Species Datasheet

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Datasheet No. P-045.006.028
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Polystichum piceopaleaceum* Tagawa

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Polystichumaculeatum var. *fargesii* Christ
*Polystichumdoianum*Tagawa
Polystichummakinoi var. *chuanzangense*Ching& S.K. Wu
Polystichumsetiferum var. *fargesii* (Christ) C. Chr.
Polystichumyunnanense var. *fargesii* (Christ) C. Chr.

3.Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Polystichum* Roth
- Species: *Polystichum piceopaleaceum* Tagawa
- Subspecies:
- Variety:

4.Distribution:

Global: Jammu and Kashmir, Himachal Pradesh, Uttrakhand, Nepal, Bhutan, Pakistan, Srilanka

India: Eastern Himalayas, NE-India, Himachal Pradesh, Uttrakhand,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Valleys, streamsides, cliffs, rock crevices; 1200-3400 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=41[21,23]

13. Zygotic chromosome number(s):2n=82[21] ,

164 [16, 37]

14. Gametic chromosome number(s):n=41[23],

82[45, 57]

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

Image file

16.Ploidylevel: Diploid (sexual)[21, 23],

Tetraploid (sexual)[16, 37, 45, 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 Diploid: 41II[23],

Tetraploid: 82II [45, 57]

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.):