

Datasheet No. A-061.013.013
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bulbophyllumcandidum*Hook.f.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Phyllorchiscandida* (Hook. f.) Kuntze, *Phyllorkiscandida* (Hook.f.) Kuntze

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxideae
- Subtribe: Dendrobiinae
- Genus: *Bulbophyllum*Thouars
- Species:*Bulbophyllumcandidum*Hook.f.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Bulbophyllum*Thouars
Species:*Bulbophyllumcandidum*Hook.f.

4.Distribution:

Global:India, China, Myanmar, Tibet, Bhutan

India: Manipur, Meghalaya, Nagaland, Arunachal Pradesh

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as branch epiphyte in rather exposed conditions at 1400-1500 m

8.Life Form:Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20$ ^{19, 24}

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=20$ ^{19, 24}

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

Image file

16.Ploidy level:Diploid^{19, 24}

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):Rarely some variant PMC's with 19 II^{19, 24}

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 20 II^{19, 24}

Image file

27. Chromosome distribution at anaphase I: 20:20 distribution at A-I, sometimes bridges and fragment observed^{19, 24}

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis;

Pollen stainability; Translocation etc.): Inversion bridges^{19, 24}