

Species Datasheet

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Datasheet No. P-015.001.001
- (family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Anemia rotundifolia* Schrad.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

3.Systematic Position: Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Schizaeales Shimp
- Family: Anemiaceae Link
- Subfamily:
- Genus: *Anemia* Sw.
- Species: *Anemia rotundifolia* Schrad.
- Subspecies:

4.Distribution:

Global:native to South Brazil

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Perennials tolerate temperatures only above at least 1°C

8.LifeForm:Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=38^{1, 3, 4, 5}$

13. Zygotic chromosome number(s): $2n=152^8$

14. Gametic chromosome number(s): $n=38^{1, 3, 4, 5}$

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

Image file

16.Ploidy level:Diploid (sexual) $^{1, 3, 4, 5}$,

Tetraploid (sexual) 8

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 38II^{1, 3, 4, 5}

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.):