

Description of additional supplementary files

Title: Supplementary Data 1.

Description: Microarray data.

Title: Supplementary Movie 1.

Description: Epifluorescence time-lapse imaging of RUSH cargo ManII-SBP-EGFP (green) trafficking in wildtype HeLa after biotin addition. Magenta: Giantin-mScarlet.

Title: Supplementary Movie 2.

Description: Epifluorescence time-lapse imaging of RUSH cargo ManII-SBP-EGFP (green) trafficking in HeLa Stx5 Δ L HeLa after biotin addition. Magenta: Giantin-mScarlet.

Title: Supplementary Movie 3.

Description: Epifluorescence time-lapse imaging of RUSH cargo VSVG-ts045-EGFP (green) trafficking in wildtype HeLa after biotin addition. Magenta: Giantin-mScarlet.

Title: Supplementary Movie 4.

Description: Epifluorescence time-lapse imaging of RUSH cargo VSVG-ts045-EGFP (green) trafficking in Stx5 Δ L HeLa after biotin addition. Magenta: Giantin-mScarlet.

Title: Supplementary Movie 5.

Description: Epifluorescence time-lapse imaging of RUSH cargo Stx5S-SBP-mCitrine (green) trafficking in wildtype HeLa after biotin addition. Magenta: Giantin-mScarlet.

Title: Supplementary Movie 6.

Description: Epifluorescence time-lapse imaging of RUSH cargo Stx5L-SBP-mCitrine (green) trafficking in wildtype HeLa after biotin addition. Magenta: Giantin-mScarlet.

Title: Supplementary Movie 7.

Description: Epifluorescence time-lapse imaging of RUSH cargo Stx5L Δ ER-SBP-mCitrine (green) trafficking in wildtype HeLa after biotin addition. Magenta: Giantin-mScarlet.