

Species Datasheet

Datasheet No. P-041.002.038
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Athyrium wallichianum* Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumbrunonianum Wall. exMett.

Dryopterisbrunoniana (Wall. ex Mett.) Kuntze

Lastreabrunoniana (Wall. ex Mett.) Bedd.

Nephrodiumbrunonianum (Wall. ex Mett.) Hook.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Athyriaceae Alston
- Subfamily:
- Genus: *Athyrium* Roth
- Species: *Athyrium wallichianum* Ching
- Subspecies:
- Variety:

4.Distribution:

Global: China (Sichuan, SE Xizang, NW Yunnan) ,Bhutan, N India, N Myanmar, Nepal, N Pakistan

India: Western Himlayas (Kashmir)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Rock crevices in forests, alpine shrub meadows; 3500-4800 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=41^{49}$

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=123^{49}$

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

Image file

16.Ploidylevel: Hexaploid (sexual) ⁴⁹

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 123II⁴⁹

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.):