

# Species Datasheet

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Datasheet No. P-051.013.002  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Prosaptia contigua* (G. Forst.) C. Presl

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: Polypodiaceae J. Presl & C. Presl
- Subfamily: Polypodioideae B.K. Nayar
- Genus: *Prosaptia* Fennah
- Species: *Prosaptia contigua* (G. Forst.) C. Presl
- Subspecies:
- Variety:

## 4.Distribution:

**Global:** India, Sri Lanka, Thailand, S China, Taiwan, throughout Malesia, NE Australia, Pacific Islands.

**India:** S-India-Tamil Nadu (Kannikatti), Tirunelveli (Agasthiar Hill), Western Ghats

## 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 |
|---------|-------------|
|---------|-------------|

**12.Basic chromosome number(s):** $x=37^{1, 2, 3}$

**13. Zygotic chromosome number(s):** $2n=c.148^4$

**14. Gametic chromosome number(s):** $n=74^{1, 2, 3}$

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

Image file

**16.Ploidylevel:**Tetraploid (sexual)  $^{1, 2, 3, 4}$

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** Tetraploid :  $74II^{1, 2, 3}$

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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.):**