Species Datasheet

Datasheet No. P-045.010.011
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Dryopteris chrysocoma* (Christ) C. Chr.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Aspidiumchrysocoma (Christ) Christ
Aspidiumfilix-mas var. *chrysocoma* Christ
Dryopterischrysocoma var. *chrysocoma*
***Dryopterischrysocoma* var. *gracilis*Ching**
***Dryopterischrysocoma* var. *major*Ching**
*Dryopterisfangii*Ching, Fraser-Jenk. & Z.R. Wang
Dryopterismacrocarpa R.R. Stewart
*Dryopterisparachrysocoma*Ching& Z.R. Wang
Nephrodiumchrysocoma (Christ) Hand.-Mazz.

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Dryopteris* Adans.
- Species: *Dryopteris chrysocoma* (Christ) C.Chr.
- Subspecies*:*
- Variety

4.Distribution:

Global: China, Tibet, India, Nepal, Bhutan, Pakistan, Philippines, Myanmar , Vietnam, SriLanka

India: Throughout Himalayas, Peninsular India

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Thickets, broad-leaved evergreen forests, forest margins; 2400-3000 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=41[8, 18, 19, 38, 43, 55, 56, 62, 85]

13. Zygotic chromosome number(s):2n=82[19]

14. Gametic chromosome number(s):n=41[8, 38, 43, 55, 56, 62, 85],

82[18]

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

Image file

16.Ploidylevel: Diploid (sexual)[8, 19, 38, 43, 55, 56, 62] ,

Tetraploid (sexual)[18]

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: 41II[8, 38, 43, 55, 56, 62, 85],

Tetraploid: 82II[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.):