

Species Datasheet

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Datasheet No. P-030.001.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Actiniopteris australis* Link

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

*Acropterisaustralis*Link

*Acrostichumaustrale*L. f.

*Belvisiaaustralis*Mirb.

*Blechnumflabellatum*C.Presl

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C.Chr. ex Crabbe, Jermy & Mickel
- Genus: *Actiniopteris* Link
- Species: *Actiniopteris australis* Link
- Subspecies:

4.Distribution:

Global:Sri Lanka, Myanmar, Arabia Socotra and Mascarene Islands, East Africa south to Transvaal, Sudan, Angola, Kalachari

India: At the base of North West Himalayas up to 700m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows in hot dry regions of tropics and sub-tropics

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=29$ ⁹

13. Zygotic chromosome number(s): $2n=87$ (archesporial cell)⁹

14. Gametic chromosome number(s): $n=58^9, 87^9$

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

Image file

16.Ploidy level:Diploid (apogamous)⁹

Triploid (apogamous)⁹

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 (apogamous): 8-celled sporangium 58II⁹

Triploid (apogamous): 8-celled sporangium 87II⁹

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.):Apogamy⁹