

Species Datasheet

Datasheet No. P-051.023.008
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lepisorus excavatus* (Bory ex Willd.) Ching

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Phymatodes excavata (Bory ex Willd.) C. Presl

Polypodium excavatum Bory ex Willd.

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Lepisorus* (J.Smith) Ching
- Species: *Lepisorus excavatus* (Bory ex Willd.) Ching
- Subspecies:
- Variety:

4.Distribution:

Global: South Africa (Limpopo, Mpumalanga), Zambia, E-Zimbabwe, Malawi, Mozambique, Madagascar, +Mauritius, La Réunion, Uganda, Kenya, Tanzania, Sao Tomé, Bioko Isl. (Fernando Poo), Guinea, Sierra Leone, Liberia, Ivory Coast, Nigeria, Cameroon, Annobon Isl., Equatorial Guinea, D.R.Congo (Zaire), Rwanda, Burundi, Angola, Somalia, Ethiopia, Sudan, Comores (Mayotte, etc.), Congo

India: Throughout 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): $x=35^{5, 9, 12, 23, 24, 33}$

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

14. Gametic chromosome number(s): $n=35^{5, 9, 12, 23, 24, 33}, 70^1$

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

Image file

16. Ploidy level:Diploid (sexual) $^{5, 9, 12, 23, 24, 33},$

Tetraploid (sexual) 1

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: 35II⁵, 9, 12, 23, 24, 33 ,

Tetraploid: 70II¹

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.):