

Species Datasheet

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Datasheet No. P-030.012.028
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pteris multifida* Poir.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Pycnodoriamultifida (Poir.) Small

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C. Chr. Ex Crabbe, Jermy & Mickel
- Genus: *Pteris* L.
- Species: *Pteris multifida* Poir.
- Subspecies:
- Variety:

4.Distribution:

Global: China (Anhui, Chongqing, Fujian, Guangdong, Guangxi, Guizhou, Hebei (Beidaihe), Henan, Hubei, Hunan, Jiangsu, Jiangxi, Shaanxi (Qinling), Shandong (Laoshan, Lushan, Taishan), Sichuan, Taiwan, Zhejiang), Japan (including Ryukyu Islands), S Korea, Philippines, Thailand, Vietnam].

India: Himalayas, South India –western Ghats-Parambikulam, Wynad, Upper Kothayar

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:On walls or on limestone; below ca. 1000 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=29^7$

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13. Zygotic chromosome number(s): $2n=87^7$

$116^{23, 48, 58}$

14. Gametic chromosome number(s): $n=58^{1, 11, 12, 44, 43, 45, 48, 83,}$

40^{62}

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

Image file

16.Ploidy level:Tetraploid (sexual) $^{1, 11, 12, 23, 43, 44, 45, 48, 58, 83,}$

Triploid⁷

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 58 II¹, 11, 12, 44, 43, 45, 48, 83

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.):