

Species Datasheet

Datasheet No. P-030.013.005
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Vittaria elongata* Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Haplopteris elongata (Sw.) E.H. Crane

Vittaria hildebrandtii Hieron.

Vittaria hildebrandtii var. *major* Hieron.

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Vittarioideae (C. Presl) Crabbe, Jermy & Mickel
- Genus: *Vittaria* Sm.
- Species: *Vittaria elongata* Sw.
- Subspecies:
- Variety:

4.Distribution:

Global: :India, Sri Lanka, Bangladesh, Myanmar, China, Malaysia, Mauritius, Philippines, Polynesia, Taiwan, Vietnam, Africa and Australia

India: : Andaman & Nicobar Islands, Kerala (Throughout)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytic herb, low and mid altitude areas

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^{3, 4, 11}$

13. Zygotic chromosome number(s): $2n=120^{11}, 240^{5, 6, 7, 8}$

14. Gametic chromosome number(s): $n=60^{3, 4}, 90^{9, 10}, 120^{5, 6, 7, 8}$

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

Image file

16.Ploidylevel:Tetraploid (sexual) $^{3, 4, 11}$, Hexaploid (sexual) $^{9, 10}$

Octoploid (sexual) $^{5, 6, 7, 8}$

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 : $60\text{II}^{3,4}$, Hexaploid: $90\text{II}^{9,10}$, Octoploid: $120\text{II}^{5,6,7,8}$

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.):