

Species Datasheet

Datasheet No. P-037.001.021
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Asplenium griffithianum* Hook.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium baibarense Tatew. & Tagawa

Asplenium iridiphyllum Hayata

Asplenium nakanoanum Makino

Asplenium scolopendrifrons Hayata

Diplazium iridiphyllum (Hayata) Hayata

3. Systematic Position:

Christenhusz 2011

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

4. Distribution:

Global: China (Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hunan, Sichuan, Yunnan), Taiwan, Tibet, Japan, Myanmar [Burma], Bhutan, Nepal

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Lithophyte at 900-1500m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{4, 5, 11}$

13. Zygotic chromosome number(s): $2n=72^{4, 5, 11}$

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Diploid (sterile) ^{4, 5, 11}

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 31II+10I, 29II+14I^{4, 5, 11}

Image file

27. Chromosome distribution at anaphase I: Laggards leading to micronuclei⁴ **Bir 1960c, 1961b, 1965b**

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis;

Pollen stainability; Translocation etc.): Mature spores irregular sized **Bir**^{4, 5, 11} **1960c, 1961b, 1965b**