Species Datasheet

Datasheet No. P-030.002.012
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum hispidulum* Sw.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:*Adiantumhispidulum*f.*strictum*Gilbert

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 hispidulum* Sw.
- Subspecies:
- Variety:

4.Distribution:

Global: Mozambique, Zimbabwe, South Africa, central and East Africa; also Indian Ocean Islands, southern India, East Indies, Polynesia, Australia.

India: Kerala (Idukki district)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial, Around boulder basis in woodland or in deep shade in moist forest., 1000m

8.Life Form:

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=30[1, 17, 20, 40, 42, 96]

13. Zygotic chromosome number(s):2n=171[1, 17]

14. Gametic chromosome number(s):n=171[1, 17,20, 40, 96] ,170-180 [42]

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

Image file

16.Ploidy level: Hexaploid (aneuploid, apogamous)[1,17]**,**

12-ploid (aneuploid, sexual) [20, 40, 96]

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 meiosis12-ploid (aneuploid) 171 II [20, 40, 96] ,

Hexaploid (apogamous) 171 II[1, 17]

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;Translocationsetc.): Apogamy [1, 17]