

Four more symbiotic mutants obtained using EMS mutagenesis of line SGE

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Previously we described isolation of series of symbiotic mutants (4) on laboratory line SGE (3). In this study four new symbiotic mutants: SGENod⁻6, SGENod⁻7, SGEFix⁻3 and SGEFix⁻4 were obtained using EMS mutagenesis (0.15% EMS during 10 h) of line SGE. Mutant SGENod⁻6 is unable to form any nodules, mutant SGENod⁻7 forms few or no nodules. Mutants SGEFix⁻3 and SGEFix⁻4 form pink-greenish non-fixing nodules. Tests for allelism have revealed that mutant SGENod⁻6 is allelic to mutant E69 (*sym7*) (2), mutant SGEFix⁻3 is allelic to mutant P63 (*sym26*) (1, and G. Duc, M. Sagan, pers. comm.). For mutants SGENod⁻7 and SGEFix⁻4 tests for allelism have not been completed yet.

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