

Species Datasheet

Datasheet No. P-037.001.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium adiantum-nigrum* var. *yuanum* (Ching) Ching

Subspecies:

Variety: *Asplenium adiantum-nigrum* var. *yuanum* (Ching) Ching

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium adiantum-nigrum subsp. *yuanum* (Ching) Reichst., Viane, Rasbach & Schneller

Asplenium yuanum Ching

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 adiantum-nigrum* L.
- Subspecies:
- Variety: *yuanum* Ching

4.Distribution:

Global: Georgia, Turkey, Iran, Turkmenistan, Afghanistan, Pakistan, N. India, Le Reunion, Ethiopia

India: North- West Himalayas

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
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12.Basic chromosome number(s): $x=36$ ¹¹⁸

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

14. Gametic chromosome number(s): $n=72$ ¹¹⁸

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

Image file

16.Ploidy level:Tetraploid (sexual) ¹¹⁸

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):Allotetraploid¹¹⁸

19.Genomic formula:*A.onopteris* X *A.woronowii* (OnOnWoWo) ¹¹⁸

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 meiosis72II¹¹⁸

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.):