Supplementary Discussion

Distinct properties of [*PSI*$^+$] prion states

The Sup35 prion states in wild strains had different biochemical and genetic behaviors. The extent of aggregation of Sup35 appeared to differ between strains: Sup35 amyloids were easily detected in strains UCD#978, #5672, and NCYC#3467, but the signal was weaker for strains UCD#587, UCD#824, and UCD#2534. Because our SDD-AGE data were not quantitative, we did not characterize this further. Strains UCD#779, UCD#885, and UCD#939 occasionally produced colonies that lacked Sup35 amyloids. These colonies also lacked Rnq1 amyloids. We speculate that the simultaneous loss of both prions reflects a high degree of co-aggregation between these two proteins in these strains.

The over-expression of WT Hsp104 potently eliminates [*PSI*$^+$] in laboratory strains. We also observed that transient over-expression of Hsp104 eliminated [*PSI*$^+$] from strains UCD#978 and NCYC#3467. In contrast, strains #5672 and UCD#824 remained [*PSI*$^+$] after this treatment (Supplementary Fig. 1). Thus, the susceptibility of [*PSI*$^+$] to elevated levels of Hsp104 is not shared by all natural [*PSI*$^+$] states.

Not all curable phenotypes in [*PSI*$^+$] strains could be attributed to a loss of function of Sup35 in its prion state. Two curable phenotypes were not recapitulated by expression of Sup35ΔPrD in [*PSI*$^+$] strains: resistance of UCD#2534 (a commercial dry wine strain) to acidic growth conditions and sensitivity of UCD#621 (a natural fermentation isolate) to 4-NQO. These traits could be due either to a gain of function of Sup35 in its prion conformation, or to other Hsp104-dependent prions.

Environmental contingency of prion-dependent traits

Under a wide range of stressful growth conditions, cells increase the rate at which they switch into and out of the [*PSI*$^{+}$] state[1]. Other prions are also influenced by environmental changes including refrigeration and nutrient limitation[2]. This link between heritable phenotypic diversity and environmental contingency is a natural consequence of stress-induced disruptions in protein homeostasis. Conformational changes in Sup35's PrD are strongly influenced by temperature[3] and by a host of protein homeostasis mechanisms that regulate prion nucleation and inheritance. In addition to Hsp104, factors as diverse as osmolytes[4], molecular chaperones[5,6], and the protein degradation machinery[2,7], all influence the link between prions and environmental stress. In any case, the gain and loss of prions appears to constitute a sophisticated bet-hedging mechanism that allows cells to more frequently explore heritable new phenotypes when they are not well suited to their environments.

Evidence for an adaptive cycle for [*PSI*$^{+}$]

Defects in translation are certain to be deleterious in the long run, and the original bet-hedging hypothesis therefore posited that [*PSI*$^{+}$] would be transient in the wild[8]. That we observed [*PSI*$^{+}$]-dependent adhesion to be readily fixed in UCD#978 makes the retention of this prion in 1% of wild strains seem even more surprising. [*PSI*$^{+}$]-dependent traits would be more difficult to assimilate in strains with defects in sexual reproduction. These strains might, therefore, harbour [*PSI*$^{+}$] longer than their sexually

reproducing counterparts. A recent wide survey of wine strains determined that 95% are fertile diploids[9]. Yet three of the six randomly selected wild [*PSI*$^+$] strains that we examined either did not sporulate or had very low spore viability, even with three different sporulation protocols – a greater fraction than expected by chance. Indeed, two of the three strains had genome sizes consistent with low fertility – #5672 was triploid and UCD#978 was approximately tetraploid. This suggests a natural adaptive cycle for [*PSI*$^+$], in which the prion appears spontaneously, is maintained by selection for the beneficial phenotypes it confers, and finally is lost after those phenotypes have been fixed.

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Supplementary Figures and Legends

