

Supplementary material for

Lineage-specific proteins essential for endocytosis in trypanosomes

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Supplementary figure legends

Supplemental Figure S1. Saturability of flagellar pocket localisation and mis-targeting of ectopically expressed CAP141 due to overexpression.

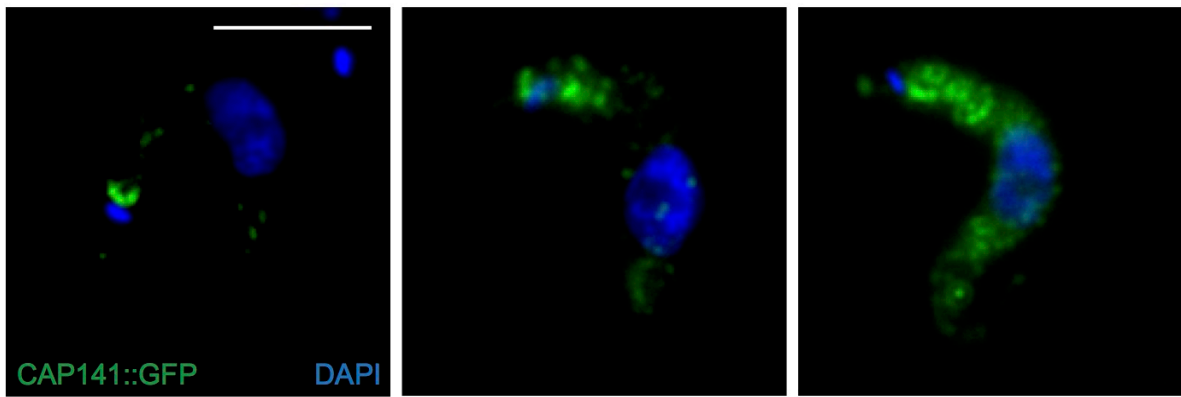
Supplemental Figure S2. (A) Microtubule invasion of the flagellar pocket region following TbCAP80 depletion. (B) Intracellular axoneme and paraflagellar rod material following TbCAP80 or TbCAP141 depletion. FP: flagellar pocket, FPMT: flagellar pocket microtubules, Ax: axoneme, PFR: paraflagellar rod.

Supplemental table ST1. Peptide coverage, Log(e) confidence scores, and label-free quantitation for proteins identified in all affinity isolation experiments.

Supplemental movie M1: 3D SIM reconstruction revealing co-localisation of clathrin heavy chain (green) and TbAAKL. The antibodies used were in house rabbit polyclonal anti-CHC followed by Alexa-488 anti rabbit and rat anti-HA (3f10 clone, Roche) followed by Alexa-568 anti-rat. DNA is shown in blue. Images were acquired on a Delta Vision OMX V3. Scale bar is 2µm.

Supplemental movie M2: 3D SIM reconstruction revealing co-localisation of clathrin heavy chain (green) and TbCAP80. The antibodies used were in house rabbit polyclonal anti-CHC followed by Alexa-488 anti rabbit and rat anti-HA (3f10 clone, Roche) followed by Alexa-568 anti-rat. DNA is shown in blue. Images were acquired on a Delta Vision OMX V3. Scale bar is 2µm.

Supplemental movie M3: 3D SIM reconstruction revealing co-localisation of clathrin heavy chain (green) and TbCAP141. The antibodies used were in house rabbit polyclonal anti-CHC followed by Alexa-488 anti rabbit and rat anti-HA (3f10 clone, Roche) followed by Alexa-568 anti-rat. DNA is shown in blue. Images were acquired on a Delta Vision OMX V3. Scale bar is 2 μ m.



Expression level

