

Species Datasheet

Datasheet No. A-377.022.001
(family.genus.species)

DBT- Network Program

1.Taxon:

Species: *Gymnostachyumceylanicum* Arn. & Nees
Subspecies
Variety
Cultivar
Hybrid
Image file

2. Synonyms: *Cryptophragmiumceylanicum* Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: LamialesBromhead
- Family: Acanthaceae Juss.
- Genus: *Gymnostachyum* Nees
- Species: *G. ceylanicum* Arn. & Nees

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Gymnostachyum* Nees
- Species: *G. ceylanicum* Arn. & Nees

4.Distribution:

Global: India, Sri Lanka

India: Maharashtra, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Herb. Found in evergreen forests.

8.Life Form: Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=28^1$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/Neocentric Chromosomes etc):

Image file

16.Ploidy level:

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

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes: GISH.

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information: (Translocations; Inversion; Female meiosis; Male meiosis; Male sterility)