

Datasheet No. A-061.013.092
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bulbophyllumumbellatum*Lindl.

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Bolbophyllopsismaculosa*R c h b . f . , *Bolbophyllopsismorphologorum*R c h b . f . , *Bulbophyllumannamicum* (Finet) T.B.Nguyen&D.H.Duong, *Bulbophyllumsaruwatarii*Hayata, *Bulbophyllumtibeticum* Rolfe, *Bulbophyllumtortisepalum*Guillaumin, *Bulbophyllumumbellatum* var. *umbellatum*, *Cirrhopetalumannamicum* (Finet) Tang &F.T.Wang, *Cirrhopetalumbootanense*Griff., *Cirrhopetalummaculosum*Lindl., *Cirrhopetalummaculosum* var. *annamicum*Finet, *Cirrhopetalummaculosum* var. *annamicum*Finet ex Gagnep., *Cirrhopetalumsaruwatarii* (Hayata) Hayata, *Cirrhopetalumumbellatum* (Lindl.) Linden [Illegitimate], *Hippoglossumumbellatum* Breda, *Phyllorkisbootanensis* (Griff.) Kuntze, *Phyllorkismaculosa* (Lindl.) Kuntze, *Phyllorkisumbellata* (Lindl.) 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:*Bulbophyllumumbellatum*Lindl.

Bentham and Hooker(1862)

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

4.Distribution:

Global:Western Himalayas, eastern Himalayas, Assam, India, Nepal, Bhutan, Myanmar, Thailand, southern China and Vietnam in humid, mossy, mixed and coniferous forests

India: Along Himalayas from Kumaon to Assam 1000-2200m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as epiphyte in Kumaon hills at 1500m

8.Life Form:Phanerophytes

9.Economic Importance:Medicinal, whole plant used to enhance congenity

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{6, 7, 8, 13, 14, 27, 31}$

13. Zygotic chromosome number(s): $2n=38^{6, 7, 8, 13, 14, 27, 31}$

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level:Diploid $^{6, 7, 8, 13, 14, 27, 31}$

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

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.):**