

Species Datasheet

Datasheet No. P-040.003.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Salpichlaena volubilis* (Kaulf.) J. Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Blechnum scandens Bory

Blechnum volubile Kaulf.

Salpichlaena scandens (Kaulf.) C. Presl

Salpichlaena volubilis var. *volubilis*

3.Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Blechnaceae Newman
- Subfamily:
- Genus: *Salpichlaena* J.Sm.
- Species: *Salpichlaena volubilis* (Kaulf.) J.Sm.
- Subspecies:
- Variety:

4.Distribution:

Global: Guadeloupe, Dominica, Martinique, St. Lucia, Mesoamerica, South America.

India:

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: high-climbing, in lower montane rainforest

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=31^2, 40^5$

13. Zygotic chromosome number(s): $2n=80^5$

14. Gametic chromosome number(s): $n=40^5,$
 62^2

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

Image file

16. Ploidy level: Diploid (sexual)⁵

Tetraploid (sexual)²

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 Diploid: $40II^5$,

Tetraploid: $62II^2$

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.):