

Species Datasheet

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Datasheet No. P-041.005.020
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Diplazium travancoricum* Bedd. ([unresolved](#))

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: *Diplazium* Swartz
- Species: *Diplazium travancoricum* Bedd. ([unresolved](#))
- Subspecies:
- Variety:

4.Distribution:

Global:S-India (Travancore Hills, Kerala, Tamil Nadu), Sri Lanka

India: S-India (Travancore Hills, Kerala, Tamil Nadu),

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:In evergreen forests, along stream banks

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=41^{4, 25, 46, 47}$

13. Zygotic chromosome number(s): $2n=82^{4, 46, 47}$

14. Gametic chromosome number(s): $n=41^{4, 46},$

$82^{25},$

$205^{24, 29, 30}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{4, 46, 47},$

Tetraploid (sexual) $^{25},$

Pentaploid (Apogamous) $^{24, 29, 30}$

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:⁴⁷

Karyotype Median, submedian and subterminal⁴⁷

Chromosome size Small⁴⁷

NOR chromosome(s)

Degree of asymmetry Moderately asymmetrical⁴⁷

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: 41II^4 , 46

Tetraploid : 82II^{25}

Pentaploid (Apogamous): 32-celled Sporangium 205II^{29}

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.): Apogamy²⁹