Genus Datasheet

Datasheet No. A-140.034
(Family.Genus)

DBT- Network Programme

1. Genus:*Smithia*Aiton

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Smithia* Aiton

Bentham and Hooker (1862)

Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus:*Smithia*Aiton

3. Species:

Global: 22

India: 17

4. Taxonomic riddles:

5. Distribution:

Global: Australia, Bhutan, China, Fujian, Guangdong, Guangxi, Guizhou, Hainan, India,Indonesia, Japan, Laos, Java, Lesser Sunda Island, Malaysia, Myanmar, Nepal,Pakistan,Papua New Guinea, Philippines, Queensland, Sabah, Sichuan, Sulawesi, Sri Lanka, Sulawesi, Taiwan, Thailand, Vietnam, Yunnan

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal, Yanan, Andaman Is, Madagascar, Nicobar Is

6. Habit and Habitat: Herbs to subshrubs.Seasonally dry tropical grasslands, marshy areas and streamside.

7.Economic Importance: Used for forage, human food, medicine and as soap substitutes, a antiulcer.

8. DNA content range: **Methodology**

9. Basic chromosome number(s):x=19 [8]

10. Zygotic chromosome number(s):2n= 38[1,4,5,6,7,8,9],2n=32[2]

11. Gametic chromosome number(s): n= 19 [1,3,5,8,9]

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/ Neocentric chromosomes):

13. Ploidy level:

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: [8]**Meiosis:** [1,3,5,8,9]

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

Smithia grandis Baker

Smithia hirsuta Dalzell

Smithia laxiflora Benth.

Smithia oligantha Blatt.

Smithia salsuginea Hance

Smithia purpurea Hook

Smithia venkobarowii Gamble

Smithia pycnantha Baker

Smithia setulosa Dalzell