Species Datasheet

Datasheet No. P-051.003.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Campyloneurum phyllitidis* (L.) C. Presl

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Campyloneurumcostatum (Kunze) C. Presl
Campyloneurumimmersum J. Sm.
Campyloneurumphyllitidis var. *costatum* (Kunze) Farw.
Cyrtophlebiumcostatum (Kunze) J. Sm.
Cyrtophlebiumphyllitidis (L.) J. Sm.
Polypodiumcomosum L.
*Polypodiumconjugatum*Poir.
*Polypodiumcostatum*Kunze
*Polypodiumgladiatum*Vell.
Polypodiumlevigatum var. *rigidum*Harr.
*Polypodiumparallelinerve*Desv.
Polypodiumphyllitidis L.
Polypodiumphyllitidis var. *elongatum*Hieron.
Polypodiumphyllitidis var. *linneanum* Hook.
Polypodiumphyllitidis var. *swartzianum*Griseb.

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl& C. Presl
- Subfamily: Polypodioideae B.K. Nayar
- Genus: *Campyloneurum* C.Presl
- Species: *Campyloneurum phyllitidis* (L.) C.Presl
- Subspecies:

- Variety:

4.Distribution:

Global: North, Central, and South America: from Florida, the Caribbean, and southeastern Mexico in the north; to tropical Peru and Brazil, and Paraguay in the south.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:epiphyte, growing on other plants; generally the fern is found growing in the canopies of trees

8.Life Form:

9.Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=37[2, 6, 7, 8], 38[3]

13. Zygotic chromosome number(s):2n=148[2, 5, 6, 7, 8]

14. Gametic chromosome number(s):n=37[5, 6] ,74[1, 2, 7, 8] , 76[3]

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level: Diploid (sexual)[5, 6] ,

Tetraploid (sexual)[1, 2, 3, 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 Diploid:37II [5, 6]

Tetraploid:74II [1, 2, 7, 8] , 76II [3]

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.):