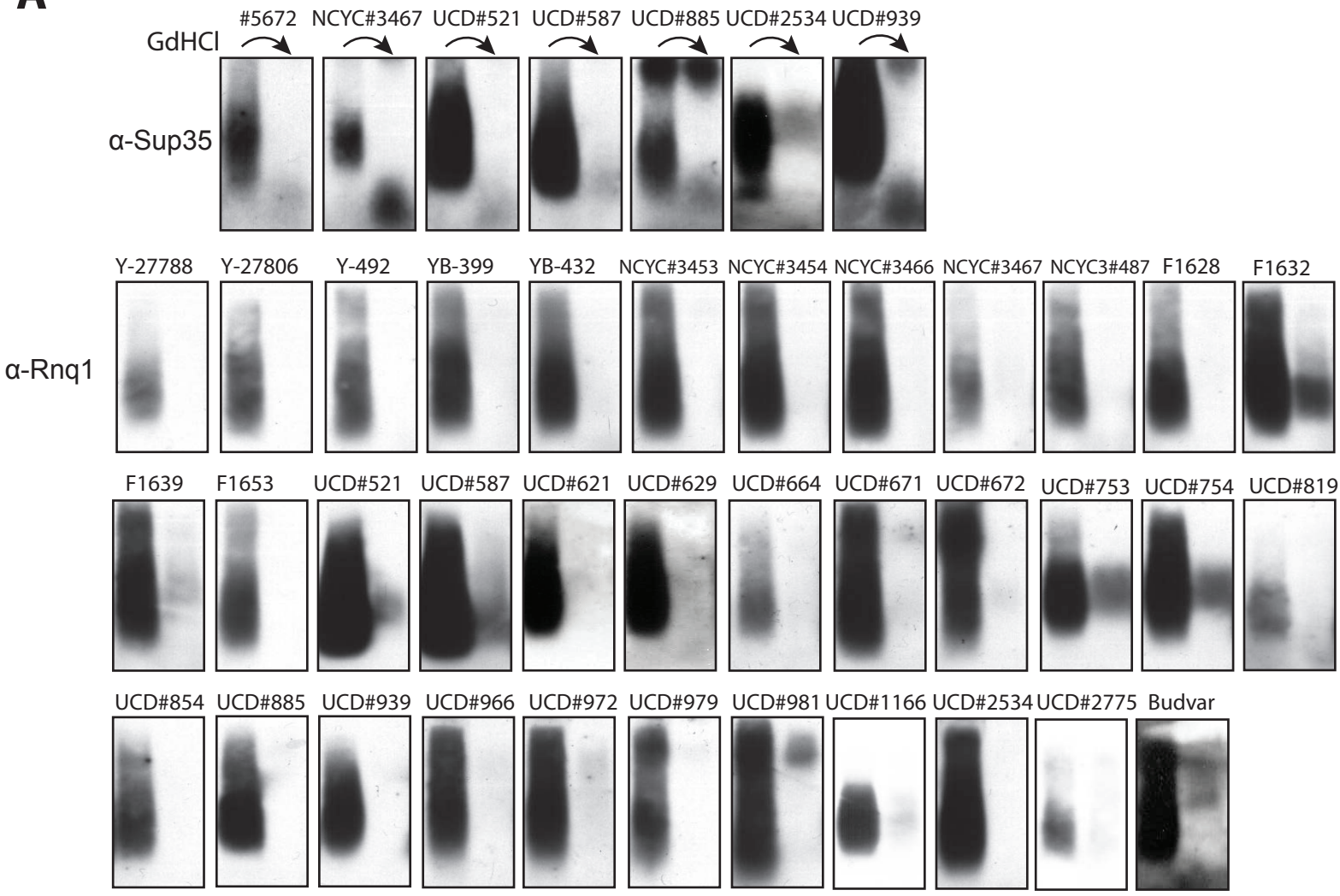
Supplementary Figure 1. Hsp104-dependence of natural Sup35 and Rnq1 amyloids. (A) SDD-AGEs probed for Sup35 or Rnq1 for the indicated strains before and after treatment with GdHCl. (B) The indicated strains were probed for Sup35 and Rnq1 after they had transiently carried a plasmid constitutively over-expressing either GFP or $Hsp104^{DN}$. (C) The indicated strains were probed for Sup35 and Rnq1 after they had transiently carried a plasmid constitutively over-expressing either GFP (-) or WT Hsp104. (+). Strain YJW508 is a [*PSI*$^{+}$] lab strain (*1*). (D) Immunoblot of the indicated strains over-expressing Hsp104 and $Hsp104^{DN}$, probed with anti-Hsp104.

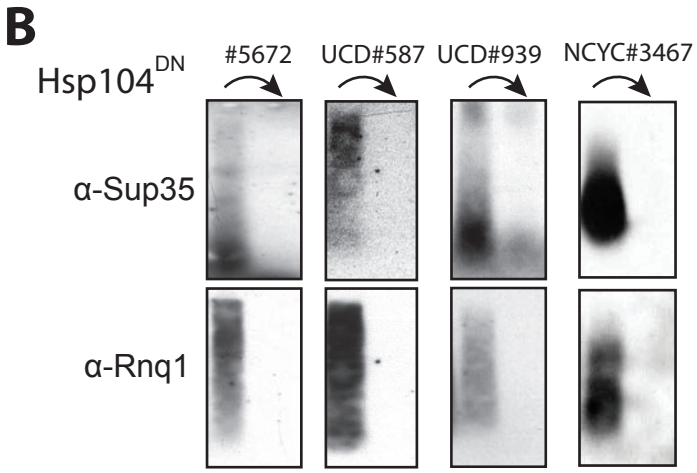
Supplementary Figure 2.
Wild strains (in blue) are as evolutionarily distant from each other as they are from lab strains (in black) or other wild strains whether they are other wine strains (green) or even clinical isolates (purple). Neighbor-joining tree was constructed using the genetic distance estimated from the number of pairwise distinct SNPs.

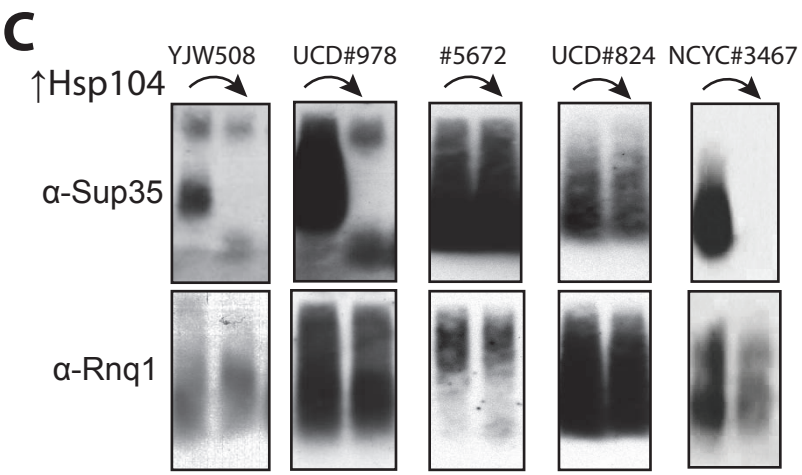
Supplementary Figure 3.
Growth of wild [*PSI*$^{+}$] strain #5672 and its cured derivative in minimal grape must medium (MMM) (*2*). This contrasts with very little difference in growth rate in rich medium (Table S4). Four independent isolates of each strain were inoculated in 96-well plates containing 150 μL MMM at an initial OD_{600} of 0.1. Plates were incubated at 30C, with shaking every 15 min prior to OD readings in a plate reader (Thermo multiskan). Error bars represent the standard deviation of the four measurements at each timepoint.

