

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.013.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bulbophyllum affine* Wall. ex. Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Bulbophyllum kusukusense* Hayata, *Phyllorkis affinis* (Lindl.) Kuntze, *Sarcopodium affine* (Lindl.) Lindl. & Paxton

3.Systematic Position:

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Bulbophyllum* Thouars

Species: *Bulbophyllum affine* Wall. ex. Lindl.

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 affine* Wall. ex. Lindl.

4.Distribution:

Global: Nepal, India, Bhutan, Myanmar, Thailand, Laos, Guangdong, Guangxi, Hainan, Yunnan, Vietnam, Hong Kong, Taiwan, Ryukyu Islands, China, Japan,

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

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic herb,commonly grow in tree trunk on subtropical forests and border in the valleys

8.Life Form: Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=18^{22}, 19^{23}, 20^{20, 27}$

13. Zygotic chromosome number(s): $2n=36^{22}, 40^{20, 27}$

14. Gametic chromosome number(s): $n=19^{23}, 20^{20}$

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

Image file

16.Ploidy level:Diploid^{20, 22, 23, 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 19 II ²³

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.):**