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Evaluation of Resistance to Bacterial Wilt and Breed Resistant Rootstock Cultivar in *Capsicum annuum* L

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Bacterial wilt, which is a serious problem for Solanaceae crops, is c *solanacearum* (Smith, 1896) Yabuuchi et al. 1995. To protect agai a resistant cultivar and using biological pest control have been consi However, because the trait of resistance to bacterial wilt is assumed multiple genes, selective breeding of the resistant cultivar is very diff attempted to breed a new rootstock cultivar with resistance to pepp

First we carried out inoculating test to the resistant line (MZC-180)
potential lines (Shikou Nos. 1–6). Inoculation test with *R. solanace*
MZC-180 and its six breeding lines possessed obviously higher res
than the sweet pepper cultivar used for comparison. Furthermore, N
Nos. 3, 4, 5 and 6 showed higher resistance than the resistant roots
pepper ‘Daisuke’. On inoculation tests with five strains of the disea
Shikou Nos. 3, 4, 5 and 6 also showed higher resistance than ‘Dais
comparison with several Solanaceous plants, MZC-180 and Shikou
resistance than all the other tested plants.

Key Words: anther culture, doubled haploid, *Ralstonia solanace*

[PDF (635K)] [References]

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