

Datasheet No. A-061.013.077
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bulbophyllumrolfei*(Kuntze) Seidenf.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Bulbophyllumdyerianum* (King & Pantl.) Seidenf.,*Bulbophyllumparvulum* (Hook.f.) J.J.Sm. [Illegitimate],
Cirrhopetalumdyerianum King & Pantl., *Cirrhopetalumparvulum* Hook.f., *Phyllorkisrolfei* Kuntze

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxideae
- Subtribe: Dendrobieinae
- Genus: *Bulbophyllum* Thouars
- Species: *Bulbophyllumrolfei* (Kuntze) Seidenf.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Bulbophyllum* Thouars

Species: *Bulbophyllumrolfei*(Kuntze) Seidenf.

4.Distribution:

Global: India, Assam, Nepal, China South-Central, East Himalaya, Myanmar,

India: Assam, Sikkim, Nagaland, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Cold growing epiphyte; at elevations around 2000 to 2800 m

8.Life Form: Phanerophytes

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

12. Basic chromosome number(s): $x=19^{20, 27}$

13. Zygotic chromosome number(s): $2n=38^{20, 27}$

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

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

Image file

16. Ploidy level: Diploid^{20, 27}

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 19II²⁰

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.):