Species Datasheet

Datasheet No. A-061.034.008
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Cleisostoma paniculatum* (Ker Gawl.) Garay

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Aeridespaniculata Ker Gawl.
*Cleisostomacerinum*Hance
*Cleisostomaformosanum*Hance
Cleisostomafuscomaculatum (Hayata) Garay
Cleisostomaunciferum (Schltr.) Garay
Garayanthusfuscomaculatus (Hayata) Szlach.
Garayanthuspaniculatus (Ker Gawl.) Szlach.
Sarcanthuscerinus (Hance) Rolfe
Sarcanthusformosanus (Hance) Rolfe
*Sarcanthusfuscomaculatus*Hayata
Sarcanthuspaniculatus (Ker Gawl.) Lindl.
*Sarcanthusunciferus*Schltr.
Vandapaniculata (Ker Gawl.) R.Br.

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 paniculatum* (Ker Gawl.) Garay

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

4.Distribution:

Global: India, Bhutan, Taiwan, Thailand, Vietnam, China

India: Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows as an epiphyte in very thick forests in high rainfall areas at about 1300 m

8.Life Form: Phanerophyte

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA
C-value **Methodology**

12.Basic chromosome number(s):x=21[14, 16, 18]

13. Zygotic chromosome number(s):2n=42[14]

14. Gametic chromosome number(s):n=21[14, 16, 18]

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

Image file

16.Ploidy level: Diploid[14, 16, 18]

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 meiosis21II [14, 18]

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.):