

Species Datasheet

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Datasheet No. P-045.006.029
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polystichum prescottianum* (Wall. ex Mett.) T. Moore

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidium prescottianum Wall. ex Mett.

Polystichum erinaceum Ching & S.K. Wu

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Polystichum* Roth
- Species: *Polystichum prescottianum* (Wall. ex Mett.) T. Moore
- Subspecies:
- Variety:

4.Distribution:

Global: India, Pakistan (Kurram, Swat, Chitral, Hazara), Pakistani Kashmir (Baltistan), Afghanistan, Nepal, Sikkim, Bhutan, Myanmar, Tibet, Taiwan, China (Xizang (Cona, Nyalam))

India: Garhwal, Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Kashmir

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Alpine meadows, *Abies* forests; 3300-3900 m

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=41^{22, 23, 39, 58}$

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

14. Gametic chromosome number(s): $n=41^{22, 23, 39, 58}$

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

Image file

16. Ploidylevel: Diploid (sexual) $^{22, 23, 39, 58}$

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 41II^{22, 23, 39, 58}

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.):