

# Species Datasheet

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Datasheet No. P-041.005.019  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Diplazium sylvaticum* (Bory) Sw.

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Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Callipterisylvatica*Bory.

## 3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Athyriaceae Alston
- Subfamily:
- Genus: *Diplazium* Swartz
- Species: *Diplazium sylvaticum* (Bory) Sw.
- Subspecies:
- Variety:

## 4.Distribution:

**Global:**peninsular Malaysia, New Guinea, Java, Borneo, Thailand, S-India, NE-India, Bangladesh, Myanmar [Burma], Sri Lanka, Moluccas (Seram, etc.), Sulawesi, Sumatra, Lesser Sunda Isl. (Sumba), Philippines, Australia (Queensland), Mauritius, Fiji (VitiLevu, Vanua Levu), Western Samoa (Savaii, Upolu), American Samoa (Tutuila, Manua Isl.), Vanuatu, Palau Isl. (Babeldoab), Southern Marianas (Rota Isl.)

**India:** Peninsular India, North-eastern Himalayas

## 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):** $x=41^{1, 3}$

**13. Zygotic chromosome number(s):** $2n=205^{1, 3}$ ,

c. $200^{34}$ ,

c. $205^{31}$

**14. Gametic chromosome number(s):**

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

Image file

**16.Ploidy level:**Pentaploid (hybrid) <sup>1, 3, 31, 34</sup>

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** Pentaploid: Irregular meiosis forming univalent, bivalents and multivalent <sup>1, 3</sup>

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.):**