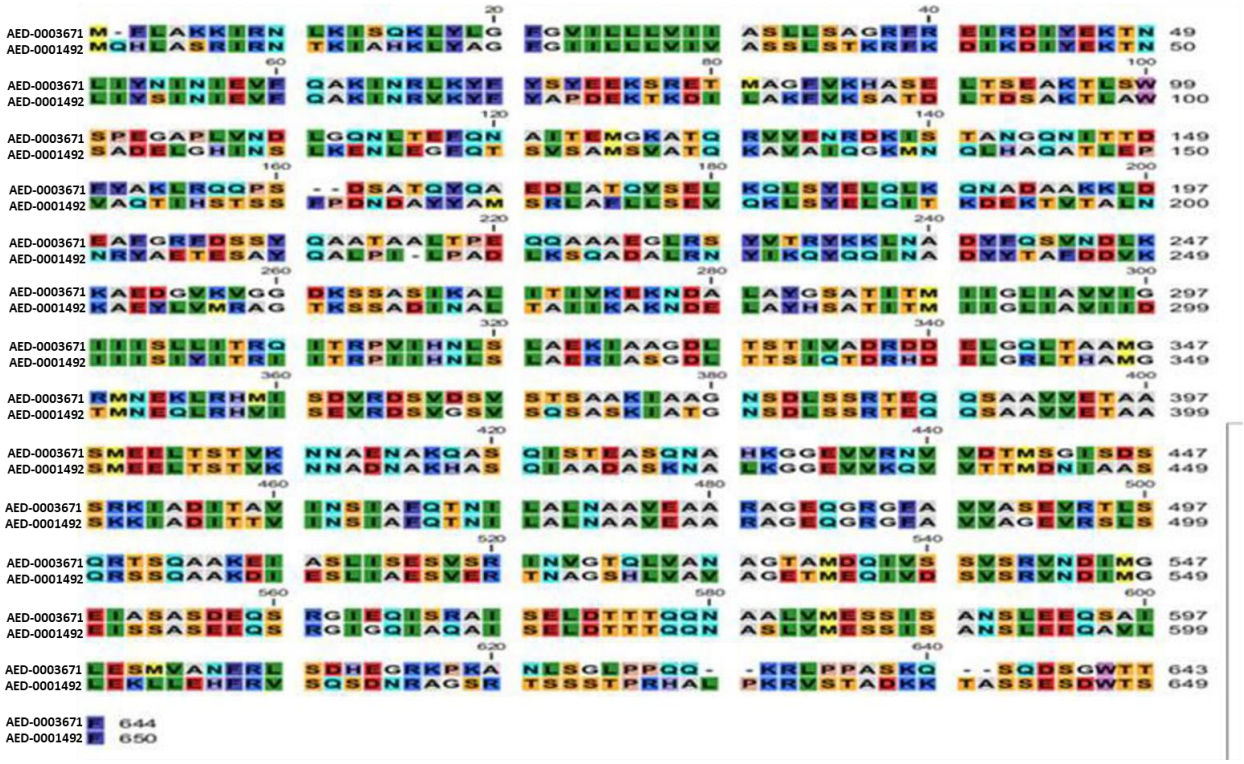

Fig S1. Alignment of the AED-0001492 and AED-0003671 proteins associated with *Pb 1692* methyl-accepting proteins (MCPs). The alignment shows 61 % similarity between AED-0001492 and AED-0003671 proteins.

