

Study of parental polymorphism in sesamum (*Sesamum indicum* L.) using SSR markers

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SUMMARY

The present investigation has been undertaken to study the polymorphism between the two diverse sesamum genotypes *i.e.* Swetha til, a high yielding popular white seeded variety but susceptible to powdery mildew and BB3-8 accession of *Sesamum mulayanum* resistant to powdery mildew from RARS, Jagtial. The variation among these parents was characterized using 300 SSR markers, out of which 240 showed clear amplification pattern and 24 markers exhibited polymorphism (10%). The results indicating that there is high conservation of coding sequences among the genotypes within the species.

Key Words : Sesamum, Parental polymorphism, SSR markers

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