

Species Datasheet

Datasheet No. A-140.021.001
(Family.Genus.Species)

DBT- Network Programme

1. Taxon:

Species: *Rothia indica* (L.) Druce

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Dillwynia trifoliata* Roth, *Lotus indicus* Desr., *Rothia trifoliata* (Roth) Pers., *Trigonella indica* L., *Westonia indica* (L.) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae
- Genus: *Rothia*
- Species: *R. indica*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales
Ordo: Leguminosae
Subordo: Papilionaceae
Genus: *Rothia*
Species: *R. indica*

4. Distribution:

Global: Asia and Australia

India: Andhra Pradesh, Bihar, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Pondicherry, Punjab, Tamil Nadu, Uttar Pradesh and West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herbs; Sandy areas; near sea level.

8. Life Form: Chamaephytes

9. Economic Importance: Medicinal

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=6$ ¹

13. Zygotic chromosome number(s): $2n=12$ ¹, $2n=14$ ^{2,3}

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:¹

Karyotype Majority metacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetry Symmetrical

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.):