

**Supplemental Table 2: Insertion Mutant Protein Kinase Library**

Strain	Genotype	Source/Ref
BWP17	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG</i>	Mitchell Lab
DAY286	<u><i>ura3Δ::λiimm434 ARG4:URA3::arg4::hisG his1::hisG</i></u> <i>ura3Δ::λiimm434 arg4::hisG his1::hisG</i>	Mitchell Lab
JJH384	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG tpk1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG tpk1::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH44	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG hst7::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG hst7::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH34	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG yck2::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG yck2::Tn7-URA3</i>	(Blankenship et al., 2010)
SF013	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4347::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4347::Tn7-URA3</i>	(Blankenship et al., 2010)
H957-8	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG yck3::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG yck3::Tn7-URA3</i>	(Blankenship et al., 2010)
VIC1175	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG mkc1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG ymkc1::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH91	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.35::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.35::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH65	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.794::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.794::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH33	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG chk1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG chk1::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH37	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG nik1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG nik1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF043	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3049::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3049::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH77	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG sln1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG sln1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF015	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG pkh1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG pkh1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF006	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG gcn2::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG gcn2::Tn7-URA3</i>	(Blankenship et al., 2010)
SF026	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG tpk2::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG tpk2::Tn7-URA3</i>	(Blankenship et al., 2010)
SF004	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG bck1::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG bck1::Tn7-URA3</i>	(Blankenship et al., 2010)
JRB86-1	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.7164::Tn7-UAU1</i></u> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.7164::Tn7-URA3</i>	(Blankenship et al., 2010)
VIC108	<u><i>ura3Δ::λimm434 arg4::hisG his1::hisG cka2::ARG4</i></u>	(Bruno & Mitchell, 2005)

	<i>ura3Δ::λimm434 arg4::hisG his1::hisG cka2::URA3</i>	(Blankenship et al., 2010)
SF025	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.5253::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.5253::Tn7-URA3</i>	(Blankenship et al., 2010)
SA0148	<i>ura3Δ::λimm434 arg4::hisG his1::hisG cek2::ARG4</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG cek2::URA3</i>	(Blankenship et al., 2010)
JJH58	<i>ura3Δ::λimm434 arg4::hisG his1::hisG cst20::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG cst20::Tn7-URA3</i>	(Blankenship et al., 2010)
O879-4	<i>ura3Δ::λimm434 arg4::hisG his1::hisG vps34::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG vps34::Tn7-URA3</i>	(Blankenship et al., 2010)
JMR114	<i>ura3Δ::λimm434 arg4::hisG his1::hisG hog1::ARG4</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG hog1::URA3</i>	(Rauceo et al., 2008) (Blankenship et al., 2010)
JJH39	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4252::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4252::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH245	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4269::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4269::Tn7-URA3</i>	(Blankenship et al., 2010)
SF035A	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4518::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.4518::Tn7-URA3</i>	(Blankenship et al., 2010)
SF024A	<i>ura3Δ::λimm434 arg4::hisG his1::hisG rim15::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG rim15::Tn7-URA3</i>	(Blankenship et al., 2010)
SF019	<i>ura3Δ::λimm434 arg4::hisG his1::hisG kin2::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG kin2::Tn7-URA3</i>	(Blankenship et al., 2010)
VIC1156	<i>ura3Δ::λimm434 arg4::hisG his1::hisG mkk2::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG mkk2::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH48	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.2605::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.2605::Tn7-URA3</i>	(Blankenship et al., 2010)
SF039	<i>ura3Δ::λimm434 arg4::hisG his1::hisG ckb1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG ckb1::Tn7-URA3</i>	(Blankenship et al., 2010)
JRB102	<i>ura3Δ::λimm434 arg4::hisG his1::hisG cmk1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG cmk1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF051	<i>ura3Δ::λimm434 arg4::hisG his1::hisG dun1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG dun1::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH115	<i>ura3Δ::λimm434 arg4::hisG his1::hisG cla4::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG cla4::Tn7-URA3</i>	(Blankenship et al., 2010)
SF040	<i>ura3Δ::λimm434 arg4::hisG his1::hisG sln1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG sln1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF045	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.846::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.846::Tn7-URA3</i>	(Blankenship et al., 2010)
JJH70	<i>ura3Δ::λimm434 arg4::hisG his1::hisG hrk1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG hrk1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF005	<i>ura3Δ::λimm434 arg4::hisG his1::hisG bub1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG bub1::Tn7-URA3</i>	(Blankenship et al., 2010)