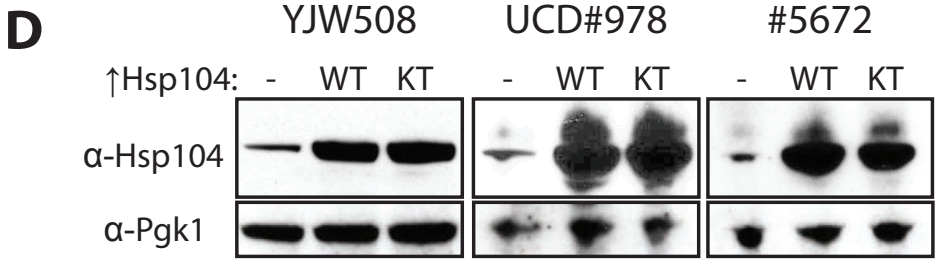
Supplementary Figure 4.
Experimental schematic for high throughput phenotyping of cured wild strains. Hundreds of wild yeast strains were cured of Hsp104-dependent prions they might harbor by passage on GdHCl. The original wild isolates and their cured derivatives were exposed in quadruplicate to diverse stressful conditions in 384-well plates. Their growth was measured every 20 hours by OD_{600} in a microplate reader following gentle agitation to re-suspend settled cells. In some strains and conditions the original isolates and cured strains grew comparably. In others the original isolate or the cured strain grew better.

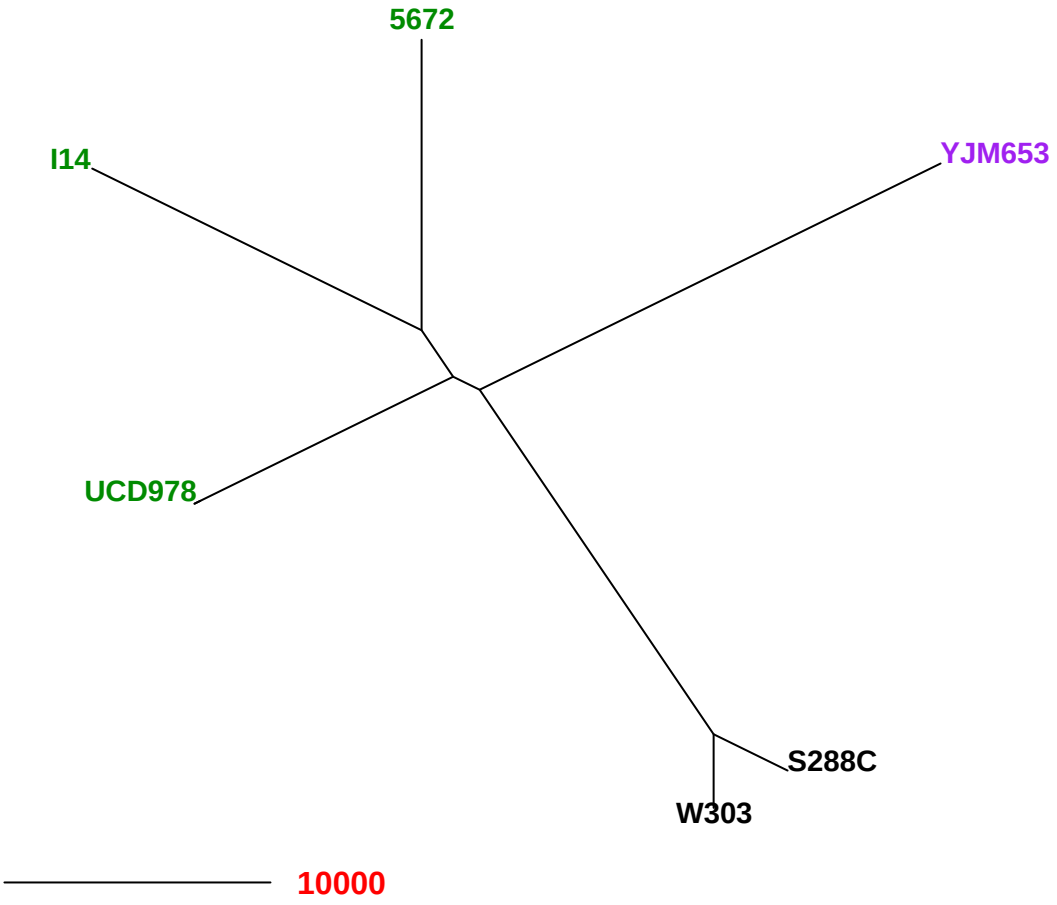
Figure S1


A
GdHCl
#5672 NCYC#3467 UCD#521 UCD#587 UCD#885 UCD#2534 UCD#939
α-Sup35
Y-27788 Y-27806 Y-492 YB-399 YB-432 NCYC#3453 NCYC#3454 NCYC#3466 NCYC#3467 NCYC3#487 F1628 F1632
α-Rnq1
F1639 F1653 UCD#521 UCD#587 UCD#621 UCD#629 UCD#664 UCD#671 UCD#672 UCD#753 UCD#754 UCD#819
UCD#854 UCD#885 UCD#939 UCD#966 UCD#972 UCD#979 UCD#981 UCD#1166 UCD#2534 UCD#2775 Budvar


