

Species Datasheet

Datasheet No. P-042.012.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Trigonospora ciliata* (Wall. ex Benth.) Holttum

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumciliatum Wall. exBenth.

Lastreacalcarata var. *ciliata* (Wall. ex Benth.) Bedd.

3.Systematic Position:

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- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Trigonospora* Holtt.
- Species: *Trigonospora ciliata* (Wall. ex Benth.) Holttum
- Subspecies:
- *Variety*:

4.Distribution:

Global: India and S. China southwards to Malesia: N. Malaya and Sumatra.

India: Eastern Himalayas (Sikkim), South India- Western Ghats, Kerala (Ponmudi), Central India-Pachmarhi

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1, 11}$

13. Zygotic chromosome number(s): $2n=72^{1, 11}, 144^9$

14. Gametic chromosome number(s): $n=36^{1, 5}, 72^{1, 14, 15}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{1, 5, 11}$,

Tetraploid (sexual) $^{1, 9, 14, 15}$

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 Diploid: $36\text{II}^{1,5}$, Tetraploid: $72\text{II}^{1,14,15}$

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.):