

Species Datasheet

Datasheet No. P-030.012.024
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pteris linearis* Poir.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Campterianemoralis J. Sm.

Pterisbiaurita var. *intermittens* C. Chr.

Pterisbiaurita var. *nemoralis* A. Chev.

Pterisflava Merr.

Pterisglabra Merr.

Pterishildebrandtii Hieron.

Pterisnemoralis Willd.

Pterisnormalis D. Don

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 linearis* Poir.
- Subspecies:
- Variety:

4. Distribution:

Global: West to East Africa, Comoro Isl., Madagascar, Réunion, Zambia and Zimbabwe (? , by J.P. Roux), also in the paleotropics

India: Eastern Himalayas (Darjeeling), Wayanand, Palakkad, Thrissur, Thiruvunthapuram

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: On mountain slopes in lower montane forests in limestone regions or in light shade at about 800–1800 m alt.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=29^7$

13. Zygotic chromosome number(s): $2n=58^7$,
 $87^{7, 73}$

14. Gametic chromosome number(s): $n=29^{13}$,
 58^{40} ,
 87^{73}

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes):

Image file

16.Ploidylevel:Diploid (sexual) ^{7, 13} ,

Triploid (apogamous)⁷³ ,

Triploid⁷ ,

Tetraploid (sexual)⁴⁰

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 meiosisDiploid : 29II^{13} ,

Triploid (apogamous): 87II^{73} ,

Tetraploid: 58II^{40}

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.):