Species Datasheet

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Datasheet No. P-030.012.051
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Pteris wallichiana* J. Agardh

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Pteriswallichiana var. *wallichiana*

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C. Chr. Ex Crabbe, Jermy&Mickel
- Genus: *Pteris* L.
- Species: *Pteris wallichiana* J.Agardh
- Subspecies:
- Variety:

4.Distribution:

Global: India, Nepal, Bhutan, S China, Thailand, Taiwan, Japan, Vietnam, Philippines, Malaysia, Java, Samoa

India: Himachal Pradesh, Sikkim, Darjeeling, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows in the forested areas , forest margins, roadsides, waysides, in the beds of dry streamlets and on the edges of cultivated fields. Fairly common and often Gregarious or abundant between 1800 and 2400 m altitude, Khati on way to Dhakuri, Sikhar, Karmi

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=29[28, 29, 51, 52, 73, 75]

13. Zygotic chromosome number(s):2n=58[51, 52]

14. Gametic chromosome number(s):n=29[28, 29, 51, 52, 73, 75] ,

58[51, 52]

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

Image file

16.Ploidylevel: Diploid (sexual) [28, 29, 51, 52, 73, 75] ,

Diploid (apogamous) [51, 52]

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 Diploid: 29II [28, 29, 51, 52, 73, 75] ,

Diploid (apogamous): 8-celled sporangium58II [51, 52]

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[51, 52]