

## Proteomics of pAFY414 based on LC-tandem MS

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### Abstract

Phytophthora capsici infests pepper worldwide. It has been reported loss of pepper is almost 20%. Since chemical treatment causes phytotoxicity and chemical residues, alternative control methods should be developed. Biological control can be a candidate because it is effective and safe. 1) Enterobacter sp. KIAS54 reducing P. capsici was isolated from soil. 20kb chromosomal DNA fragment was selected from KIAS54 and it was transferred into E. coli MC1061 which does not show any activity against P. capsici. The transformant was named pAFY414. 2) Because while pAFY414 shows an activity against P. capsici, MC1061 does not show, we tried to find different proteomes based on LC-tandem MS.

### References

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