

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.013.037
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Bulbophyllum helenae* (Kuntze) J.J.Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Cirrhopetalum cornutum* Lindl., *Phyllorchis helenae* Kuntze, *Phyllorkis cornuta* (Lindl.) Kuntze, *Phyllorkis helenae* Kuntze, *Rhytionanthos cornutum* (Lindl.) Garay, Hamer & Siegerist

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 helenae* (Kuntze) J.J.Sm.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Bulbophyllum* Thouars

Species: *Bulbophyllum helenae* (Kuntze) J.J.Sm.

4. Distribution:

Global: Nepal, India, Myanmar, Thailand, Borneo, Java, Philippines, China, Bhutan

India: Assam, Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, Sikkim, West Bengal, Uttarakhand

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** epiphyte or lithophyte grow on hill and lower montane forests at elevations of 900 to 1700 m

8. **Life Form:** Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=19^1$

13. Zygotic chromosome number(s): $2n=38^1$

14. Gametic chromosome number(s): $n=19^1$

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

Image file

16. Ploidylevel: Diploid¹

Image file

17. Agametoploidy:

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 1911

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.):