

Species Datasheet

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Datasheet No. P-041.002.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Athyrium attenuatum* (Wall. ex C.B. Clarke) Tagawa

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Athyrium attenuatum* f.*dentigerum* (Wall. ex C.B. Clarke) Fraser-Jenk. &Khullar

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 attenuatum* (Wall. ex C.B.Clarke) Tagawa
- Subspecies:
- Variety:

4.Distribution:

Global: China (W-Sichuan, N-Yunnan), N-India (Himachal Pradesh, Uttar Pradesh, Arunachal Pradesh), Jammu & Kashmir (Kashmir), Pakistani Kashmir (Azad Kashmir), Sikkim, Pakistan (Kurrum, Swat, Hazara), Nepal, Afghanistan

India: Himalayas (Himachal Pradesh, Uttar Pradesh, Arunachal Pradesh), Jammu & Kashmir (Kashmir), Sikkim

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:2400-3900m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=40^{7, 8, 13, 18, 21, 38, 47}$

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=40^{7, 8, 13, 18, 21, 38, 47}$, $80^{7, 13, 47}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{7, 8, 13, 18, 21, 38, 47}$,

Tetraploid (sexual) $^{7, 13, 47}$,

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: $40II^{21, 38}$,

Tetraploid: $80II^{7, 13, 47}$

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.):