

Species Datasheet

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Datasheet No. P-030.011.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pityrogramma calomelanos* (L.) Link

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[Acrostichumcalomelanos L.](#)

[Ceratopteriscalomelanos \(L.\) Underw.](#)

[Ceropteriscalomelanos \(L.\) Link](#)

[CeropterisserrataFée](#)

[Gymnogrammacalomelanos \(L.\) Kaulf.](#)

[Gymnogrammacalomelanos var. aureoflava Hook.](#)

[Gymnogrammacalomelanos var. denudataHarr.](#)

[Gymnogrammacalomelas Link](#)

[Neurogrammacalomelanos \(L.\) Diels](#)

[Pityrogrammacalomelanos var. calomelanos](#)

[PityrogrammainsularisDomin](#)

3. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C. Chr. Ex Crabbe, Jermy&Mickel
- Genus: *Pityrogramma* Link
- Species: *Pityrogramma calomelanos* (L.) Link
- Subspecies:

- Variety:

4.Distribution:

Global: Tropics and subtropics of the world

India: Eastern Himalayas (Darjeeling, Sikkim), Kerala, Shevroy hills, Maharashtra (Mahabaleshwar, Lonawala, Hkandala), Tamil Nadu (Madurai, Palni hills, Perumalai), Kodaikanal,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: On open mountain slopes in recently felled areas or along new roads at low or medium altitudes.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=29^{1, 4, 5, 6}, 30^{2, 7}$

13. Zygotic chromosome number(s): $2n=232^1$

14. Gametic chromosome number(s): $n=c.120^8,$

120^{2, 7},

116^{1, 4, 5, 6}

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

Image file

16.Ploidy level:Octoploid (sexual)^{1, 2, 4, 5, 6, 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 Octoploid: $120\text{II}^{2, 7, 8}$,
 $116\text{II}^{1, 4, 5, 6}$

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.):