

# Genus Datasheet

DatasheetNo. A-044.001  
(Family.Genus)

DBT- Network Programme

1. Genus:*Burmannia* L.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Dioscoreales Mart.
- Family: Burmanniaceae Blume
- Genus: *Burmannia* L.

**Bentham and Hooker(1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Microspermae  
Ordo: Burmanniaceae Blume  
Genus: *Burmannia* L.

3. Species:

**Global:** 56

**India:**9

4. Taxonomic riddles:

5. Distribution:

**Global:** Tropical and Subtropical countries

**India:** South West to Eastern India

6. Habit and Habitat:Herb.In grassland, marshy places.

7.Economic Importance:

8. DNA content range:

**Methodology:**

9.Basic chromosome number(s): $x=6^3$

10.Zygotic chromosome number(s): $2n=12^1$

$2n=16^6$

$2n=24^3$

$2n=32^{5,7}$

$2n=30-36^4$

$2n=36^7$

$2n=60^3$

$2n=64-72^2$

$2n=120^3$

$$2n=136^7$$

$$2n=176^3$$

**11. Gametic chromosome number(s):**  $n=6^1$

$$n=16^7$$

$$n=32-36^2$$

$$n=88^2$$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ N chromosomes):**

**13. Ploidy level:**

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

**15. Aberrantchromosomenumber(s) (aneuploidy,aneusomaty, polysomaty):**

**16.Karyograms:**<sup>3</sup>

**Meiosis:**

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:**

**GISH:**

**19.Phylogenetic relationship atChromosomal; DNA level:DNA level<sup>8,9,10,11</sup>**

**20. Cytogenetic mechanism(s) underlying evolution**

**21. Linkage map:**

**22. Any other information:**

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