

Species Datasheet

Datasheet No. P-030.020.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Paraceterach marantae* (L.) R.M. Tryon

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichum canariense Willd.

Acrostichum marantae L.

Acrostichum subcordatum Cav.

Ceterach marantae (L.) DC.

Cheilanthes marantae (L.) Domin

Cincinthis maranthae (L.) Desv.

Cincinthis subcordata (Cav.) Desv.

Gymnogramma marantae (L.) Mett.

Gymnopteris marantae (L.) Ching

Notholaena canariense (Willd.) Desv.

Notholaena marantae (L.) R. Br.

Paragymnopteris marantae (L.) K.H. Shing

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: Cheilanthes W.C. Shieh
- Genus: *Paraceterach* Copel.
- Species: *Paraceterach marantae* (L.) R.M. Tryon
- Subspecies:

4. Distribution:

Global:

India: Throughout Himalayas (Sikkim, Uttarakhand-ChamoliGarhwal, Valley of flowers)

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): $x=29^{1, 2, 4, 6}$

13. Zygotic chromosome number(s): $2n=58^{1, 2}$

14. Gametic chromosome number(s): $n=29^{4, 6}$,
 58^4

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

Image file

16.Ploidy level:Diploid (sexual) $^{1, 2, 4, 6}$,

Tetraploid (sexual) 4

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: $2n$,
 $2n$

Tetraploid: $4n$

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.):