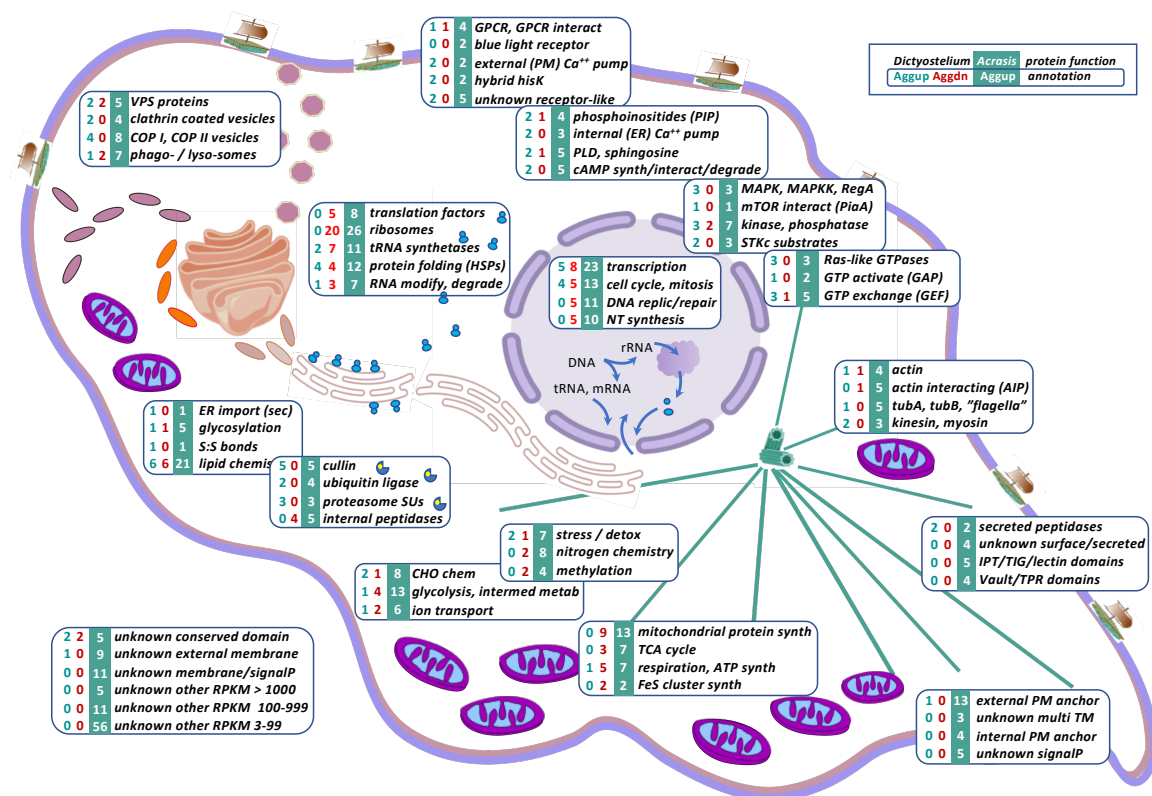




Graphical abstract. A schematic *Acanthamoeba* amoeba is shown with proteins functions in similar or linked pathways grouped in boxes. Numbers to the left of protein function names indicate numbers of deduced proteins up-regulated in aggregating *A. kona* (white against green background) beside numbers of homologous proteins up- (green) or down- (red) regulated in aggregating *Dictyostelium discoideum* AX4.