

Species Datasheet

Datasheet No. P-045.006.039
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polystichum wilsonii* Christ

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Polystichum aculeatum var. *stenophyllum* Bonap.

Polystichum malticola Schelpe & N.C. Anthony

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 wilsonii* Christ
- Subspecies:
- Variety:

4. Distribution:

Global: China (S-Gansu, Qinghai, Shaanxi, W-Sichuan, Xinjiang, NW-Yunnan), S-Tibet, Taiwan, Bhutan, India, Nepal, Pakistan (Swat, Hazara), Jammu & Kashmir (Kashmir), Zimbabwe, Malawi, Uganda, Kenya, Tanzania, Cameroon, Bioko Isl. (Fernando Poo), Mozambique, Rwanda, Somalia, Ethiopia, N-Yemen, La Réunion, Comores (Grande Comore), South Africa (Mpumalanga, Free State, KwaZulu-Natal, W-Cape Prov., E-Cape Prov.), Lesotho

India: Himalayas

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

6.Threat Status:

IUCN:Least concern

BSI:

7.Habit and Habitat:Terrestrial or lithophyte

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): $2n=164^{48, 49}$

14. Gametic chromosome number(s): $n=82^{23}$

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

Image file

16.Ploidylevel:Tetraploid (sexual) $^{23, 48, 49}$

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 82II^{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.):