

# Species Datasheet

Datasheet No. P-051.007.003  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Phymatosorus longissimus* (Blume) Pic. Serm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Colysislongissima* (Blume) J. Sm.

*Phymatodeslongissima* (Blume) J. Sm.

*Pleopeltislongissima* (Blume) T. Moore

*Polypodiumlongissimum* Blume

*Polypodiumsuisha-stagnale* Hayata

## 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: *Phymatosorus*
- Species: *Phymatosorus longissimus* (Blume) Pic.Serm.
- Subspecies:
- Variety:

## 4.Distribution:

**Global:** E. Asia - southern China, Japan, India, Sri Lanka, Vietnam, Thailand, Malaysia, Indonesia, Philippines, Polynesia

**India:** Kerala, Assam

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

**6.Threat Status:**

**IUCN:**

**BSI:**

**7.Habit and Habitat:** Rather wet places at low elevations

**8.Life Form:**

**9.Economic Importance:**Young shoots and leaves - raw or cooked

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=37^{20, 21, 26}$

**13. Zygotic chromosome number(s):** $2n=74^{20, 21, 26}$

**14. Gametic chromosome number(s):** $n=37^{21, 26}$

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

Image file

**16.Ploidy level:**Diploid(sexual) <sup>21, 26</sup>

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** 37 II<sup>21, 26</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; Translocation etc.):**