Species Datasheet

Datasheet No. A-061.034.014 **DBT-** 1
(family.genus.species)

1.Taxon:

Species: *Cleisostoma subulatum* Blume

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

*Cleisostomaamabile*Teijsm. &Binn.
*Cleisostomadealbatum*Lindl.
Cymbidiumflavescens Llanos
Cypripediumlinearisubulatum Llanos
Saccolabiumsecundum (Griff.) Ridl.
Sarcanthusamabilis (Teijsm. &Binn.) J.J.Sm.
Sarcanthusdealbatus (Lindl.) Rchb.f.
Sarcanthusoxyphyllus Wall. exRchb.f.
*Sarcanthussecundus*Griff.
Sarcanthussubulatus (Blume) Rchb.f.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Cleisostoma* Blume
- Species:*Cleisostoma subulatum* Blume

Bentham and Hooker(1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Subtribus: Sarcantheae
Genus: *Cleisostoma* Blume
Species: *Cleisostoma subulatum* Blume

4.Distribution:

Global: India, Bangladesh, eastern Himalayas, Bhutan, Sikkim, Myanmar, Thailand, Cambodia, Vietnam, Malaysian peninsula, Sumatra, Java, Lesser Sunda Islands, Borneo, the Moluccas, Sulawesi, and the Philippines in lowlands at elevations of 100 to 500 m

India: Assam, Meghalaya, Nagaland, Arunachal Pradesh, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphyte, 500-1200m, tropical Moist Forest

8.Life Form: Phanerophyte

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value	**Methodology**
2C (6.40 pg)[8]	Flow cytometry[8]

12.Basic chromosome number(s):x=19[2, 7, 8, 20]

13. Zygotic chromosome number(s):2n=38[2, 7, 8, 20]

14. Gametic chromosome number(s):n=19[5]

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

Image file

16.Ploidy level: Diploid[2, 5, 7, 8, 20]

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$19II^5$

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.):