B
Hsp104DN
#5672 UCD#587 UCD#939 NCYC#3467
α-Sup35
α-Rnq1


C
↑Hsp104
YJW508 UCD#978 #5672 UCD#824 NCYC#3467
α-Sup35
α-Rnq1


D
YJW508 UCD#978 #5672
↑Hsp104: - WT KT - WT KT - WT KT
α-Hsp104
α-Pgk1


5672
I14
YJM653
UCD978
S288C
W303
10000

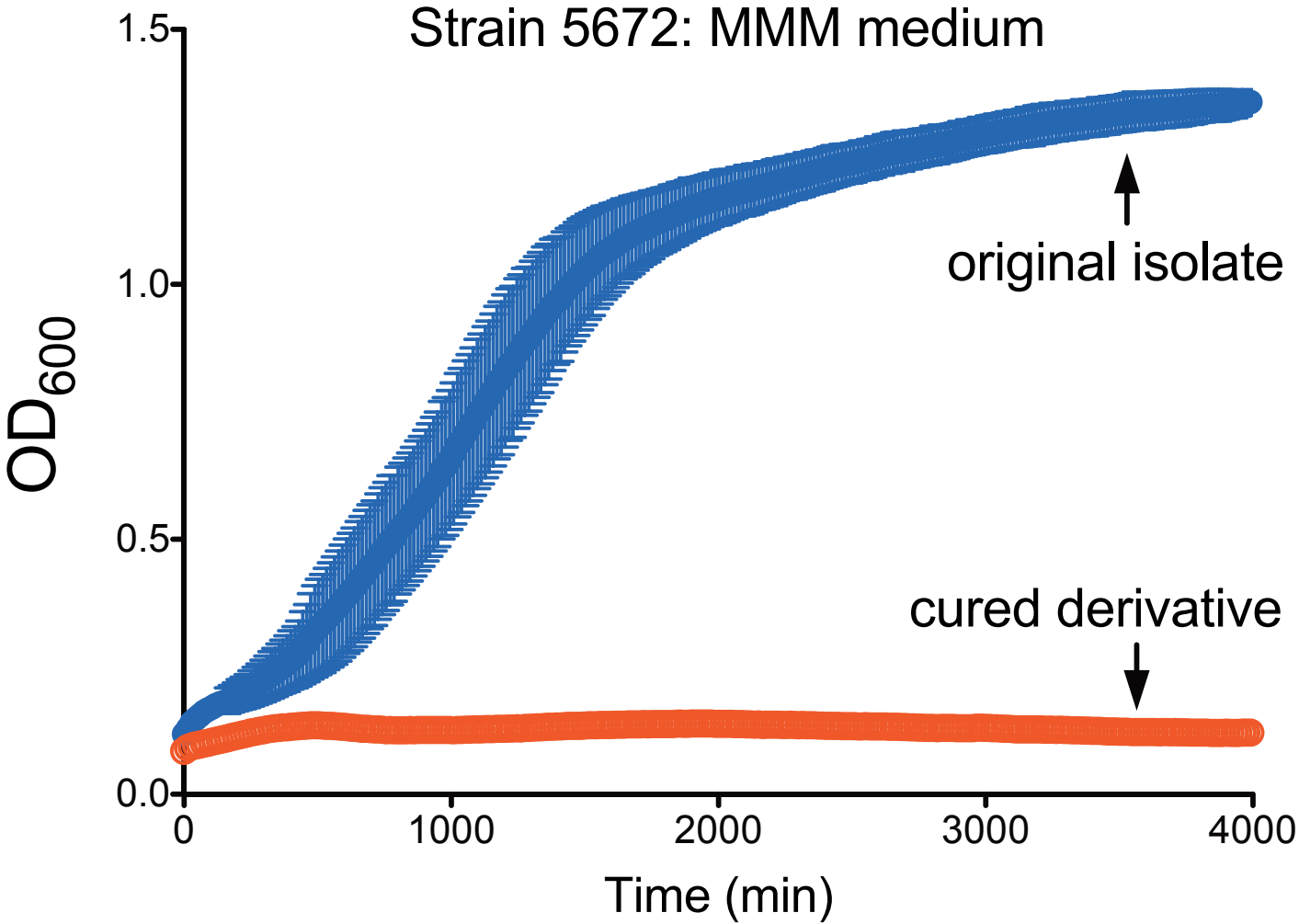
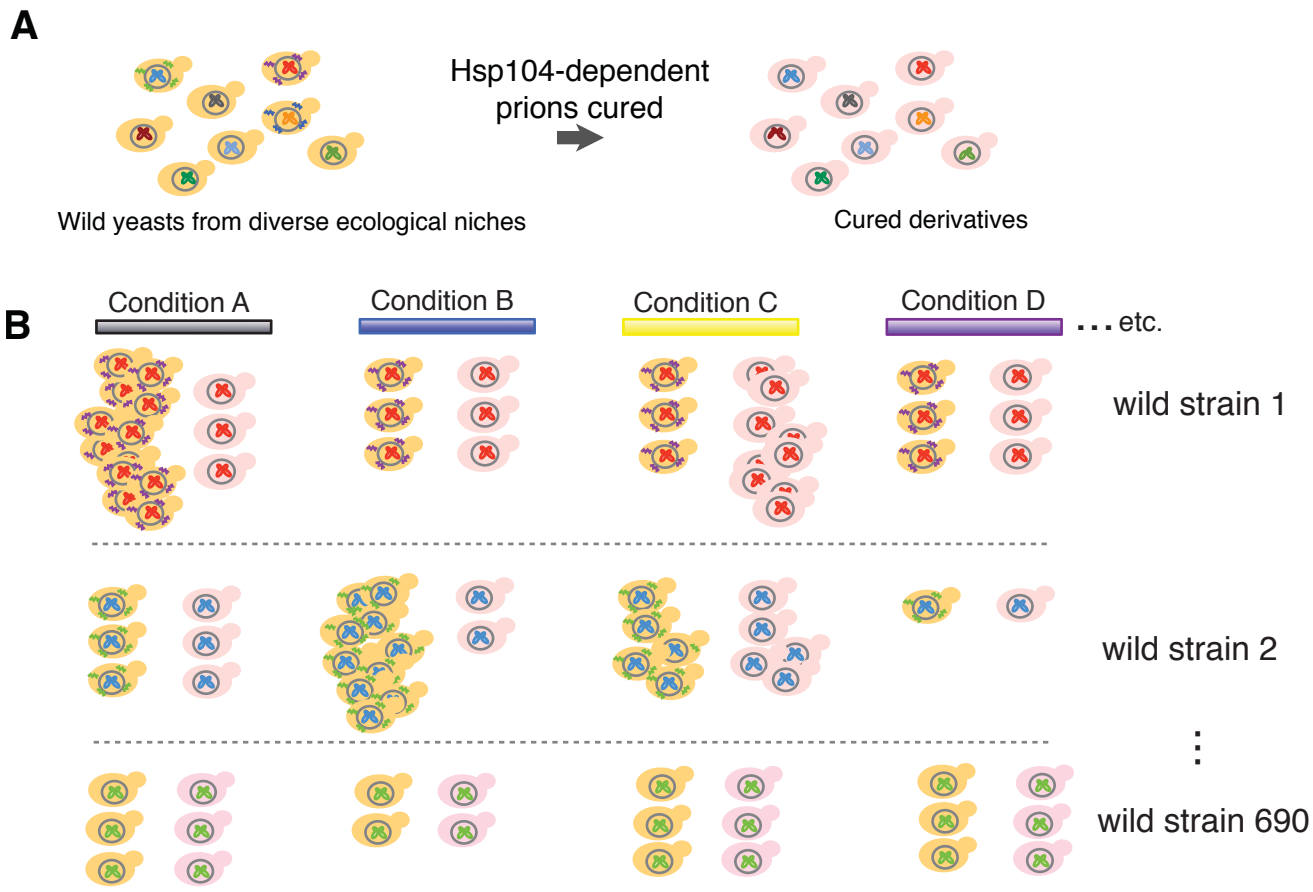

