

Species Datasheet

Datasheet No. P-030.002.028
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum tetraphyllum* Humb. & Bonpl. ex Willd

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Adiantumtetraphyllum var. *costaricense* Christ

Synaphlebiumtetraphyllum (Humb. & Bonpl. ex Willd.) Fée

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 tetraphyllum* Humb. & Bonpl. ex Willd

Subspecies:

Variety:

4.Distribution:

Global:Antigua, St. Kitts, Nevis, Montserrat, Guadeloupe, Marie Galante, Dominica, Martinique, St. Lucia, St. Vincent, Grenada, Barbados, Greater Antilles, Tobago, Trinidad, Mesoamerica, South America.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:terrestrial in lower montane rainforest

8.Life Form:

9.EconomicImportance:Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^{91, 112}$

13. Zygotic chromosome number(s): $2n=60$ ⁹¹

58¹¹²

c.120¹¹²

14. Gametic chromosome number(s): $n=30$ ⁹¹ , 60¹¹²

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

Image file

16.Ploidy level:Diploid (sexual)⁹¹, Tetraploid (sexual)¹¹², Tetraploid (aneuploid)¹¹²

Image file

17.Agametoploidy:

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

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):Aneuploid¹¹²

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 30II^{91} , 60II^{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.):