

Species Datasheet

Datasheet No. A-061.071.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Phyllorkis nilgherensis* (Wight) Kuntze

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Bulbophyllum neilgherensis* Wight

3.Systematic Position:

APG IV (2016)

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:
- Species:
- Subspecies:
- Variety:

Bentham and Hooker(1862)

Kingdom:

Division:

Order:

Class:

Subclass:

Order:

Family:

Subfamily:

Genus:

Species:

Subspecies:

Variety:

4.Distribution:

Global:India

India: Andhra Pradesh, Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic herb

8.Life Form:Phanerophytes

9.Economic Importance:Known as 'Purusha Ratna' and is used as tonic in Ayurved system

10. Probable Progenitor of:

11.DNA

C-value Methodology

12. Basic chromosome number(s): $x=20^{1, 2}$

13. Zygotic chromosome number(s): $2n=40^{1, 2}$

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

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

Image file

16. Ploidy level: Diploid^{1, 2}

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:¹

Karyotype Median, submedian¹

Chromosome size Small¹

NOR chromosome(s) 2¹

Degree of asymmetry Symmetrical¹

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; Translocation etc.):