

Datasheet No. A-061.013.062
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bulbophyllumpenicillium*C.S.P.Parish&Rchb.f

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Bulbophylluminopinatum*W.W.Sm., *Phyllorchispenicillium* (Parish &Rchb. f.) Kuntze, *Phyllorkispenicillium* (E.C.Parish&Rchb.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:*Bulbophyllumpenicillium*C.S.P.Parish &Rchb.f

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Bulbophyllum*Thouars

Species:*Bulbophyllumpenicillium*C.S.P.Parish &Rchb.f

4.Distribution:

Global:India, Myanmar, Thailand and Vietnam

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:Grows as an epiphyte in thick forests in high rainfall areas at elevations around 2000 m

8.Life Form:Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

12. Basic chromosome number(s): $x=19$ ^{17, 19, 24}

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

14. Gametic chromosome number(s): $n=19$ ^{17, 19, 24}

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

Image file

16. Ploidy level: Diploid^{17, 19, 24}

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

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.):**