

Datasheet No. A-061.013.093
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Bulbophyllumvaginatum*(Lindl.) Rchb.f

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:***Bulbophyllumwhiteanum* (Rolfe) J.J.Sm,*Cirrhopetalumcaudatum* Wight, *Cirrhopetalumstramineum*Teijsm. &Binn.,*Cirrhopetalumvaginatum*Lindl., *Cirrhopetalumwhiteanum* Rolfe, *Phyllorkisvaginata* (Lindl.) 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:*Bulbophyllumvaginatum* (Lindl.) Rchb.f

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Bulbophyllum*Thouars

Species:*Bulbophyllumvaginatum*(Lindl.) Rchb.f

4.Distribution:

Global:Thailand, Malaysia, Java and Borneo, India

India: Sikkim Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.**Habit and Habitat:**Epiphyte; grows at elevations of about 450-1800m

8.**Life Form:**Phanerophytes

9.**Economic Importance:**

10. **Probable Progenitor of:**

11.DNA

C-value

Methodology

12. Basic chromosome number(s): $x=19^{7, 20, 23}, 20^{27}$

13. Zygotic chromosome number(s): $2n=38^{7, 20}, 40^{27}, 38-40^5$

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

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

Image file

16. Ploid level: Diploid^{7, 20, 23, 27}

Image file

17. Agamete ploidy:

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 19×23

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; Translocation etc.):