

Table S1: Experimental conditions used in samples analyzed by TEM.

Table S2: Statistical analysis between HAdV2 removal in replicated experiments using 15 h-starved *T. pyriformis* and the negative *T. pyriformis* free controls

Table S3: Statistical analysis of the variability of HAdV2 removal in replicated experiments using 15 h-starved *T. pyriformis*.

Table S4: qPCR results from experiment with formalin-killed versus live *T. pyriformis* co-incubated with HAdV2.

Table S5: Statistical analysis of digestion experiment.

Figure S1: Experimental design to study egestion and digestion.

Figure S2: Effect of Cytochalasin B on food vacuoles of *T. pyriformis*. Full time course monitoring of food vacuole formation and light microscopy image of carbon-stained food vacuoles from Cyt B treated-*T. pyriformis* versus untreated *T. pyriformis*.

Figure S3: Log<sub>10</sub> reduction in HAdV2 genomic copies after a 21h co-incubation of the virus with either Cytochalasin B-treated *T. pyriformis* or non-treated organisms

Figure S4: Transmission electron microscopy views of HAdV2 particles in food vacuoles of exposed *T. pyriformis*.

Tomograms: <https://doi.org/10.5281/zenodo.6808144>