

# Species Datasheet

Datasheet No. A-028.010.007  
(family.genus.species)

DBT- Network Programme

-

## 1. Taxon:

Species

Subspecies

Variety *Cryptocoryne spiralis* var. *cognatoides* (Blatt. & McCann) S.R.Yadav, K.S.Patil & Bogner

Cultivar

Hybrid

Image file

## 2. Synonyms: *Cryptocoryne cognatoides* (Blatt. & McCann)

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Cryptocoryne* Fisch. ex Wydler
- Species: *C. spiralis* (Retz.) Fisch. ex Wydler
- Variety: *Cryptocoryne spiralis* var. *cognatoides* (Blatt. & McCann) S.R.Yadav, K.S.Patil & Bogner

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Nudiflorae

Ordo: Aroideae Arn.

Genus: *Cryptocoryne* Fisch. ex Wydler

Species: *C. spiralis* (Retz.) Fisch. ex Wydler

Variety: *Cryptocoryne spiralis* var. *cognatoides* (Blatt. & McCann) S.R.Yadav, K.S.Patil & Bogner

## 4. Distribution:

**Global:** India

**India:** South India

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

## 6. Threat Status:

**IUCN:**

**BSI:**

## 7. Habit and Habitat: Rhizomatous herbs. Tropical Moist Forest

## 8. Life Form: Rhizomatous geophyte

## 9. Economic Importance:

## 10. Probable Progenitor of:

## 11. DNA

C- value

Methodology

## 12. Basic chromosome number(s):

**13. Zygotic chromosome number(s):**  $2n=72$  <sup>12</sup>

**14. Gametic chromosome number(s):**

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

Image file

**16. Ploidy level:**

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** Very small <sup>12</sup>

**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; Translocations etc):**

































































































































































































































































































































































































