

Species Datasheet

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Datasheet No. P-041.002.033
(family.genus.species)

DBT- Network Programme

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1.Taxon:

Species: *Athyrium setiferum* C. Chr. (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position:

Christenhusz 2011

Class: Equisetopsida C.Agardh

Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.

Order: Polypodiales Link.

Family: Athyriaceae Alston

Subfamily:

Genus: *Athyrium* Roth

Species: *Athyrium setiferum* C.Chr. (unresolved)

Subspecies:

Variety:

4.Distribution:

Global:N-India (Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Arunachal Pradesh, Meghalaya, S-India, Nilgiri Hills, Palni Hills), Nepal, Sri Lanka, Japan, China (Yunnan, Guangdong), Tibet, N-Thailand, Myanmar [Burma], peninsular Malaysia, Borneo, Philippines (Luzon), Moluccas (Seram)

India: N-India (Himachal Pradesh, Uttar Pradesh, Sikkim, Darjeeling, Arunachal Pradesh, Meghalaya, S-India, Nilgiri Hills, Palni Hills)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:2100-2700m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12. Basic chromosome number(s): $x=40$ ^{9, 13, 16, 17, 50}

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

14. Gametic chromosome number(s): $n=40$ ^{9, 13, 16, 17, 50} , ⁸⁰ ^{19, 20}

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

Image file

16. Ploid level: Diploid (sexual) ^{9, 13, 16, 17, 50} ,

Tetraploid (sexual) ^{19, 20}

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: 40II^{9, 13, 16, 17, 50},

Tetraploid: 80II^{19, 20}

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.):