

Supplemental Table S1. Strains, plasmids, and primers used

<i>C. neoformans</i> strain name	Identifier	Reference
H99α	H99α	(Nielsen et al., 2003)
crz1Δ	H99α, <i>CRZ1::NAT^r</i>	FGSC deletion set Plate 5 Well A7
BC402	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1-mNeonGreen-NEO^r</i>	This Study
XX510	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-mCherry-CRZ1-NEO^r</i>	(Xu et al., 2017)
BC948	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(7S → A)-mNeonGreen-NEO^r</i>	This Study
BC979	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(polyQ → A)-mNeonGreen-NEO^r</i>	This Study
BC982	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 1-257)-mNeonGreen-NEO^r</i>	This Study
BC1212	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 833-926)-mNeonGreen-NEO^r</i>	This Study
BC1245	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 625-665)-mNeonGreen-NEO^r</i>	This Study
BC1249	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 946-1030)-mNeonGreen-NEO^r</i>	This Study
BC1252	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 1-802)-mNeonGreen-NEO^r</i>	This Study
BC1256	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 1-451)-mNeonGreen-NEO^r</i>	This Study
BC1258	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 1-705)-mNeonGreen-NEO^r</i>	This Study
BC1259	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 1-823)-mNeonGreen-NEO^r</i>	This Study
BC1273	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 1-368)-mNeonGreen-NEO^r</i>	This Study
BC1310	H99α, <i>CRZ1::NAT^r</i> , <i>P_{GPD1}-CRZ1(ΔN 263-451)-mNeonGreen-NEO^r</i>	This Study
Plasmid name	Identifier	Reference
pXL1-mCherry- <i>CRZ1</i>	<i>P_{GPD1}-mCherry-CRZ1-NEO^r</i>	(Xu et al., 2017)
pUC19- <i>CRZ1</i> -mNeonGreen	<i>P_{GPD1}-CRZ1-mNeonGreen-NEO^r</i>	This Study
LKB39	<i>P_{H3}-GFP-CNA1-NAT^r</i>	(Kozubowski et al., 2011)

LKB61	P _{GPD1} -mCherry- <i>CNA1-HYG^r</i>	(Kozubowski <i>et al.</i> , 2011)
LKB88	P _{GPD1} -mCherry- <i>PUB1-HYG^r</i>	(Kozubowski <i>et al.</i> , 2011)
Primer name	Sequence (5' -> 3')	Purpose
linlab3397/XX	taatggccggccatggcagatccagcctcacc	Cloning WT <i>CRZ1</i> open reading frame
linlab3398/XX	taatgcatcgcatcctcttcactcgtttcactcttc	Cloning WT <i>CRZ1</i> open reading frame
Linlab7530/BC	agcggcagcggcagcggcagcggcagcggcagctgggtggctgaccctcacttgc	Generate polyQ mutant
Linlab7953/BC	tgtcctggtgagtcaccctgtggtcaagaatgtgctatcaca	Generate DBD mutant
Linlab7954/BC	acagggtgactcaccaggaca	Generate DBD mutant
Linlab7761/BC	cacttctgtcgctacgctggtgcaagaactcggcgctg	Generate Δ833-926 mutant
Linlab7762/BC	cagcgtagcgacagaagtg	Generate Δ833-926 mutant
Linlab7765/BC	ataggccggccggcttcacagttaaccaaacg	Generate Δ1-257 mutant
Linlab7955/BC	ataggccggccatgaccaaccctaactctccc	Generate Δ1-368 mutant
Linlab7956/BC	ataggccggccatgggcaggggactatttgacgc	Generate Δ1-451 mutant
Linlab7959/BC	ataggccggccatggggttatatcctcatgcg	Generate Δ1-705 mutant
Linlab7957/BC	ataggccggccgctggtggttcaacgtgag	Generate Δ1-823 mutant
Linlab7961/BC	caatcaaatgggatggaggatatgatctgtatccagcccagt	Generate Δ263-451 mutant

Linlab7958/BC	atcctccatcccatttgattg	Generate Δ263-451 mutant
Linlab7962/BC	gttgagctcgccttctcc	Generate Δ625-665 mutant
Linlab7963/BC	ggagaaggcgagctcaactgcatcagctcactcaatta	Generate Δ625-665 mutant

- Kozubowski, L., Aboobakar, E.F., Cardenas, M.E., and Heitman, J. (2011). Calcineurin colocalizes with P-bodies and stress granules during thermal stress in *Cryptococcus neoformans*. *Eukaryot Cell* *10*, 1396-1402. 10.1128/ec.05087-11.
- Nielsen, K., Cox, G.M., Wang, P., Toffaletti, D.L., Perfect, J.R., and Heitman, J. (2003). Sexual cycle of *Cryptococcus neoformans* var. *grubii* and virulence of congenic α and α isolates. *Infection and immunity* *71*, 4831-4841. 10.1128/iai.71.9.4831-4841.2003.
- Xu, X., Lin, J., Zhao, Y., Kirkman, E., So, Y.-S., Bahn, Y.-S., and Lin, X. (2017). Glucosamine stimulates pheromone-independent dimorphic transition in *Cryptococcus neoformans* by promoting Crz1 nuclear translocation. *PLOS Genetics* *13*, e1006982. 10.1371/journal.pgen.1006982.