

# Species Datasheet

-  
Datasheet No. P-006.002.003  
- (family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Ophioglossum eliminatum* Khand. & Goswami (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms: Nil

## 3.Systematic Position:

**Christenhusz 2011**

- Class: Equisetopsida C.Agardh
- Subclass: Ophioglossidae Klinge
- Order: Ophioglossales Link
- Family: Ophioglossaceae Martinov.
- Subfamily:
- Genus: *Ophioglossum* L.
- Species: *Ophioglossum eliminatum* Khand. & Goswami (unresolved)
- Subspecies:
- Variety:

## 4.Distribution:

### Global:

India (Assam, Madhya Pradesh, Gujarat, West Bengal, Uttarakhand, Tamil Nadu), Nepal, Myanmar [Burma], ?Thailand, Vietnam, Sumatra, Java, Lesser Sunda Isl. (Lombok), Sulawesi, Philippines, New Guinea, peninsular Malaysia (Malacca), Moluccas (Seram), Sri Lanka, Solomon Isl. (Bougainville), Bismarck Arch. (Admiralty Isl., New Ireland), Volcano Isl. (Iwojima, Kita-Iwojima), China (SW-Sichuan, Yunnan), South Africa (W-Cape Prov., W-N-Cape Prov., E-Cape Prov.), Uganda, Madagascar, Australia (Northern Territory, Queensland), Hawaii (Kauai, Oahu, Maui, Hawaii), Southern Marianas (Rota Isl., Guam, Saipan), Palau Isl. (Ngrerengong), Micronesia (Ulithi), Western Samoa (Savaii), Marquesas Isl. (Eiao), New Caledonia

**India:** Assam, Madhya Pradesh, Gujarat, West Bengal, Uttarakhand, Tamil Nadu

## 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):** $x=30$ (Palaeobasic)<sup>6, 9, 15, 16</sup>, 120 (Neobasic)<sup>6, 9, 15, 16</sup>

**13. Zygotic chromosome number(s):** $2n=180$ <sup>6, 9, 15, 16</sup>

**14. Gametic chromosome number(s):** $n=90$ <sup>6, 9, 15, 16</sup>,

$110$ <sup>7, 9, 15</sup>,

$86\pm 4$ <sup>9, 15</sup>,

$120$ <sup>9, 15</sup>,

$33\pm 2$ <sup>9, 15</sup>,

$88\pm 2$ <sup>8, 12, 15</sup>,

$30$ <sup>14, 15</sup>,

$34$ <sup>14, 15</sup>,

$60$ <sup>14, 15</sup>,

90±2<sup>6, 7, 8</sup>,

100<sup>14, 15</sup>,

120<sup>14, 15</sup>,

110<sup>14, 15</sup>,

115<sup>14, 15</sup>,

90<sup>14, 15</sup>,

c.3607

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

Image file

**16.Ploidy level:** Diploid<sup>14, 15</sup>,

Diploid (aneuploid)<sup>9, 15</sup>,

Tetraploid<sup>14, 15</sup>,

Hexaploid<sup>6, 7, 8, 12, 14, 15, 16</sup>,

Hexaploid (aneuploid)/Diploid<sup>9, 14, 15</sup>,

Octoploid / Diploid<sup>14, 15</sup>,

Octoploid (aneuploid)/Diploid (aneuploid)<sup>14, 15</sup>,

24-ploid/ Hexaploid<sup>7</sup>

Image file

**17.Agametoploidy:**

**18.Nature of polyploidy (auto, segmental, allo, autoallo):**

**19.Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**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:  $30\text{II}^{14, 15}$  ,

Diploid (aneuploidy):  $34\text{II}^{14, 15}$  ,

Tetraploid:  $60\text{II}^{14, 15}$  ,

Hexaploid:  $90\text{II}^{6, 9, 14, 15, 16}$  ,

90II+ 2 microchromosomes<sup>6, 7, 8</sup>,

Octoploid (aneuploid):110II<sup>7, 9, 14, 15</sup>,

115II<sup>14, 15</sup>,

Octoploid: 120II<sup>9, 14, 15</sup>,

24-ploid: c.360II<sup>7</sup>

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.):**