

Species Datasheet

Datasheet No. P-030.002.016
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum macrophyllum* Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Vittarioideae (C. Presl) Crabbe, Jermy & Mickel
- Genus: *Adiantum* L.
- Species: *Adiantum macrophyllum* Sw.
- Subspecies:
- Variety:

4.Distribution:

Global:native to Central America, the West Indies, the Galapagos Islands, Bolivia and Brazil.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Prefer moist soil. The substrate should be loamy, sandy-loamy or loamy clay soil. They tolerate temperatures only above at least 1°C

8.Life Form:

9.EconomicImportance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^{30, 31, 32, 33, 111, 112}$

13. Zygotic chromosome number(s): $2n=60^{30, 31, 32, 33, 111}$

14. Gametic chromosome number(s): $n=30^{32, 33, 112}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{30, 31 32, 33, 112}$

Image file

17.Agametoploidy:

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

19.Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 ^{30, 33, 112}

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.):