

# Species Datasheet

Datasheet No. P-041.002.021  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Athyrium mehrae* Bir

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 mehrae* Bir
- Subspecies:
- *Variety*:

## 4.Distribution:

**Global:**China (SE Xizang, Yunnan) India (Sikkim)

**India:** Eastern Himalayas

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

## 6.Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**Forests, shrub meadows, on rocks of mountain slopes; 3100-4100 m

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

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

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

**14. Gametic chromosome number(s):** $n=40^{7, 8, 47}$

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

Image file

**16.Ploidy level:**Diploid (sexual)  $^{7, 8, 47}$

Image file

**17.Agametoploidy:**

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

**19.Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**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** 40II 7, 8, 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.):**