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Appendix Table S1. Calculated parameters derived from FRAP analysis of ChAPs at the TGN and in the cytoplasm in Δ*chs5* strain background. The mean ± SEM is shown for diffusion coefficient Df and immobile fraction F_{im}. For the detailed calculation procedures see Materials and Methods section.

Analyzed protein	Strain background	Df ($\mu m^2.s^{-1}$)		F_{im} (%)	
		TGN	cytoplasm	TGN	cytoplasm
Chs6 GFP	Δ*chs5*	0.110±0.008	0.325±0.030	0.5±1.2	4.9±1.4
Bud7 GFP	Δ*chs5*	0.095±0.009	0.182±0.015	1.4±1.6	4.5±1.4
Bch1 GFP	Δ*chs5*	0.145±0.011	0.269±0.029	2.2±1.4	3.2±0.1
Bch2 GFP	Δ*chs5*	0.140±0.020	0.234±0.020	6.6±2.0	3.8±1.5

Appendix Table S2. Colocalization analysis of Chs5 GFP with the TGN marker Sec7 DsRed. The mean ± SD is shown.

Analyzed protein	Strain background	Manders coefficients	
		M1- Green to Red	M2- Red to Green
Chs5 GFP	WT	0.81±0.11	0.86±0.06
	CHS6 ΔΔΔ	0.22±0.07	0.70±0.02
	BUD7 ΔΔΔ	0.38±0.07	0.85±0.10
	BCH1 ΔΔΔ	0.87±0.07	0.85±0.06
	BCH2 ΔΔΔ	0.34±0.07	0.76±0.11
	ΔΔΔΔ	0.40±0.09	0.82±0.11

Appendix Table S3. Strains used in the study

Strain number	Designation	Genotype and mutations	Source
YPH499		*MAT a ade2 his3 leu2 lys1 trp1 ura3*	Sikorski and Hieter, 1989
YPH500		*MAT α ade2 his3 leu2 lys1 trp1 ura3*	Sikorski and Hieter, 1989
		MAT a ade2 his3 leu2 lys1 trp1 ura3	
YAS431	Δ*chs5*	*chs5::LEU2*	Trautwein et al. 2006
YAS563-2A	Δ*chs6*	*chs6::URA3*	Trautwein et al. 2006
YAS563-5A	Δ*bch1*	*bch1::HIS5*	Trautwein et al. 2006
YAS3302	Chs5 GFP	*CHS5::CHS5-yEGFP(TRP1)*	This study
YAS3303	Chs6 GFP	*CHS6::CHS6-yEGFP(TRP1)*	This study
YAS3304	Bud7 GFP	*BUD7::BUD7-yEGFP(TRP1)*	This study
YAS3305	Bch1 GFP	*BCH1::BCH1-yEGFP(TRP1)*	This study
YAS3306	Bch2 GFP	*BCH2::BCH2-yEGFP(TRP1)*	This study
YAS3859	Chs6 GFP Δ*chs5*	*CHS6::CHS6-yEGFP(TRP1) chs5::URA3*	This study
YAS3864	Bud7 GFP Δ*chs5*	*BUD7::BUD7-yEGFP(TRP1) chs5::URA3*	This study
YAS3865	Bch1 GFP Δ*chs5*	*BCH1::BCH1-yEGFP(TRP1) chs5::URA3*	This study
YAS3866	Bch2 GFP Δ*chs5*	*BCH2::BCH2-yEGFP(TRP1) chs5::URA3*	This study
YAS3315	Cop1 GFP	*COP1::COP1-yEGFP(TRP1)*	This study
YAS3839	Sec28 GFP	*SEC28::SEC28-yEGFP(TRP1)*	This study
YAS3842	Clc1 GFP	*CLC1::CLC1-yEGFP(TRP1)*	This study
YAS3843	Apm1 GFP	*APM1::APM1-yEGFP(TRP1)*	This study
YAS328	Chs6 9myc	*CHS6::CHS6-9myc(TRP1)*	Trautwein et al. 2006
YAS339	Bch1 9myc	*BCH1::BCH1-9myc(TRP1)*	Trautwein et al. 2006
YAS589	Bch2 9myc	*BCH2::BCH2-9myc(TRP1)*	Trautwein et al. 2006
YAS4143	Chs5 GFP ΔΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) chs6::URA3 bch2::kanMX bch1::HIS5 bud7::natNT2*	This study
YAS4361	Chs5 GFP *CHS6* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) bch1::HIS5 bud7::URA3 bch2::natNT2*	This study
YAS4137	Chs5 GFP *BUD7* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) chs6::URA3 bch2::kanMX bch1::HIS5*	This study
YAS4544	Chs5 GFP *BCH1* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) bud7::URA3 chs6::HIS5 bch2::natNT2*	This study
YAS4134	Chs5 GFP *BCH2* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) bud7::URA3 chs6::HIS5 bch1::natNT2*	This study
YAS4368	Chs5 GFP GPD-*BCH2* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) BCH2::GPD(kanMX4)-BCH2 bud7::URA3 chs6::HIS5 bch1:: natNT2*	This study
YAS4159	Chs5 GFP GPD-*CHS6* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) CHS6::GPD(kanMX4)-CHS6 bud7::URA3 bch2::HIS5 bch1::natNT2*	This study
YAS4513	Chs5 GFP *CHS6(PSSF)* ΔΔΔ	*CHS5::CHS5-yEGFP(TRP1) bch2::HIS5 bch1::hphNTI CHS6::CHS6(PSSF) bud7:: URA3*	This study
YAS4512	Chs5 GFP *CHS6(PSSF) BUD7* ΔΔ	*CHS5::CHS5-yEGFP(TRP1) bch2::HIS5 bch1::hphNTI CHS6::CHS6(PSSF)*	This study
YAS4129	Chs5 GFP *CHS6 BUD7* ΔΔ	*CHS5::CHS5-yEGFP(TRP1) bch2::HIS5 bch1::natNT2*	This study
YAS4356	Chs5 GFP *CHS6 BCH2* ΔΔ	*CHS5::CHS5-yEGFP(TRP1) bch1::HIS5 bud7::URA3*	This study
YAS3871	Chs6 GFP ΔΔΔ	*CHS6::CHS6-yEGFP(TRP1) bch2::HIS5 bud7::URA3 bch1::natNT2*	This study

