Species Datasheet

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Datasheet No. P-030.010.007
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Onychium siliculosum* (Desv.) C. Chr.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Allosorusauratus (Kaulf.) C. Presl
Cryptogrammaaurata (Kaulf.) Prantl
*Onychiumauratum*Kaulf.
*Onychiumaureum*Kümmerle
Onychiumchrysocarpus (Hook. &Grev.) C. Chr.
Onychiumsiliculosum var. *chrysocarpum* (Hook. &Grev.) Tardieu & C. Chr.
Onychiumtenue Christ
*Onychiumviviparum*Kümmerle
Phorolobussiliculosum (Desv.) Desv.
Pterisaurata (Kaulf.) Mett.
Pterischrysocarpa Hook. &Grev.
Pterischrysosperma Hook. &Grev.
*Pterissiliculosa*Desv.

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: *Onychium* Kaulf.
- Species: *Onychium siliculosum* (Desv.) C.Chr.
- Subspecies:

- Variety:

4.Distribution:

Global: China (Yunnan, Xizang, E Hainan), Bangladesh, Bhutan, Taiwan, Cambodia, India, Malaysia, Myanmar, Nepal, Thailand, Vietnam, Oceania

India: Himalayas (Darjeeling, Uttarakhand, Sikkim)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Rock crevices of dry valleys 100-1500m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=29[4, 7, 10, 14, 15, 16, 17, 19, 20, 21] ,30[18]

13. Zygotic chromosome number(s):2n=58[15, 16] ,

60[18]

14. Gametic chromosome number(s):n=29[4, 7, 10, 14, 15, 16, 17, 19, 20, 21] ,

30^{18}

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

Image file

16.Ploidy level: Diploid (sexual)[4, 7, 10, 14, 15, 16, 17, 18, 19, 20, 21]

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: 29II[4, 7, 10, 14, 15, 16, 17, 19, 20, 21] ,

30II[18]

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.):