

Species Datasheet

-

Datasheet No. P-051.001.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Arthromeris wallichiana* (Spreng.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Drynarioideae Crabbe, Jermy & Mickel
- Genus: *Arthromeris*
- Species: *Arthromeris wallichiana* (Spreng.) Ching
- Subspecies:
- Variety:

4.Distribution:

Global:: India, Nepal, Bhutan, China, Tibet, Vietnam, Thailand

India: Himachal Pradesh, Sikkim, Darjeeling, Meghalaya, Nagaland, Manipur, Tripura

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows on humid rocks in shade and also as an epiphyte. Scattered between 1500 and 2700 m altitude, Loharkhet, Khati

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=36^{1, 6, 7}$

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

14. Gametic chromosome number(s): $n=36^{1, 6, 7}, 37^{4, 5}$

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

Image file

16.Ploidylevel:Diploid (sexual)^{1, 4, 5, 6, 7}

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):Aneuploid^{4, 5}

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 meiosis36II^{1, 6, 7}, 37II^{4,5}

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.):