Species Datasheet

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Datasheet No. P-051.030.011
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Phymatopteris stracheyi* (Ching) Pic. Serm.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

*Phymatodesstracheyi*Ching
Phymatopsisstracheyi (Ching) Ching
Polypodiumstracheyi (Ching) Ching

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl& C. Presl
- Subfamily: Drynarioideae Crabbe, Jermy&Mickel
- Genus: *Phymatopteris* Pic.Serm.
- Species: *Phymatopteris stracheyi* (Ching) Pic.Serm.
- Subspecies:
- Variety:

4.Distribution:

Global: China (Hubei, Sichuan, Yunnan), Tibet, Bhutan, N-India, Nepal

India: Eastern Himalayas (Darjeeling)

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=35[2] **,** 36[5]**,**37[1, 10]

13. Zygotic chromosome number(s):2n=140 [2]

14. Gametic chromosome number(s):n=36[5],

37[1, 10]

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

Image file

16.Ploidylevel: Diploid (sexual)[1, 5, 10] ,

Tetraploid (aneuploid) [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:

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 meiosis36II[5] ,

37II [1, 10]

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.):