

Species Datasheet

Datasheet No. P-006.002.004

(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Ophioglossum lusitanicum* subsp. *coriaceum* (A.Cunn.) R.T.Clausen

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Ophioglossum coriaceum A. Cunn.

Ophioglossum gramineum Willd.

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Ophioglossidae Klinge
- Order: Ophioglossales Link
- Family: Ophioglossaceae Martinov.
- Subfamily:
- Genus: *Ophioglossum* L.
- Species: *Ophioglossum lusitanicum* (A.Cunn.) R.T.Clausen
- Subspecies: *Ophioglossum lusitanicum* subsp. *coriaceum* (A.Cunn.) R.T.Clausen
- Variety:

4. Distribution:

Global: Australia: ([New South Wales](#), [Tasmania](#), [Queensland](#)), South America (Bolivia, Chile)

India:

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

6. Threat Status:

IUCN: Vulnerable

BSI:

7. Habit and Habitat: damp grassy open sites; from coast meadows to alpine grassland

8. Life Form: small winter annual fern

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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2C (129.55 pg) ²⁹	Flow cytometry ²⁹
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12. Basic chromosome number(s): x=30 (Palaeobasic)²⁸, 120 (Neobasic)²⁸

13. Zygotic chromosome number(s): 2n=240²⁸,

c.720²⁹,

14. Gametic chromosome number(s): n=

108^{14, 15},

110⁶,

116^{14, 15},

116-122⁹,

120^{6, 9, 14, 15, 19, 28, 20},

212^{14, 15},

510^{44, 46},

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene

chromosomes/Neocentric chromosomes):

Image file

16.Ploidylevel:Octoploid/Diploid^{9, 28, 14, 15, 19, 20} ,

Octoploid (aneuploid)/Diploid (aneuploid)^{6, 9, 14, 15} ,

14-ploid (aneuploid)/ Tetraploid (aneuploid)^{14, 15} ,

24-ploid/Hexaploid²⁹ ,

34-ploid/ Octoploid (aneuploid) ^{44, 45}

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

Octoploid/Diploid: 120II^{9, 14, 15, 19, 20, 28},

14-ploid (aneuploid)/Tetraploid (aneuploid): 212II^{14, 15},

34-ploid/Octoploid (aneuploid)510II^{44, 45}

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.):