Strain 5672: MMM medium
1.5
1.0
0.5
0.0
OD600
original isolate
cured derivative
0
1000
2000
3000
4000
Time (min)

Figure S4


A
Hsp104-dependent
prions cured
Wild yeasts from diverse ecological niches
Cured derivatives
B
Condition A
Condition B
Condition C
Condition D
... etc.
wild strain 1
wild strain 2
wild strain 690

Supplementary Tables

Supplementary Table 1. *Saccharomyces* strains used in this study, prions they harbor, and their curable phenotypes. Sample source abbreviations are: (ARSC). Agricultural Research Service Culture Collection; (NCYC) National Collection of Yeast Cultures.

Strain	*Saccharomyces* species	Ecotype	Origin	Source	Prion status	Curable phenotype?	Condition	Cured with dominant negative Hsp104?
5672	*cerevisiae*	unknown	unknown	ARSC*	[RNQ+] [PSI+]	improved growth	minimal grape must medium	-
Abbey Ale	*cerevisiae*	beer	brewing	White Labs		reduced growth	Acid	-
ATCC 26249	*cerevisiae*	wine	AWRI 729	ATCC		reduced growth	Base	Yes
Belgian Ale	*cerevisiae*	beer	brewing	White Labs		improved growth	YPD	-
Budvar Lager	*cerevisiae*	beer	Czech republic brewery	Wyeast	[RNQ+]			
DBVPG1794	*cerevisiae*	soil	soil, Finland	DBVPG				
EM93	*cerevisiae*	fruit	rotting fig, Merced, California	ARSC				
English Ale	*cerevisiae*	beer	brewing	White Labs				
F1411	*cerevisiae*	unknown	unknown	Gerry Fink				
F1534	*cerevisiae*	wine	Cabernet sauvignon must, natural inoculum; Mortimer	Gerry Fink				
F1535	*cerevisiae*	wine	Cabernet sauvignon must, natural inoculum; Mortimer	Gerry Fink		reduced growth	4-NQO	Yes
F1536	*cerevisiae*	wine	Cabernet sauvignon must, natural inoculum; Mortimer	Gerry Fink				
F1537	*cerevisiae*	wine	Cabernet sauvignon must, natural inoculum; Mortimer	Gerry Fink				
F1538	*cerevisiae*	wine	Cabernet sauvignon must, natural inoculum; Mortimer	Gerry Fink				
F1539	*cerevisiae*	wine	Cabernet sauvignon must, Mortimer	Gerry Fink				

F1540	*cerevisiae*	wine	Cabernet sauvignon must, Mortimer	Gerry Fink			
F1541	*cerevisiae*	wine	Cabernet sauvignon must, Mortimer	Gerry Fink			
F1542	*cerevisiae*	wine	Cabernet sauvignon must, Mortimer	Gerry Fink			
F1543	*cerevisiae*	wine	Cabernet sauvignon must, Mortimer	Gerry Fink			
F1544	*cerevisiae*	wine	zinfandel; Mortimer	Gerry Fink			
F1545	*cerevisiae*	wine	zinfandel; Mortimer	Gerry Fink	improved growth	Hydroxyurea	Yes
F1546	*cerevisiae*	wine	zinfandel; Mortimer	Gerry Fink			-
F1547	*cerevisiae*	wine	zinfandel; Mortimer	Gerry Fink			-
F1548	*cerevisiae*	wine	zinfandel; Mortimer	Gerry Fink	reduced growth	4-NQO	Yes
					improved growth	YP-galactose	Yes
F1549	*cerevisiae*	wine	Cabernet sauvignon; Mortimer	Gerry Fink			
F1550	*cerevisiae*	wine	Cabernet sauvignon; Mortimer	Gerry Fink			
F1551	*cerevisiae*	wine	Cabernet sauvignon; Mortimer	Gerry Fink			
F1552	*cerevisiae*	wine	Cabernet sauvignon; Mortimer	Gerry Fink			
F1583	*cerevisiae*	clinical	AIDS patient; Rubin	Gerry Fink			
F1608	*cerevisiae*	clinical	induced sputum; Rubin	Gerry Fink			
F1619	*cerevisiae*	clinical	Rubin	Gerry Fink			
F1620	*cerevisiae*	clinical	larynx wash; Rubin	Gerry Fink			
F1621	*cerevisiae*	clinical	blood; Rubin	Gerry Fink			
F1622	*cerevisiae*	clinical	sputum; Rubin	Gerry Fink			
F1623	*cerevisiae*	clinical	pelvic drain; Rubin	Gerry Fink			

