

Species Datasheet

Datasheet No. P-031.002.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pteridium aquilinum* (L.) Kuhn

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Pteridium aquilinum var. *aquilinum*

Pteridium aquilinum subsp. *aquilinum*

Pteridium aquilinum var. *lanuginosum* Henriq.

Pteridium aquilinum subsp. *typicum* R.M. Tryon

Pterisaquilina L.

Pterisaquilina f. *glabrior* Carruth.

Pteriscapensis Thunb.

Pteris lanuginosa Bory ex Willd.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dennstaedtiaceae Lotsy
- Subfamily:
- Genus: *Pteridium* Gled. ex Scop.
- Species: *Pteridium aquilinum* (L.) Kuhn
- Subspecies:
- Variety

4. Distribution:

Global:Occurring in temperate and subtropical regions in both hemispheres. The extreme lightness of its spores has led to its global distribution.

India: Himalayas-Uttarakhand (Kumaon), Himachal Pradesh (Manali, Vashishta, Narkanda, Kinnaur, Sangla), Kashmir, South India-Kerala (ponmudi), Western Ghats, Nilgiris, 1500-2700m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:An adaptable plant, bracken readily colonises disturbed areas. It can even be aggressive in countries where it is native

8.LifeForm:[Herbaceousperennial](#)

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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2C (12.80 pg) ¹⁰	Feulgenmicrodensitometry ¹⁰
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2C (15.20 pg) ²	Flow cytometry ²
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2C (16.12pg) ³	Flow cytometry ³
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12.Basic chromosome number(s): $x=52$ ^{1, 4, 5, 6, 8, 9, 11, 13, 14, 15, 16, 17,18, 20, 21, 22, 23, 25, 26, 27, 29, 30, 31}

13. Zygotic chromosome number(s): $2n=104$ ^{5, 6, 8, 16, 27, 29},

c. 104^{20} ,

156^{25}

14. Gametic chromosome number(s): $n=52^{1, 4, 5, 9, 11, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 26, 27, 30, 31}$,

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

Image file

16.Ploidy level:Diploid (sexual) $^{1, 4, 5, 9, 11, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 26, 27, 30, 31}$,

Triploid²⁵

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 52II¹, 4, 5, 9, 11, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 26, 27, 30, 31

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.):