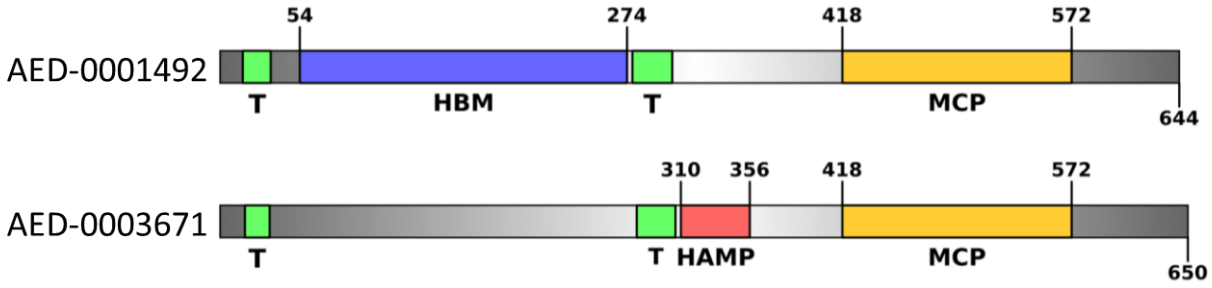

Fig S2. Schematic diagram showing AED-0001492 and AED-0003671 domains

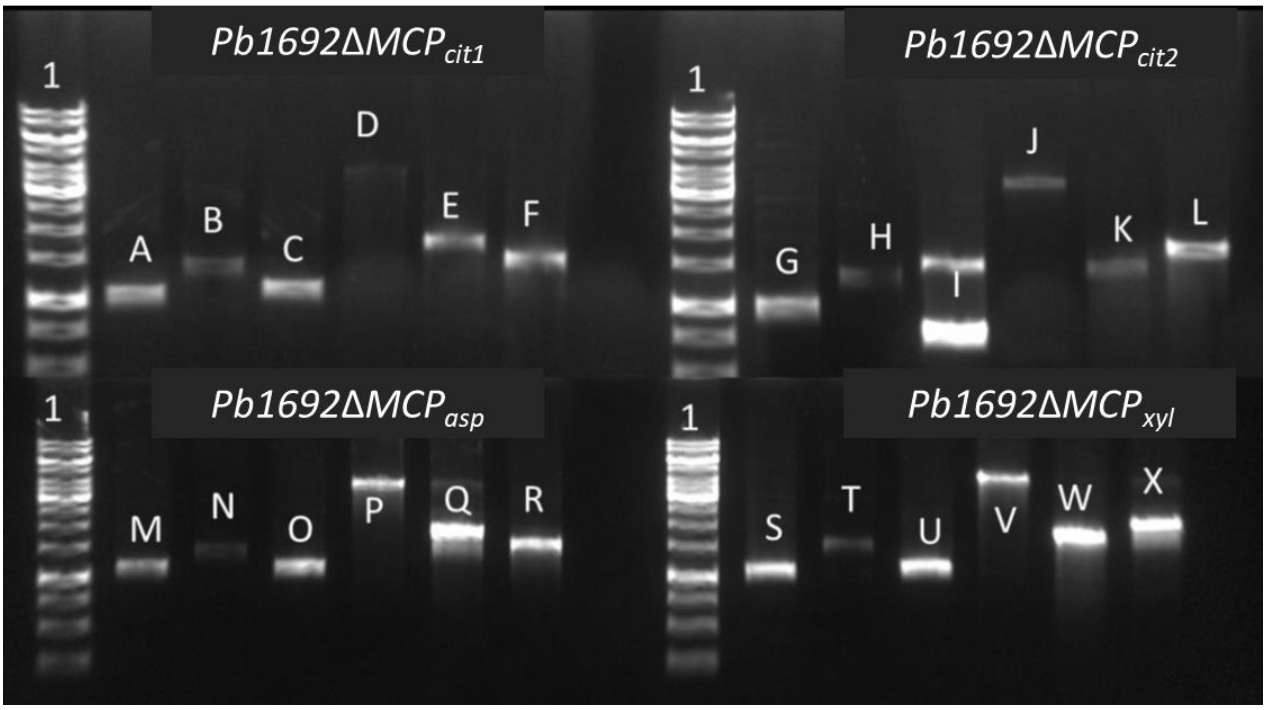

Fig S3. PCR amplicons used to generate and confirm mutant strains. Downstream amplicon A, G, M and S. kanamycin cassette amplicon B, H, N and T. The upstream PCR product included C, I, O and U. Fused downstream, kanamycin cassette and upstream D, J, P and V. PCR product confirming kanamycin insert, downstream forward primer and kanamycin internal reverse primer E, K, Q and W. PCR product confirming kanamycin cassette insert, upstream reverse primer and kanamycin internal forward primer F, L, R and X, 1 represents 1 kb ladder.

