

## Species Datasheet

Datasheet No. A-028.006.001  
(family.genus.species)

DBT- Network Programme

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### 1. Taxon:

Species *Aglaonema commutatum* Schott

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Aglaonema commutatum* var. *commutatum*, *A. commutatum* var. *robustum* (Alderw.) Nicolson, *A. maculatum* Blume, *A. marantifolium* var. *commutatum* (Schott) Engl., *A. robustum* Alderw.

### 3. Systematic Position:

#### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Aglaonema* Schott
- Species: *A. commutatum* Schott

#### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Nudiflorae  
Ordo: Aroideae Arn.  
Genus: *Aglaonema* Schott  
Species: *A. commutatum* Schott

### 4. Distribution:

**Global:** Philippines, Sulawesi

**India:** East India

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

### 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Evergreens herb. Tropical Moist Forest

### 8. Life Form:

**9. Economic Importance:** Cultivated in gardens for its ornamental value

### 10. Probable Progenitor of:

### 11. DNA

C- value

Methodology

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n = 120$  <sup>1,3</sup>  
 $2n = 119$   $(118-120)$  <sup>2</sup>  
 $2n = 14$  <sup>4</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):** variant

**21. Somatic chromosomes:**

**Karyotype:** Majority subtelocentric chromosomes <sup>4</sup>

**Chromosome size:** Small <sup>4</sup>

**NOR chromosome(s):** 2 NOR <sup>4</sup>

**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** <sup>5,6</sup>

**29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):**