

Species Datasheet

Datasheet No.A-140.036.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Thermopsis lanceolata* R. Br
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Thermopsis lanceolata* var. *lanceolata*, *T. sibirica* Czefr.

3. Systematic Position:

- APG IV (2016)**
- Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Eudicots
 - Clade: Superrosids
 - Clade: Rosids
 - Clade: Fabids
 - Order: Fabales Bromhead
 - Family: Fabaceae Lindl.
 - Genus: *Thermopsis* R. Brown
 - Species: *T. lanceolata* R. Br

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Thermopsis* R. Brown
Species: *T. lanceolata* R. Br

4. Distribution:

Global: China, Mongolia and Nepal

India:

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Herb. Found in Grasslands, ravines, waste fields

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value **Methodology**

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

13. **Zygotic chromosome number(s):** $2n = 18^1$

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

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;Translocationsetc.):