

# Species Datasheet

Datasheet No. A-061.034.005  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Cleisostoma filiforme* (Lindl.) Garay

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Saccolabium luisioides* Gagnep.

*Sarcanthus filiformis* Lindl.

## 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 filiforme* (Lindl.) Garay

### Bentham and Hooker (1862)

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

## 4. Distribution:

**Global:** China, India, Nepal, Sikkim, Myanmar, Thailand, Laos and Vietnam

**India:** Sikkim, Assam, Manipur, Meghalaya, Mizoram, Nagaland, West Bengal

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**Epiphytic on tree trunks in broad-leaved evergreen forests

**8.Life Form:**Phanerophyte

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value          Methodology**

**12.Basic chromosome number(s):** $x=19^{17, 21}$

**13. Zygotic chromosome number(s):** $2n=38^{17, 21}$

**14. Gametic chromosome number(s):** $n=19^{17}$

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

Image file

**16.Ploidy level:**Diploid<sup>17, 21</sup>

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** <sup>19II</sup><sup>17</sup>

Image file

**27. Chromosome distribution at anaphase I:**

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level**

**29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):**