

Species Datasheet

Datasheet No. A-061.034.018
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cleisostoma williamsonii* (Rchb.f.) Garay

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Cleisostomademangei* \(Guillaumin\) Garay](#)

[*Cleisostomaelegans* Seidenf.](#)

[*Cleisostomaelongatum* \(Rolfe\) Garay](#)

[*Cleisostomahongkongense* \(Rolfe\) Garay](#)

[*Cleisostomasacculatum* \(Ridl.\) Garay](#)

[*Cleisostomaweberi* \(Ames\) Garay](#)

[*Echioglossumelegans* \(Seidenf.\) Szlach.](#)

[*Echioglossumsacculatum* \(Ridl.\) Szlach.](#)

[*Echioglossumwilliamsonii* \(Rchb.f.\) Szlach.](#)

[*Saccolabiumsacculatum* \(Ridl.\) Ridl.](#)

[*Sarcanthusdemangei* Guillaumin](#)

[*Sarcanthuselongatus* Rolfe](#)

[*Sarcanthusflaccidus* J.J.Sm.](#)

[*Sarcanthushongkongensis* Rolfe](#)

[*Sarcanthussacculatus* Ridl.](#)

[*Sarcanthusweberi* Ames](#)

[*Sarcanthuswilliamsonii* Rchb.f.](#)

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 williamsonii* (Rchb.f.) Garay

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Vandaeae

Subtribus: Sarcantheae

Genus: *Cleisostoma* Blume

Species: *Cleisostoma williamsonii* (Rchb.f.) Garay

4. Distribution:

Global:Guangdong, Guangxi, China, Hong Kong, India, Himalayas, Bhutan, Andaman Islands, Myanmar, Thailand, Malaysia, Vietnam, Borneo, Java, Sumatra

India: Assam, Meghalaya, Manipur, Mizoram, Nagaland, Arunachal Pradesh, Andaman and Nicobar Islands

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as an epiphyte at 1400 m in eastern Himalayas

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{13, 16, 18}$

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

14. Gametic chromosome number(s): $n=19^{13, 16, 18}$

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

Image file

16.Ploidy level:Diploid^{13, 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 meiosis 19II^{16, 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; Translocation etc.):