

Species Datasheet

Datasheet No. P-045.006.025
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Polystichum neolobatum* Nakai

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aspidiumlobatum var. *chinense* Christ

Polystichumassurgens Ching & S.K. Wu

Polystichumlobatum var. *chinense* Christ

Polystichumneolobatum var. *brevipinnum* Tagawa

Polystichumsquarrosus var. *chinense* (Christ) C. Chr.

Polystichumyigongense 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 neolobatum* Nakai
- Subspecies:
- Variety:

4. Distribution:

Global: China (Anhui, Chongqing, Gansu, Guizhou, Henan, Hubei, Hunan, Jiangxi, ?Ningxia, Shaanxi, Sichuan, Yunnan, Zhejiang), Taiwan, Bhutan, India, Japan, Nepal

India: Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Broad-leaved forests; 1300-3100 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{8, 57}$

13. Zygotic chromosome number(s): $2n=c.121^{16},$
 123^8

14. Gametic chromosome number(s): $n=c.121^{16},$
 $123^{8, 57}$

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

Image file

16.Ploidylevel:Triploid (apogamous)^{8, 16, 57}

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 Triploid (apogamous): 8-celled sporangium 123II^{8, 57},

c.121II¹⁶

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.): Apogamous^{8, 16, 57}