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Identification of maintainers and restorers for CMS lines of rice

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■ SAMRATH BEDI AND DEEPAK SHARMA¹

AUTHORS' INFO

Associated Co-author :

¹Department of Genetics and Plant Breeding, College of Agriculture, Indira Gandhi Krishi Vishwavidyalaya, RAIPUR (C.G.) INDIA
Email: deepakigkv@gmail.com

Author for correspondence: SAMRATH BEDI

Department of Genetics and Plant Breeding, College of Agriculture, Indira Gandhi Krishi Vishwavidyalaya, RAIPUR (C.G.) INDIA
Email: esha0402@gmail.com

ABSTRACT : The availability of stable cytoplasmic male sterility and fertility restoring system is vital for commercial exploitation of heterosis in rice. The biological material used in the present study comprised of three CMS lines viz., CRMS 31A, IR 58025A and IR79156A and five testers viz., NPT 453-2, NDR 8054 (IR 77768-25-NDR-B-108-14), CR 2330-3-3-2-1-1, NPT 76-8 and PR-115. Parents NPT 76-8 and CR 2330-3-3-2-1-1 were identified as potential restorers, whereas NPT 453-2, NPT 76-8, PR-115 and NDR 8054 (IR 77768-25-NDR-B-108-14) were identified as potential maintainers.

Key Words : CMS lines, Restorers, Maintainers, Rice

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