

**Figure S2.** The autophagic process in submerged mycelia of *B. bassiana*. Fusion gene *GFP-ATG8* was transformed into the wild-type (WT) and its autophagy-null strains. Conidial suspension of the indicated transformant was inoculated into SDB media and cultured for 2 d at 25°C. The resultant mycelia were stained with vacuole-specific CMAC and autophagic process was examined under a fluorescent microscope. Autophagic signals were observed in the vacuoles of WT (yellow arrow), and Atg8 aggregates were only seen in the cytosol of autophagy-null strains. BF: bright field; OL: overlapped. Scale bars: 10  $\mu$ m.