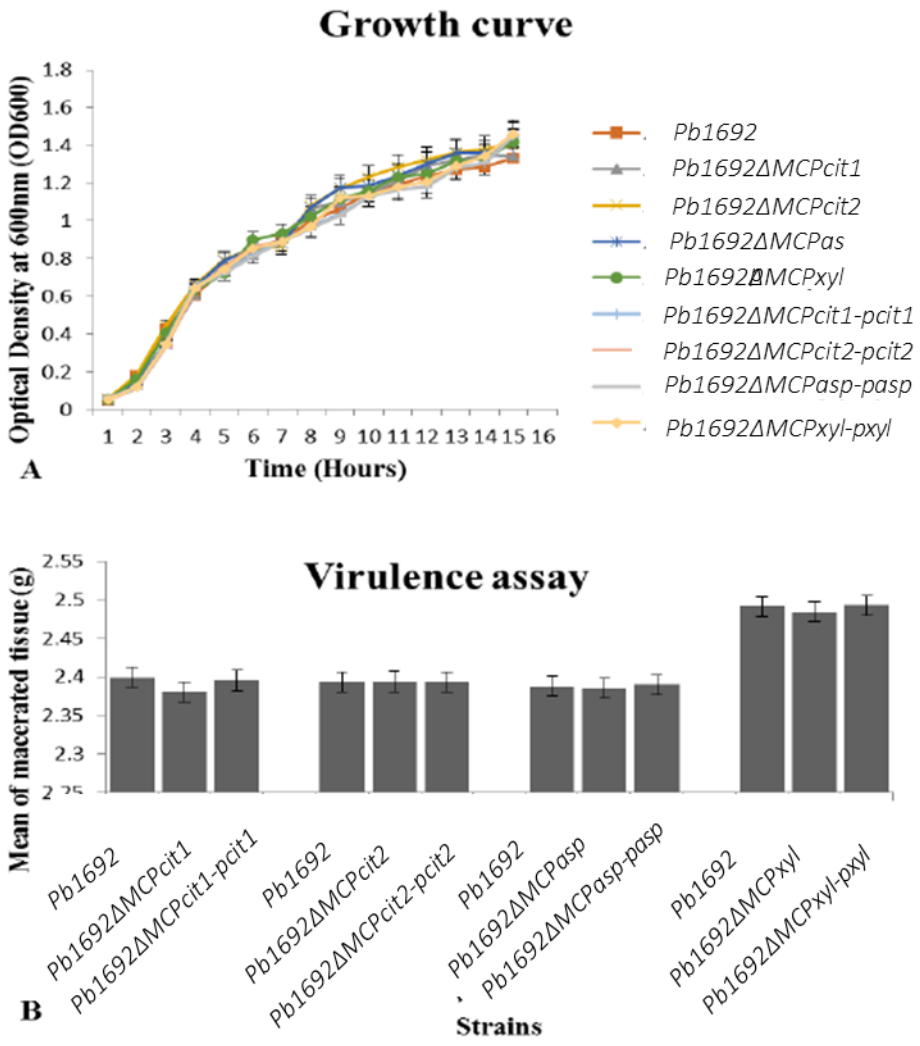

Fig S4. Mutation of MCPs has no effect on growth and virulence on potato tubers. A) *In vitro* growth of *Pb 1692* wild-type and their derivatives *Pb1692*Δ*MCPasp*, *Pb1692*Δ*MCPcit2*, *Pb1692*Δ*MCPcit1* and *Pb1692*Δ*MCPxyl* and their complement strains *Pb1692*Δ*MCPcit1*-p*cit1*, *Pb1692*Δ*MCPcit2*-p*cit2*, *Pb1692*Δ*MCPasp*-p*asp* and *Pb1692*Δ*MCPxyl*-p*xyl* in LB broth supplemented with appropriate antibiotics. B) Similarly, maceration on potato tubers following inoculation of the *Pb 1692* wild-type and mutant strains had no significant difference. Bars indicate standard error of the mean.