F1624	*cerevisiae*	clinical	blood; Rubin	Gerry Fink				
F1625	*cerevisiae*	clinical	bronch wash; Rubin	Gerry Fink				
F1626	*cerevisiae*	clinical	sputum; Rubin	Gerry Fink				
F1627	*cerevisiae*	clinical	lung wound; Rubin	Gerry Fink				
F1628	*cerevisiae*	clinical	wound left arm; Rubin	Gerry Fink	[RNQ+]			
F1629	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1630	*cerevisiae*	clinical	blood; Rubin	Gerry Fink				
F1631	*cerevisiae*	clinical	Rubin	Gerry Fink	[RNQ+]			
F1632	*cerevisiae*	clinical	Rubin	Gerry Fink	[RNQ+]			
F1633	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1634	*cerevisiae*	clinical	Rubin	Gerry Fink		improved growth	39C	Yes
F1635	*cerevisiae*	clinical	bronch wash; Rubin	Gerry Fink				
F1636	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1637	*cerevisiae*	clinical	urine; Rubin	Gerry Fink				
F1638	*cerevisiae*	clinical	peritoneal fluid; Rubin	Gerry Fink				
F1639	*cerevisiae*	clinical	lft chest wall; Rubin	Gerry Fink	[RNQ+]			
F1640	*cerevisiae*	clinical	Rubin	Gerry Fink		reduced growth	Hydroxyurea	Yes
F1641	*cerevisiae*	clinical	blood; Rubin	Gerry Fink				
F1642	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1643	*cerevisiae*	clinical	wound; Rubin	Gerry Fink				
F1644	*cerevisiae*	clinical	esophageal brushing; Rubin	Gerry Fink				
F1645	*cerevisiae*	clinical	blood; Rubin	Gerry Fink		reduced growth	Ethanol	-
F1646	*cerevisiae*	clinical	Rubin	Gerry Fink				

F1647	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1648	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1649	*cerevisiae*	clinical	tongue; Rubin	Gerry Fink				
F1650	*cerevisiae*	clinical	blood; Rubin	Gerry Fink				
F1651	*cerevisiae*	clinical	stool; Rubin	Gerry Fink				
F1652	*cerevisiae*	clinical	pleural tissue; Rubin	Gerry Fink		reduced growth	4-NQO	Yes
F1653	*cerevisiae*	clinical	abdominal wound; Rubin	Gerry Fink	[RNQ+]			
F1654	*cerevisiae*	clinical	ovary pus; Rubin	Gerry Fink				
F1655	*cerevisiae*	clinical	bronch wash; Rubin	Gerry Fink				
F1656	*cerevisiae*	clinical	bronch wash; Rubin	Gerry Fink				
F1657	*cerevisiae*	clinical	urine; Rubin	Gerry Fink				
F1658	*cerevisiae*	clinical	tongue; Rubin	Gerry Fink				
F1659	*cerevisiae*	clinical	bronch wash; Rubin	Gerry Fink				
F1660	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1661	*cerevisiae*	clinical	Rubin	Gerry Fink				
F1662	*cerevisiae*	clinical	body fluid; Rubin	Gerry Fink				
F1667	*cerevisiae*	unknown	unknown	Gerry Fink				
F1689	*cerevisiae*	clinical	sputum; Rubin	Gerry Fink				
F2089	*cerevisiae*	wine	Tokay 22 wine	Gerry Fink				
Forbidden Fruit Ale	*cerevisiae*	beer	brewing	Wyeast		reduced growth	YP-maltose	-
Gambrinus Lager	*cerevisiae*	beer	brewing	Wyeast				
I14	*cerevisiae*	wine	wine	Leonid Kruglyak		improved growth	Fluconazole	Yes
Irish Ale	*cerevisiae*	beer	brewing	White Labs				
NCYC 3264	*cerevisiae boulardii*	fruit	Lici fruit, Indonesia.	NCYC				

NCYC 3265	*cerevisiae*	soil	soil	NCYC			
NCYC 3266	*cerevisiae*	wine	wine/lab	NCYC			
NCYC 3273	*paradoxus*	oak	Exudate of Quercus mongolica, Ternei City, Russia.	NCYC			
NCYC 3274	*paradoxus*	insect	Drosophila, Tijuca Forest, Brazil.	NCYC			
NCYC 3275	*paradoxus*	oak	Exudate of Quercus mongolica, Ternei City, Russia.	NCYC			
NCYC 3276	*paradoxus*	oak	Oak, Russia.	NCYC	reduced growth	39C	Yes
NCYC 3277	*paradoxus*	oak	Bark of Quercus robur, Silwood park, Ascot, London, UK.	NCYC			
NCYC 3278	*paradoxus*	oak	Oak, London, UK.	NCYC			
NCYC 3279	*paradoxus*	soil	Soil beneath Q. velutina, Pennsylvania, USA.	NCYC			
NCYC 3280	*paradoxus*	oak	Oak, London, UK.	NCYC			
NCYC 3281	*paradoxus*	oak	Oak, London, UK.	NCYC			
NCYC 3282	*paradoxus*	oak	Oak, London, UK.	NCYC			
NCYC 3283	*paradoxus*	oak	Oak, London, UK.	NCYC	improved growth	YPD	-
NCYC 3284	*cerevisiae*	soil	Soil beneath Q. alba, Pennsylvania, USA	NCYC			
NCYC 3285	*paradoxus*	guano	Guano, Italy.	NCYC			
NCYC 3286	*paradoxus*	oak	Oak, London, UK.	NCYC			
NCYC 3287	*paradoxus*	oak	Exudate of Quercus mongolica, Cape Peschannyi, Vladivostok, Russia.	NCYC			
NCYC 3288	*paradoxus*	soil	Soil of moor, Denmark.	NCYC	reduced growth	YPD	-

