

Species Datasheet

Datasheet No. P-045.010.030
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dryopteris komarovii* Kossinsky

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dryopteris barbigera subsp. *komarovii* (Kossinsky) Fraser-Jenk.

Dryopteris subbarbigera Ching

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Dryopteridaceae Herter
- Subfamily: Dryopteridoideae B.K. Nayar
- Genus: *Dryopteris* Adans.
- Species: *Dryopteris komarovii* Kossinsky
- Subspecies:
- Variety:

4. Distribution:

Global: China (Gansu, Qinghai, Shaanxi, Sichuan, Taiwan, Xizang, Yunnan), Bhutan, India, Myanmar, Nepal, Pakistan, Russia

India: Kashmir to Eastern Himalayas

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Thickets, rock crevices, forests, grasslands on slopes; 2800-4500 m.

8. Life Form:

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=41^{43, 56}$

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

14. Gametic chromosome number(s): $n=41^{43, 56}$

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

Image file

16. Ploidy level: Diploid (sexual) $^{43, 56}$

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 41II ^{43, 56}

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.):