

# Species Datasheet

Datasheet No. A-073.002.025  
(family.genus.species)

DBT- Network Programme

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## 1. Taxon:

Species *Allium prattii* C.H.Wright

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Allium cannifolium* H. Lev., *A. ellipticum* Wall ex Kunth, *A. prattii* var. *ellipticum* F.T.Wang & Tang, *A. prattii* var. *vinicolor* F.T.Wang & Tang, *A. victorialis* var. *angustifolium* Hook.f.

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Subfamily: Allioideae Herb.
- Genus: *Allium* L.
- Species: *A. prattii* C.H.Wright

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Liliaceae Juss.  
Genus: *Allium* L.  
Species: *A. prattii* C.H.Wright

## 4. Distribution:

**Global:** China, India, Myanmar, Nepal, Tibet

**India:** East Himalayas

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

## 6. Threat Status:

**IUCN:** Not been assessed yet

**BSI:**

**7. Habit and Habitat:** Herbaceous; temperate mixed forest

**8. Life Form:** Bulbous geophyte.

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

**C- value**

**Methodology**

**12. Basic chromosome number(s):**  $x = 8^{103}$

**13. Zygotic chromosome number(s):**  $2n = 16^{103,236,237,238}$

$2n = 32^{237,238,239}$

**14. Gametic chromosome number(s):**  $n = 16^{240}$

**15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):** B chromosomes  $(2)^{238}$

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**16. Ploidy level:** Diploid<sup>103,238</sup>, Tetraploid<sup>238</sup>

Image file

**17. Agametoploidy**

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

**19. Genomic formula:**

**20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

**21. Somatic chromosomes:**

**Karyotype** Majority metacentric chromosomes<sup>103,238</sup>

**Chromosome size**

**NOR chromosome(s)** 2 NOR<sup>103,238</sup>, 4 NOR<sup>238</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**

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