

Species Datasheet

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Datasheet No. P-042.010.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Stegnogramma pozoi* (Lag.) K. Iwats.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichum pilosiusculum Wikstr.

Dryopteris africana (Desv.) C. Chr.

Gymnogrammapozoi (Lag.) Desv.

Gymnogrammatotta Schltdl.

Hemionitis pozoi Lag.

Lastrea africana (Desv.) Ching

Lastreatotta (Schltdl.) Ohwi

Leptogrammapilosiuscula (Wikstr.) Alston

Leptogrammapozoi (Lag.) Ching

Leptogrammatotta (Schltdl.) J. Sm.

Nephrodium tottum (Schltdl.) Diels

Polypodium africanum Desv.

Thelypteris pozoi (Lag.) C.V. Morton

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Stegnogramma* Blume
- Species: *Stegnogramma pozoi* (Lag.) K. Iwats.

- Subspecies:
- *Variety*:

4.Distribution:

Global:Algeria, Bioko, Cameroon, Comoro Isl. Ethiopia, Kenya, Madagascar, Malawi, Morocco, Rwanda, South Africa, Sudan, Swaziland, Tanzania, Uganda, Zimbabwe.

India: Himachal Pradesh, South India-(Palni Hills, Kodaikanal, Shevaroy Hills, Nilgiris)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Lithophyte, terrestrial. In deep shade on forest floor and more rarely on mossy rocks along mountain streams in evergreen forest, 1000 - 2160 m,

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s): $x=36^{2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13}$

13. Zygotic chromosome number(s): $2n=144^{11, 12}$

14. Gametic chromosome number(s): $n=36^6$,

$72^{2, 3, 4, 7, 8, 9, 10, 13}$

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

Image file

16.Ploidylevel:Diploid (sexual) 6

Tetraploid (sexual) $^{2, 3, 4, 7, 8, 9, 10, 11, 12, 13}$

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: 36II^6

Tetraploid: $72\text{II}^{2, 3, 4, 7, 8, 9, 10, 13}$

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.):