NCYC 3289	*paradoxus*	insect	Drosophila, Davis, California, USA.	NCYC				
NCYC 3290	*cerevisiae* *manginii*	wine	Bili Wine, West Africa.	NCYC				
NCYC 3311	*cerevisiae*	soil	Soil, Turku, Finland	NCYC	[MOT3 +]	improved growth	pH 4	-
NCYC 3312	*cerevisiae*	soil	Soil, Netherlands.	NCYC				
NCYC 3313	*cerevisiae*	grain	White tecc, Ethiopia.	NCYC				
NCYC 3314	*cerevisiae*	wine	Barrel fermentation, Napa Valley, USA.	NCYC				
NCYC 3315	*cerevisiae*	oak	Oak, Woodland, Pennsylvania.	NCYC				
NCYC 3316	*paradoxus*	oak	Oak, Montreal , Canada	NCYC				
NCYC 3317	*paradoxus*	oak	Oak, Montreal, Canada	NCYC				
NCYC 3318	*cerevisiae*	wine	Wine fermentation, Maule Region, Chile.	NCYC				
NCYC 3319	*cerevisiae*	wine	Wine fermentation, Maule Region, Chile.	NCYC				
NCYC 3335	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3336	*paradoxus*	oak	Oak, London UK.	NCYC				
NCYC 3337	*paradoxus*	oak	Oak, London UK.	NCYC				
NCYC 3377	*paradoxus*	oak	Exudate of Quercus robur, Central Siberian Botanical Garden, Novo Sibirsk, Russia.	NCYC		improved growth	YPD	-
NCYC 3445	*cerevisiae*	wine	Palm Wine, Africa.	NCYC				
NCYC 3447	*cerevisiae*	grapes/must	Isolated from Grapes, Australia.	NCYC				
NCYC 3448	*cerevisiae*	fruit	Fruit of Opuntia stricta, Bahamas.	NCYC				
NCYC 3449	*cerevisiae*	fruit	Cladode of Opuntia megacantha, Hawaii	NCYC		improved growth	4-NQO	Yes

	cerevisiae		Beer spoilage strain, from wort					
NCYC 3451	*diastaticus*	beer	in Irish brewery.	NCYC				
NCYC 3452	*cerevisiae*	sake	Shochu Sake strain, Japan	NCYC				
NCYC 3453	*cerevisiae*	baking	Baker's strain, Netherlands	NCYC	[RNQ+]			
NCYC 3454	*cerevisiae*	baking	Le Saffre Baker's strain, Singapore	NCYC	[RNQ+]			
NCYC 3455	*cerevisiae*	clinical	Clinical isolate (Throat-sputum), Newcastle, UK	NCYC				
NCYC 3456	*cerevisiae*	clinical	Clinical Isolate (Sputum), Newcastle, UK	NCYC				
NCYC 3457	*cerevisiae*	clinical	Clinical isolate (Fecal), Newcastle, UK	NCYC				
NCYC 3458	*cerevisiae*	clinical	Clinical isolate (Vaginal), Bergamo, Italy.	NCYC				
NCYC 3460	*cerevisiae*	sake	Ragi (Sake type wine), Japan.	NCYC		reduced growth	YP-maltose	Yes
NCYC 3461	*cerevisiae* *uvarum*	fruit	Nectar of Bertam Palm, Malaysia.	NCYC				
NCYC 3462	*cerevisiae*	fruit	Nectar of Bertam Palm, Malaysia.	NCYC				
NCYC 3466	*cerevisiae*	fruit	Lab strain derived from crosses of wild strains (EM93 and EM126 isolated from rotting figs, Californ	NCYC	[RNQ+]			
NCYC 3467	*cerevisiae*	unknown	lab strain W303	NCYC	[RNQ+] [PSI+]			
NCYC 3468	*cerevisiae*	fruit	Bertam Palm, Trigona, Malaysia	NCYC				
NCYC 3469	*cerevisiae* *fructum*	wine	Fermenting Fruit Juice, Netherlands.	NCYC				
NCYC 3470	*cerevisiae*	wine	Wine, Sauternes, France.	NCYC				

NCYC 3471	*cerevisiae*	clinical	Clinical isolate (vaginal), Bergamo, Italy.	NCYC				
NCYC 3472	*cerevisiae*	clinical	Clinical isolate (vaginal), Bergamo, Italy.	NCYC				
NCYC 3473	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3474	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3475	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3476	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3477	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3478	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3479	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3480	*paradoxus*	oak	Oak, Russia	NCYC				
NCYC 3481	*paradoxus*	oak	Oak, London, UK	NCYC				
NCYC 3482	*paradoxus*	oak	Oak, Siberia	NCYC				
NCYC 3483	*paradoxus*	insect	Drosophila, Catalao point, Brazil	NCYC				
NCYC 3484	*paradoxus*	oak	Oak, Japan	NCYC				
NCYC 3485	*paradoxus*	fruit	Myoporum flux, Hawaii	NCYC				
NCYC 3486	*cerevisiae chevalieri*	beer	Ginger Beer from Z. officinale, West Africa	NCYC				
NCYC 3487	*cerevisiae*	baking	Baker's strain, Australia.	NCYC	[RNQ+]			
Northwest Ale	*cerevisiae*	beer	brewing	Wyeast				
OP1	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich				
OP10	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich		improved growth	YP-maltose	Yes
OP2	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich				
OP3	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich				
OP4	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich				
OP6	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich				

