

Species Datasheet

Datasheet No. P-037.001.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium cardiophyllum* (Hance) Baker

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Boniniellacardiophylla (Hance) Tagawa

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 cardiophyllum* (Hance) Baker
- Subspecies:
- Variety:

4.Distribution:

Global:South China, Southeast Japan.

India: Eastern Himalayas

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Naturally occurs in limestone rock crevices or on calcareous soils

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=38^{4,70}, 39^{54}$

13. Zygotic chromosome number(s): $2n=76^{4,70}, 156^{54}$

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

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

Image file

16. Ploidy level: Diploid (sterile hybrid)^{4, 70}, Tetraploid (sexual)⁵⁴

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 (sterile hybrid): 761⁴

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.):