SF033	<u>ura3Δ::λimm434 arg4::hisG his1::hisG hsl1::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG hsl1::Tn7-URA3</u>	(Blankenship et al., 2010)
SF001	<u>ura3Δ::λimm434 arg4::hisG his1::hisG ksp1::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG ksp1::Tn7-URA3</u>	(Blankenship et al., 2010)
SF054	<u>ura3Δ::λimm434 arg4::hisG his1::hisG iks1::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG iks1::Tn7-URA3</u>	(Blankenship et al., 2010)
SF002	<u>ura3Δ::λimm434 arg4::hisG his1::hisG cdc15::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG cdc15::Tn7-URA3</u>	(Blankenship et al., 2010)
JRB100	<u>ura3Δ::λimm434 arg4::hisG his1::hisG kin3::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG kin3::Tn7-URA3</u>	(Blankenship et al., 2010)
SF037	<u>ura3Δ::λimm434 arg4::hisG his1::hisG rck2::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG rck2::Tn7-URA3</u>	(Blankenship et al., 2010)
SF029	<u>ura3Δ::λimm434 arg4::hisG his1::hisG cka2::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG cka2::Tn7-URA3</u>	(Blankenship et al., 2010)
JJH78	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.1196::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.1196::Tn7-URA3</u>	(Blankenship et al., 2010)
SF015	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.5224::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.5224::Tn7-URA3</u>	(Blankenship et al., 2010)
SF017	<u>ura3Δ::λimm434 arg4::hisG his1::hisG prr2::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG prr2::Tn7-URA3</u>	(Blankenship et al., 2010)
SF011	<u>ura3Δ::λimm434 arg4::hisG his1::hisG ak11::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG ak11::Tn7-URA3</u>	(Blankenship et al., 2010)
SF042	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3841::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3841::Tn7-URA3</u>	(Blankenship et al., 2010)
SF028	<u>ura3Δ::λimm434 arg4::hisG his1::hisG fun31::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG fun31::Tn7-URA3</u>	(Blankenship et al., 2010)
SF009	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3854::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3854::Tn7-URA3</u>	(Blankenship et al., 2010)
JJH243	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.6369::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.6369::Tn7-URA3</u>	(Blankenship et al., 2010)
SF034	<u>ura3Δ::λimm434 arg4::hisG his1::hisG vps15::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG vps15::Tn7-URA3</u>	(Blankenship et al., 2010)
SF041	<u>ura3Δ::λimm434 arg4::hisG his1::hisG ste11::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG ste11::Tn7-URA3</u>	(Blankenship et al., 2010)
NJ77-4	<u>ura3Δ::λimm434 arg4::hisG his1::hisG ptk2::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG ptk2::Tn7-URA3</u>	(Blankenship et al., 2010)
JJH175	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.7281::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.7281::Tn7-URA3</u>	(Blankenship et al., 2010)
SF021	<u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3751::Tn7-UAU1</u> <u>ura3Δ::λimm434 arg4::hisG his1::hisG 19.3751::Tn7-URA3</u>	(Blankenship et al., 2010)
JJH54	<u>ura3Δ::λimm434 arg4::hisG his1::hisG sok1::Tn7-UAU1</u>	(Blankenship et al., 2010)

	<i>ura3Δ::λimm434 arg4::hisG his1::hisG sok1::Tn7-URA3</i>	
JJH74	<i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.223::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG 19.223::Tn7-URA3</i>	(Blankenship et al., 2010)
SF008	<i>ura3Δ::λimm434 arg4::hisG his1::hisG ire1::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG ire1::Tn7-URA3</i>	(Blankenship et al., 2010)
SF030	<i>ura3Δ::λimm434 arg4::hisG his1::hisG ckb2::Tn7-UAU1</i> <i>ura3Δ::λimm434 arg4::hisG his1::hisG ckb2::Tn7-URA3</i>	(Blankenship et al., 2010)

## References

- Blankenship, J. R., S. Fanning, J. J. Hamaker & A. P. Mitchell, (2010) An extensive circuitry for cell wall regulation in *Candida albicans*. *PLoS Pathog* **6**: e1000752.
- Bruno, V. M. & A. P. Mitchell, (2005) Regulation of azole drug susceptibility by *Candida albicans* protein kinase CK2. *Mol Microbiol* **56**: 559-573.
- Rauceo, J. M., J. R. Blankenship, S. Fanning, J. J. Hamaker, J. S. Deneault, F. J. Smith, A. Nantel & A. P. Mitchell, (2008) Regulation of the *Candida albicans* cell wall damage response by transcription factor Sko1 and PAS kinase Psk1. *Mol Biol Cell* **19**: 2741-2751.