* \(L.\) Naves](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandaeae
- Subtribe: Aeridinae
- Genus: *Cleisostoma* Blume
- Species: *Cleisostoma tenuifolium* (L.) Garay

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandaeae
Subtribus: Sarcantheae
Genus: *Cleisostoma* Blume
Species: *Cleisostoma tenuifolium* (L.) Garay

4. Distribution:

Global: India, Sri Lanka and Thailand

India: Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Miniature sized, warm growing epiphyte, 100-1000m.

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{9, 10}$

13. Zygotic chromosome number(s): $2n=38^{9, 10}$

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level: Diploid^{9, 10}

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:¹⁰

Karyotype Median, submedian, 1 pair subterminal¹⁰

Chromosome size Small¹⁰

NOR chromosome(s)

Degree of asymmetry Symmetrical¹⁰

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; Translocation etc.):