YAS4349	GPD-Chs6 GFP ΔΔΔ	*CHS6::GPD(kanMX4)-CHS6-yEGFP(TRP1) bch2::HIS5 bud7::URA3 bch1::natNT2*	This study
YAS653	Chs6 9myc ΔΔΔ	*CHS6::CHS6-9myc(TRP1) bud7::LEU2 bch2::kanMX bch1::HIS5*	Trautwein et al. 2006
YAS4161	GPD-Chs6 9myc ΔΔΔ	*CHS6::GPD(natNT2)-CHS6-9myc(TRP1) bud7::LEU2 bch2::kanMX bch1::HIS5*	This study
YAS3890	Bud7 GFP ΔΔΔ	*BUD7::BUD7-yEGFP(TRP1) chs6::URA3 bch2::kanMX bch1::HIS5*	This study
YAS3872	Bch1 GFP ΔΔΔ	*BCH1::BCH1-yEGFP(TRP1) bud7::URA3 chs6::HIS5 bch2::kanMX*	This study
YAS3883	Bch2 GFP ΔΔΔ	*BCH2::BCH2-yEGFP(TRP1) bud7::URA3 bch1::HIS5 chs6::natNT2*	This study
YAS4500	GPD-Bch2 GFP ΔΔΔ	*BCH2::GPD(kanMX4)-BCH2-yEGFP(TRP1) bud7::URA3 bch1::HIS5 chs6::natNT2*	This study
YAS654	Bch2 9-myc ΔΔΔ	*BCH2::BCH2-9myc (TRP1) chs6::URA3 bud7::LEU2 bch1::HIS5*	Trautwein et al. 2006
YAS4499	GPD-Bch2 9-myc ΔΔΔ	*BCH2::GPD(natNT2)-BCH2-9myc (TRP1) chs6::URA3 bud7::LEU2 bch1::HIS5*	This study
YAS3879	Bch1 GFP *CHS6* ΔΔ	*BCH1::BCH1-yEGFP(TRP1) bud7::URA3 bch2::kanMX*	This study
YAS3904	Bch1 GFP *BUD7* ΔΔ	*BCH1::BCH1-yEGFP(TRP1) bch2::HIS5 chs6::kanMX*	This study
YAS3851	Bch1 GFP *BCH2* ΔΔ	*BCH1::BCH1-yEGFP(TRP1) bud7::URA3 chs6::HIS5*	This study
YAS921	Chs3 GFP	*CHS3::CHS3-yEGFP(kanMX4)*	Trautwein et al. 2006
YAS4351	Chs3 GFP GPD-*BCH1*	*CHS3::CHS3-yEGFP(kanMX4) BCH1::GPD(natNT2)-BCH1*	This study
YAS4491	Chs6 GFP GPD-*BCH1*	*CHS6::CHS6-yEGFP(TRP1) BCH1::GPD(natNT2)-BCH1*	This study
YAS4634	Chs3 GFP *CHS6* ΔΔΔ	*CHS3::CHS3-yEGFP(TRP1) bch1::HIS5 bud7::LEU2 bch2::kanM X*	This study
YAS4638	Chs3 GFP GPD-*CHS6* ΔΔΔ	*CHS3::CHS3-yEGFP(TRP1) CHS6::GPD(natNT2)-CHS6 bch1::HIS5 bud7::LEU2 bch2::kanMX*	This study

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MAT α ade2 his3 leu2 lys1 trp1 ura3

YAS216	Arf1 GFP	*ARF1::ARF1-yEGFP (kanMX4)*	This study
YAS1905	Pin2 GFP	*PIN2::PIN2-yEGFP (kanMX4)*	Ritz et al. 2014
YAS4488	Pin2 GFP GPD-*BCH1*	*PIN2::PIN2-yEGFP (kanMX4) BCH1::GPD(natNT2)-BCH1*	This study
YAS576	Bud7 9myc	*BUD7::BUD7-9myc (TRP1)*	Trautwein et al. 2006
YAS601	Chs5 9myc	*CHS5::CHS5-9myc (TRP1)*	This study