



Figure S1. Transformation effects of *A. tumefaciens* with empty vector and *GCaMP3* on *C. camphora* during 48 h. When *C. camphora* was infected by *A. tumefaciens* GV3101 with empty vector (growth density OD₆₀₀ of 0.5, infection concentration OD₆₀₀ of 0.7) by using injection and soak infection methods, no fluorescence was detected during 48-h co-cultivation. However, the fluorescence intensity in *C. camphora* infected by *A. tumefaciens* with *GCaMP3* gradually enhanced with prolonging the co-cultivation time.