

Species Datasheet

Datasheet No. P-045.006.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polystichum bakerianum* (Atk. ex C.B. Clarke) Diels

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumbakerianum (Atk. ex C.B. Clarke) Atk. ex Baker

Aspidiumprescottianum var. *bakerianum* Atk. ex C.B. Clarke

Polystichumprescottianum var. *bakerianum* (Atk. ex C.B. Clarke) Bedd.

3.Systematic Position:

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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 bakerianum* (Atk. ex C.B. Clarke) Diels
- Subspecies:
- Variety

4.Distribution:

Global: China (W-Sichuan, NW-Yunnan), S-Tibet, India, Jammu & Kashmir (Kashmir), Pakistan (Hazara), Nepal, Sikkim

India: Himachal Pradesh, Uttarakhand (Chamoli, Valley of Flowers), 3000m

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

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

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

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

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

Image file

16. Ploidylevel: Diploid (sexual)²³

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^{23}

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.):