Species Datasheet

Datasheet No. A-140.083.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Trigonellaemodi*Benth.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Melilotusemodi* Wall

Trigonellaemodi var. himalaica Sirj.

3.Systematic position: APG; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus:Trigonella L.
- Species:*Trigonellaemodi*Benth.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: Trigonella L.
Species: Trigonella*emodi*Benth.

4.Distribution:

Global: China, Nepal, Pakistan

India: Himachal Pradesh

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Annual

8.Life Form: Herb

9.Economic Importance: Folk medicine

10. Probable Progenitor of:

11.DNA
C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=16[26]

14. Gametic chromosome number(s):n=8[27- 31]

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

16.Ploidy level: Diploid[29, 30, 31]

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

22. Banding pattern(s):
23.Physical mapping of chromosomes:
In situ hybridization
Fluorescent in situ hybridization

24.Genomic in situ hybridization:

25. Linkage map:

26.Chromosome associations:

Female meiosis

Male meiosis: 8 II[29, 30]

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

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