



**Supplementary Figure 5 Phylogeny of citrate synthases.** Phylogenetic analysis of *A. niger* citrate synthases aligned with ClustalX 1.8. Phylogenetic analyses were performed in MEGA 2.1 using the Minimum Evolution model. Stability of clades was evaluated by 1000 bootstrap rearrangements. Bootstrap values lower than 50% and branch length values lower than 0.01 are not displayed in the cladogram.

*D. discoideum*: *Dictyostelium discoideum*; *A. thaliana*: *Arabidopsis thaliana*; *C. spec*: *Cucurbita sp.*