

Species Datasheet

Datasheet No. P-002.002.010
(family.genus.species)

1.Taxon:

DBT- Network Programme

Species: *Isoetes tuberculata* Gena & Bhardwaja (unresolved)

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Lycopodiidae Bek.
- Order: Isoetales Prantl
- Family: Isoetaceae Reichenb.
- Subfamily:
- Genus: *Isoetes* L.
- Species: *Isoetes tuberculata* Gena & Bhardwaja (unresolved)
- Subspecies:
- Variety:

4.Distribution:

Global:Australia (Western Australia); India, Thailand; Viet Nam

India: Andhra Pradesh, Bihar, Gujarat, Kerala, Madhya Pradesh, Maharashtra, Orissa, Tamil Nadu

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:in degraded wetlands, temporary pools and laterite pools. It is also reported from lakes and hill topes

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
---------	-------------

12.Basic chromosome number(s): $x=11^{15, 18}$

13. Zygotic chromosome number(s): $2n=22+1f^{15, 18}$,
 $33+1f^2$,
 44^2

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:Diploid ^{15, 18} ,

Triploid ² ,

Tetraploid²

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

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.):