

Species Datasheet

Datasheet No. P-030.002.017
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum malesianum* J. Ghatak

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Adiantum caudatum* var. *latilobatum* Bonap.

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 malesianum* J.Ghatak
- Subspecies:
- Variety:

4.Distribution:

Global: China (Guangdong, Guangxi, Guizhou, Hainan, Hunan, Jiangxi, Sichuan, Taiwan, Yunnan) , India, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam; Pacific islands (Polynesia)

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On rocks or in rock crevices under thickets on slopes; below 100-1400 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^{15, 16, 44}$

13. Zygotic chromosome number(s): $2n=115^3$

14. Gametic chromosome number(s): $n=60^{15, 16, 44}$

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

Image file

16.Ploidylevel:Tetraploid (sexual) $^{15, 16, 44}$, Tetraploid (aneuploid) 3

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):Segmental allopolyploid 44

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 60II^{15, 16, 44}

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.):