

Species Datasheet

Datasheet No. P-037.001.050
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium yunnanense* Franch.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumfontanum (L.) Sw.

Aspleniumfontanum (L.) Bernh.

Aspleniumwoodsoides Christ

Aspleniumyunnanense var. *yunnanense*

Polypodiumfontanum L.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Aspleniaceae Newman
- Subfamily:
- Genus: *Asplenium* L.
- Species: *Asplenium yunnanense* Franch.
- Subspecies:
- Variety:

4.Distribution:

Global: native to the Iberian Peninsula, France, the Apennine Peninsula, Central Europe, eastern Central Europe, the Balkan Peninsula and Morocco.

India: Western Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:perennials prefer a half-shady situation on moist soil. The substrate should be sandy or gritty-sandy soil. They tolerate temperatures down to -23°C

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{41, 42}$

13. Zygotic chromosome number(s): $2n=72^{81, 91, 92}$

14. Gametic chromosome number(s): $n=36^{41, 42}$, $72^{16, 58, 60, 143}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{41, 42, 81, 91, 92}$,

Tetraploid (sexual) $^{60, 143}$

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: $36\text{II}^{41, 42}$,

Tetraploid: $72\text{II}^{60, 143}$

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.):