

Datasheet No. A-097.001.030  
(family.genus.species)

DBT- Network Programme

**1. Taxon:**

Species: *Juncus thomsonii* Buchenau

Subspecies

Variety

Cultivar

Hybrid

Image file

**2. Synonyms:** *Juncus leucomelas* var. *thomsonii* (Buchenau) Buchenau, *J. thomsonii* var. *fulvus* K.F.Wu

**3. Systematic Position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Poales Small
- Family: Juncaceae Juss.
- Genus: *Juncus* L.
- Species: *J. thomsonii* Buchenau

**Bentham and Hooker (1862)**

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Calycineae
- Ordo: Juncaceae Juss.
- Genus: *Juncus* L.
- Species: *J. thomsonii* Buchenau

**4. Distribution:**

**Global:** China, India, Kirgizstan, Myanmar, Nepal, Pakistan, Tadzhikistan, Tibet

**India:** Arunachal Pradesh, Himachal Pradesh, Jammu Kashmir, Sikkim, Uttarakhand

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

**6. Threat Status:**

IUCN:

BSI:

**7. Habit and Habitat:** Rhizomatous herb; alpine bogs and meadows

**8. Life Form:**

**9. Economic Importance:**

**10. Probable Progenitor of:**

**11. DNA**

C-value

Methodology

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

**13. Zygotic chromosome number(s):**

**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, aneusomy, polysomy):**

**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**

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):**