

Species Datasheet

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Datasheet No. P-041.002.019
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Athyrium mackinnoni* (C. Hope) C. Chr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Asplenium mackinnoni C. Hope

Athyrium mackinnoni var. *mackinnoni*

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 mackinnoni* (C.Hope) C.Chr.
- Subspecies:
- Variety:

4.Distribution:

Global:India, SW China and Indochina, Thailand

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=40^{19, 20, 38}$

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

14. Gametic chromosome number(s): $n=40^{19, 20, 38}, 80^{48}, 120^{48}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{19, 20, 38},$

Tetraploid (sexual) $^{48},$

Hexaploid (sexual) 48

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 meiosisDiploid: $40\text{II}^{19, 20, 38}$,

Tetraploid: 80II^{48} ,

Hexaploid : 120II^{48}

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.):