

Species Datasheet

Datasheet No. P-051.018.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Colysis insignis* (Blume) J. Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Colysis dilatata (Bedd.) J. Sm.

Drynariadecurrens Brack.

Kauliniadilatata B.K. Nayar & S. Kaur

Kaulinia hancockii (Baker) B.K. Nayar

Microsorium decurrens (Brack.) Copel.

Microsorium hancockii (Baker) Ching

Microsorium insigne (Blume) Copel.

Pleopeltis decurrens (Brack.) T. Moore

Pleopeltis dilatata Bedd.

Pleopeltis dolichoptera (Copel.) Alderw.

Pleopeltis insignis (Blume) Bedd.

Pleopeltis insignis f. *aperta* Alderw.

Pleopeltis rivularis Alderw.

Polypodium anceps (Christ) C. Chr.

Polypodium diffundens Kunze

Polypodium dolichopterum Copel.

Polypodium euryphyllum C. Chr.

Polypodium hancockii Baker

Selliguea anceps Christ

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.

- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Colysis* C.Presl.
- Species: *insignis* (Blume) J.Sm.
- Subspecies:
- Variety:

4.Distribution:

Global: Taiwan (Taiwan) Asia-Tropical:; Borneo; Jawa (Jawa); Lesser Sunda Is.; Malaya (Peninsular Malaysia); Philippines (Philippines); Sumatera (Sumatera) Flores: Himalayas: Japan:

Himalayas to Indochina, Taiwan, Japan. In Malesia: Sumatra, Peninsular Malaysia, Java, Lesser Sunda Islands (Flores), Borneo, Philippines.

India: Himalayas

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): $x=36^{6, 11}$

13. Zygotic chromosome number(s): $2n=72$ ¹¹

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

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

Image file

16.Ploidylevel:Diploid (sexual)^{6, 11}

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^{36II⁶}

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.):