

**Table S1 Strains used in this study**

Sheffield strain number	Relevant genotype	Full genotype	Source
305	<i>BWP17</i>	<i>URA3::nim434/URA3::nim434his1::hisG/his1::hisG arg4::hisG/arg4::hisG</i>	(Wilson et al. 1999)
805	<i>SEC2 YFP</i>	<i>sec2::HIS1/SEC2 YFP::URA3</i>	(Bishop et al. 2010)
835	<i>URA3-pMET3-YFP::SEC2/SEC2</i>	<i>BWP17 URA3::pMET3YFP::SEC2/SEC2</i>	(Bishop et al. 2010)
838	<i>SEC2-625 YFP</i>	<i>sec2::HIS1/SEC2(1-625) YFP::URA3</i>	(Bishop et al. 2010)
1049	<i>GIN4-GFP</i>	<i>BWP17 GIN4-GFP::URA3</i>	(Wightman et al. 2004)
1051	<i>GIN4-3FLAG</i>	<i>GIN4/ GIN4-3xFLAG::URA3</i>	This study
1154	<i>pMet3-YFP-sec2-S584E/sec2Δ</i>	<i>BWP17 URA3-pMet3-YFP-sec2-S584E-ARG4/sec2::HIS1</i>	(Bishop et al. 2010)
1156	<i>pMet3-YFP-SEC2-S645E/sec2Δ</i>	<i>BWP17 URA3::Met3-YFP-Sec2-S645E::ARG4/sec2::HIS1</i>	(Bishop et al. 2010)
1164	<i>pMet3-YFP-SEC2-S645A/sec2Δ</i>	<i>BWP17 URA3::pMet3-YFP-Sec2-S645A::ARG4/sec2::HIS1</i>	(Bishop et al. 2010)
1329	<i>ARF1 GFP</i>	<i>ARF1/ARF1 GFP ARG4</i>	This Study
1331	<i>ARF1 GFP/SEC2 HA</i>	<i>sec2::HIS1/SEC2 HA::URA, ARF1/ARF1 GFP ARG4</i>	This Study
1365	<i>SEC2 3xFLAG</i>	<i>sec2::HIS1/SEC2 3FLAG::URA3</i>	This Study

**Table S2 Primers used in this study**

PRIMER	Nucleotide sequence (5' → 3')
S1 SEC 3xFLAG	ATTTAAAGATCAATTAATAAAGAATTAGATCAAACCTTTAGAGATGTTAGCCGAAAATAT TGATTTTGATGAGAGTAGTAATGGTAATGGTAATGGTATATGGACTACAAAGACCATGA <b>CGGT</b>
S1 SEC2 HA	ATTTAAAGATCAATTAATAAAGAATTAGATCAAACCTTTAGAGATGTTAGCCGAAAATAT TGATTTTGATGAGAGTAGTAATGGTAATGGTAATGGTATATGGT <b>CGACGGATCCCCGGGT</b> <b>A</b>
S2 SEC2	TAACGACAGCAATGGGCCAGAAAATCCCGTCAAAAAAAAAATCCACAATACGCGTAATG CACTCTAGAATTCGTAAATGATTCATTCATAATTAACAAATCTGATATCATCGATGAATT <b>CGAGTCGATGAATTCGAGCTCGTT</b>
S1 ARF1 XFP	TCCAAGCTACTTGTGCCACTACTGGGGATGGTTTATACGAAGGTTTGAATGGTTATCTA CTAACTTGAAAACTCTTCAGGT <b>GCTGGCGCAGGTGCTTC</b>
S2 ARF1 XFP	TCCACCAGTAAAATAATAAAGATAAGAGGTGAAGTGGTGAAGTGGTGAAGTGGGA ACAATATTAGAGAGGGAAAACATCTGATATCATCGATGAATTC <b>GAG</b>
S1 GIN4 3xFLAG	TAAAGTTACAACCTGATACTTTATTTCTGAAATTGAAAAGGTCTTACTCAAAGAAGGTGTT TTAGATAAAATGGACTACAAAGACCATGACGGTG
S2 GIN4 3xFLAG	TGCTTTTATTAGCATGTTTACTCAATGGGGGGTTGGAAGCTTACTGATACTGTTGGACCT ACTTATATATCGATGAATTCGAGCTCGTT
G1-SEC2	CTGAACCCGTACAAGAACCAG

G1-ARF1	GGGATGTCGGTGGTCAAGAT
3xFLAG-R	GGCCGCAAGCTTGTTCATCGT
URA3-F	GGAAGAGATCCAGATATTGAAGG
URA3-R	TGTGCTACTGGTGAGGCATG
ARG4-F	CTGCTAAAAGTGCCGTTTTAAAACAATT
ARG4-R	ACCGGTGAAACGACCACCCC
HIS1-F	GGACGAATTGAAGAAAGCTGGTGCAACCG
HIS1-R	GGGATATCAGCTGCAGGCAAGAAGATTAAT
YFP-R	GGATAAGGCAGATTGGTAGG
pCaHA-3	TTAACCGGCATAGTCTGGGA
Sec2-R157-Flc	GTTCTGCATCTGAATCCTCT
Sec2-R541-Flc	GGCTACGTATATCTCCTTGT
Sec2-R800-Flc	AGCAGACGATGAAGATACCG
Sec2-R1043-Flc	CGAGGCAATTACATGAGTGT
Sec2-R1091-Flc	GTCAGATTGTTGCCACTGT
Sec2-1284-Flc	CCAGAGGCATTGTTACCCTT
Sec2-R1417-Flc	TGGTAGCAGGTAAGAAGGG
Sec2-R1715-Flc	ATTGGTATGAATGCTATTGG
Sec2-R1958-Flc	GGCTTCATCAAATAACGAGG
Sec2-R1941-Flc	TTGCTAACCATGGTGTGGC
ADE2-F1	AAGGAATCTCCATTGGTGGG
ADE2-R1	GGCCGCCACCATACCTGGCA
ACT1-F	GGCCGCCACCATACCTGGCA
ACT1-R	AGCAATACCTGGGAACATGG
SEC2-F1	CCTAAACCAACCCAACAACAA
SEC2-R1	TTCTGCTGATGCTGTTTCTGA
1486-F2	GCCATCATTGGTGTACCTT
1486-R1	TGATTTGGTGGTATTGGTGGT
4055-F1	CTGCCCTAGCCAGGGTTAAT
4055-R1	GCAAATACTGCAACGACCAA
5693-F1	AGCCCTTCCATTGACATTTG
5693-R1	ACCACCCCAAAACAACGATA
7350-F1	TATCTACTGTCGCCGGTGGT
7350-R1	CCACCATATTGTTGCTCGTG
7490-F2	ATCAAACGTCAGGCATTGGT
7490-R1	TGCATAACCAATATCCATACTCCA

## References

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- Wightman, R, Bates, S, Amnorrattapan, P, and Sudbery, P. E. 2004. In *Candida albicans*, the Nim1 kinases Gin4 and Hsl1 negatively regulate pseudohypha formation and Gin4 also controls septin organization. *J Cell Biol.* **164**:581-591.

Wilson, B, Davis, D, and Mitchell, A. P.1999. Rapid hypothesis testing in *Candida albicans* through gene disruption with short homology regions. *J Bacteriol.***181**:1868-1874.