

Species Datasheet

Datasheet No. P-041.002.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Athyrium atkinsonii* Bedd.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium senanense Franch. & Sav.

Asplenium atkinsonii (Bedd.) C.B. Clarke

Asplenium lastreoides Baker

Athyrium lastreoides (Baker) Diels

Athyrium microsorum Makino

Athyrium monticola Rosenst.

Athyrium senanense (Franch. & Sav.) Koidz. & Tagawa

Cystopteris grandis C. Chr. in H. Lév.

Davallia athyriifolia Baker

Dryopteris senanensis (Franch. & Sav.) C. Chr.

Pseudocystopteris atkinsonii (Bedd.) Ching

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 atkinsonii* Bedd.
- Subspecies:
- Variety:

4. Distribution:

Global:China (Chongqing, Fujian, Gansu, Guizhou, Henan, Hubei, Hunan, Jiangxi, S-Shaanxi, Shanxi, Sichuan, Yunnan), SE-Tibet, Taiwan, Japan, Myanmar [Burma], India (Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Arunachal Pradesh), Bhutan, Nepal, Sikkim, Jammu & Kashmir, Pakistan (Swat), Vietnam

India: Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Arunachal Pradesh, Jammu & Kashmir

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): $x=40^{21, 50}$

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

14. Gametic chromosome number(s): $n=40^{21, 50}$

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

Image file

16.Ploidylevel:Diploid (sexual) ^{21, 50}

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 40II 21, 50

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.):