## **Supplemental Movie Legends**

Supplemental Movie 1. Polarisome component Spa2 localizes as a bright spot at the growing tip of the hypha. Bar =  $10 \mu m$  Time shown at top left (min).

Supplemental Movie 2. Fim1:GFP shows cortical actin patches at the sub-apical region of the growing hyphae. Bar =  $10 \mu m$  Time shown at top left (min).

Supplemental Movie 3. GFP-Cdc42 localizes to the tip of the growing hypha. Bar =  $10 \mu m$  Time shown at top left (min).

Supplemental Movie 4. The v-SNARE Snc1 actively localizes to the tip of the growing hypha. Bar =  $10 \mu m$  Time shown at top left (min).

Supplemental Movie 5. Three-dimensional rotational movie of exocyst sub-unit Sec6 localized at the base of the appressorium after 24 h. Bar =  $10 \mu m$  Time shown at top left (min).

Supplemental Movie 6. Transition of the exocyst from the cortex of the appressorium to the appressorial pore during maturation, following photobleaching. Five pre-bleach scans and 100 post-bleach were captured at 1 sec intervals. Bar =  $2.5\mu m$