

Species Datasheet

Datasheet No. P-045.011.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Egenolfia appendiculata* (Willd.) J. Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichum appendiculatum Willd.

Bolbitis appendiculata (Willd.) K. Iwats.

Polybotrya appendiculata (Willd.) J. Sm.

Polybotrya asplenifolia C. Presl

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Elaphoglossoideae (Pic. Serm.) Crabbe, Jermy & Mickel
- Genus: *Egenolfia* Schott.
- Species: *Egenolfia appendiculata* (Willd.) J. Sm.
- Subspecies:
- Variety:

4. Distribution:

Global: India, Myanmar, Bangladesh, Nicobar Isl., Taiwan, China (Hainan, Guangdong, Guangxi, Hongkong, Yunnan), Ryukyu Isl., S-Japan, Bhutan, Sikkim, Sri Lanka, Cambodia, Thailand, Laos, Vietnam, Sumatra, peninsular Malaysia, Java, Philippines

India: throughout, Assam, Meghalaya, S-India, W-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): $x=41^{1, 2, 4, 5, 6, 7, 8}$

13. Zygotic chromosome number(s): $2n=82^{7, 123^{3, 9, 10}}$

14. Gametic chromosome number(s): $n=41^{1, 2, 4, 5, 6, 7, 8}$

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

Image file

16.Ploidylevel:Diploid (sexual) $^{1, 2, 4, 5, 6, 7, 8}$, Triploid (sterile hybrid) $^{3, 9, 10}$

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 meiosisDiploid: 41II^{1, 2, 4, 5, 6, 7, 8},Triploid: 39II+45I^{3, 9, 10}

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;Translocationsetc.):**