Supplementary Materials

Supplementary Movie 1 Time-lapse phase-contrast microscopic movie of *A. castellanii* infected with kyotovirus with MOI = 1 (top right), MOI = 10 (bottom left) and MOI = 100 (bottom right) and uninfected *A. castellanii* as a control (top left). The 3 s of this movie were 1 h in real time.

Supplementary Movie 2 Time-lapse phase-contrast microscopic movie of *A. castellanii* infected with *Mimivirus shirakomae* with MOI = 1 (top right), MOI = 10 (bottom left) and MOI = 100 (bottom right) and uninfected *A. castellanii* as a control (top left). The 3 s of this movie were 1 h in real time.

Supplementary Movie 3 Time-lapse phase-contrast microscopic movie of *A. castellanii* infected with medusavirus with MOI = 1 (top right), MOI = 10 (bottom left) and MOI = 100 (bottom right) and uninfected *A. castellanii* as a control (top left). The 3 s of this movie were 1 h in real time.

Supplementary Movie 4 Time-lapse phase-contrast microscopic movie of *A. castellanii* infected with *Pandoravirus japonicus* with MOI = 1 (top right), MOI = 10 (bottom left) and MOI = 100 (bottom right) and uninfected *A. castellanii* as a control (top left). The 3 s of this movie were 1 h in real time.