



Figure S3. Fluorescence *in situ* hybridization (FISH) focusing on the detection of fungi in *Archegozetes longisetosus*. The left side of the figure (a) shows a frontal section of a mite fed with untreated wheat-grass powder. No fungal signals were detected. The top right side (b) shows transversal plane and the bottom right side (c) shows a magnification of the alimentary tract already depicted in (b), from a mite treated with a mixture of antibiotics (10% w/w; combined amoxicillin, streptomycin and tetracycline; oral in the diet). Two signals were detected within food particles in the alimentary tract. Fungi are stained in green with the general fungal probe PF2-Cy5; note the different scale bars.