

Species Datasheet

Datasheet No. P-030.004.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Anogramma leptophylla* (L.) Link

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichumleptophyllum (L.) Lam. & DC.

Anogrammaguatemalensis (Domin) C. Chr.

Didymochlaenalunulata var. *microphylla* J. Bommer ex Christ

Grammitisleptophylla (L.) Sw.

Gymnogrammachaeophylla var. *cryptogrammoides* J. Bommer ex Christ

Gymnogrammaleptophylla (L.) Desv.

Gymnogrammaleptophylla var. *mexicana* Kunze

Hemionitisleptophylla Lag.

Pityrogrammaguatemalensis Domin

Polypodiumleptophyllum L.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C.Chr. ex Crabbe, Jermy & Mickel
- Genus: *Anogramma* Link
- Species: *Anogramma leptophylla* (L.) Link
- Subspecies:

4.Distribution:

Global:temperate and subtropical regions in both hemispheres

India: Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Annual, humidity, shady rock crevices and caves, to lime-rock; colline-montane

8.LifeForm:Annual

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=26^3, 5, 6, 10, 11, 12, 15, 29^1, 2, 4$

13. Zygotic chromosome number(s): $2n=52^{11}, 58^2$

14. Gametic chromosome number(s): $n=29^{1, 2}, 26^{3, 5, 6, 10, 11, 12, 15}, 26+3B^9, 26+0-1B^{13}, 27^7$

$c.56-57^8, c.58^{14}, 58^4$

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

chromosomes/Neocentric chromosomes):B Chromosome^{9, 13}

Image file

16.Ploidylevel:Diploid (sexual)^{1, 2}

Diploid (aneuploid, sexual)^{3, 5, 6, 7,9, 10, 11,12, 13, 15}

Tetraploid (sexual)^{4, 8, 14}

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 58II^{4, 14}, 56-57II⁸

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.):**