

# Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.013.094  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Bulbophyllum viridiflorum* (Hook.f.) Schltr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Cirrhopetalum viridiflorum* Hook.f., *Phyllorchis viridiflora* (Hook. f.) Kuntze, *Phyllorkis viridiflora* (Hook.f.) Kuntze, *Tripudianthes viridiflora* (Hook.f.) Szlach. & Kras

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxideae
- Subtribe: Dendrobieae
- Genus: *Bulbophyllum* Thouars
- Species: *Bulbophyllum viridiflorum* (Hook.f.) Schltr.

### Bentham and Hooker(1862)

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

## 4. Distribution:

**Global:** Western Himalayas and the eastern Himalayas, Assam, Nepal

**India:** Assam, Sikkim, Arunachal Pradesh, Manipur, Meghalaya, Nagaland

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

## 6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Epiphytic, grows on tree trunks at elevations of 2000 to 2300 m

8. **Life Form:** Phanerophytes

9. **Economic Importance:** Ornamental

10. **Probable Progenitor of:**

11. **DNA**

C-value      Methodology

**12. Basic chromosome number(s):**  $x=19^8, 11, 13, 14, 20, 27$

**13. Zygotic chromosome number(s):**  $2n=38^{20, 27}, 38+0-3B^{10}$

**14. Gametic chromosome number(s):**  $n=19^{20}, 19+0-3B^{8, 11, 13, 14}$

**15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**  $0-3B's^{10, 13, 14}$

Image file

**16. Ploidy level:** Diploid<sup>8, 11, 13, 14, 20, 27</sup>

Image file

**17. Agameteoploidy:**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**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** 19 II's+1-3B<sup>8, 13, 14</sup>

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.):**