



Figure S1: Effects of AtbC-treatment on CFU from sugar-fed *P. papatasi* dissected guts. CFU counted from homogenized dissected guts in sterile saline solution, plated on blood agar, and incubated for 48 h at 25 °C. The y-axis indicates the number of CFU per sand fly gut. The x-axis indicates non-treated sand fly control group (Ctr) and AtbC-treated groups. The significant difference was calculated using the t-test analysis (* $p < 0.05$).