OP7	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich			
OP8	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich			
OP9	*cerevisiae*	soil	Occoneechee Park, VA	Dietzmann, Dietrich			
SK1	*cerevisiae*	soil	soil, USA	Leland Hartwell			
SM1	*cerevisiae*	soil	Stone Mountain, GA	Dietzmann, Dietrich			
SM12	*cerevisiae*	soil	Stone Mountain, GA	Dietzmann, Dietrich			
SM17	*cerevisiae*	soil	Stone Mountain, GA	Dietzmann, Dietrich			
SM2	*cerevisiae*	soil	Stone Mountain, GA	Dietzmann, Dietrich	reduced growth	Fluconazole	Yes
SM66	*cerevisiae*	soil	Stone Mountain, GA	Dietzmann, Dietrich			
SM69	*cerevisiae*	soil	Stone Mountain, GA	Dietzmann, Dietrich	reduced growth	Base	No
T73	*cerevisiae*	wine	wine	Leonid Kruglyak			
Trappist Ale	*cerevisiae*	beer	brewing	White Labs			
UCD690		*0* wine	Wine, 1979, unioculated UC Davis wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Base	-
					reduced growth	Hydroxyurea	-
UCD762		*0* wine	Wine yeast, cold tolerant, Italy, 1984	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Base	-
UCD1038	*cerevisiae*	unknown	Obtained from C. Lindegren (09/1945)	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Ethanol	-
UCD1044	*cerevisiae*	wine	Red Star Premeir Cuvee Iraji Honori isolates	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Ethanol	-
					reduced growth	Fluconazole	-
					reduced growth	YP-maltose	-

UCD1047	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD105	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD1109	*cerevisiae*	grapes/must	must	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-
					reduced growth	pH 9	-
					reduced growth	YP-glycerol	-
UCD1114	*cerevisiae*	unknown	ATCC through J. Castor, (06/01/47), ATCC 4360	Viticulture and Enology Yeast Collection, UC Davis			
UCD1144	*cerevisiae*	unknown	L. Hohl, Division of Fruit Products (1945), UCB, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1146	*kudriavzevii*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					reduced growth	Fluconazole	-
					reduced growth	pH 4	-
UCD1148	*cerevisiae*	wine	wine, California, 1935	Viticulture and Enology Yeast Collection, UC Davis			
UCD1149	*cerevisiae*	unknown	L. Hohl, Division of Fruit Products (1945), UCB, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Fluconazole	-
					reduced growth	NaCl	-

UCD1152	*cerevisiae*	wine	winery	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-
						reduced growth	Fluconazole	-
						reduced growth	YP-galactose	-
UCD1162	*cerevisiae*	unknown	L. Hohl, Division of Fruit Products (1945), UCB, California; Possible flor yeast based on analysis by Jean-Luc LeGras	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Fluconazole	-
UCD1165	*cerevisiae*	unknown	L. Hohl, Division of Fruit Products (1945), UCB, California	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
						reduced growth	Fluconazole	-
UCD1166	*cerevisiae*	unknown	Obtained from B. Porchet (1940) Switzerland	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	4-NQO	-
						reduced growth	Fluconazole	-
UCD1167	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis				
UCD1168	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis				
UCD1169	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis				
UCD1172	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis				
UCD1173	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis				
UCD1174	*cerevisiae*	unknown	misidentified in Viticulture and Enology	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	YP-glycerol	-

UCD1175	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	YP-maltose	-
UCD1176	*cerevisiae?*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1177	*cerevisiae*	wine	winery, Europe	Viticulture and Enology Yeast Collection, UC Davis			
UCD1178	*cerevisiae*	unknown	Fruit Products Collection (1940) UCB, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Fluconazole	-
UCD1180	*cerevisiae*	wine	wine, Riesling	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Hydroxyurea	-
					reduced growth	YP-glycerol	-
UCD1181	*cerevisiae*	wine	wine, Riesling	Viticulture and Enology Yeast Collection, UC Davis			
UCD1182	*cerevisiae*	wine	winery, Europe	Viticulture and Enology Yeast Collection, UC Davis			
UCD1186	*cerevisiae*	grapes/must	grape, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1187	*cerevisiae*	wine	wine, Sauterne	Viticulture and Enology Yeast Collection, UC Davis			
UCD1210	*cerevisiae*	fruit	Fig, California, fermenting	Viticulture and Enology Yeast Collection, UC Davis			
UCD1212	*cerevisiae*	grapes/must	FM grapes, Brazil	Viticulture and Enology Yeast Collection, UC Davis			
UCD1213	*cerevisiae*	wine	wine, Rimac, Peru	Viticulture and Enology Yeast Collection, UC Davis			
UCD1219	*cerevisiae*	beer	Beer brewing strain	Viticulture and Enology Yeast Collection, UC Davis			
UCD1222	*cerevisiae*	grapes/must	grapes, Thompsons seedless, California	Viticulture and Enology Yeast Collection, UC Davis			

UCD1223	*cerevisiae*	grapes/must	grapes, Thompson's seedless, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1224	*cerevisiae*	grapes/must	must, Thompson seedless, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1225	*cerevisiae*	grapes/must	must, Muscat, California	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD1226	*cerevisiae*	grapes/must	must, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1227	*cerevisiae*	grapes/must	must, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1229	*cerevisiae*	wine	wine, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD1230	*cerevisiae*	grapes/must	must, Semillon, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1231	*cerevisiae*	grapes/must	must, California	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD1232	*cerevisiae*	grapes/must	must, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1233	*cerevisiae*	grapes/must	must, Concord, California	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	Ethanol	-
					improved growth	Fluconazole	-
UCD1234	*cerevisiae*	grapes/must	must, concord, California	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD1235	*cerevisiae*	grapes/must	must, Muscat, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1244	*cerevisiae*	grapes/must	grape, Chasselas, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1245	*cerevisiae*	grapes/must	grape, Alicante, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-

UCD1246	*cerevisiae*	grapes/must	grape, Muscat, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1248	*cerevisiae*	grapes/must	must, Muscat, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1250	*cerevisiae*	grapes/must	pomace, red, California, wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD1251	*cerevisiae*	grapes/must	pomace, white, California, wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD1252	*cerevisiae*	grapes/must	must, white, California	Viticulture and Enology Yeast Collection, UC Davis			
UCD1253	*cerevisiae*	grapes/must	grapes, Thompson Seedless & Malaga, California	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Ethanol	-
UCD1254	*cerevisiae*	wine	wine, muscat, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	pH 9	-
					improved growth	4-NQO	-
UCD1256	*cerevisiae*	wine	Tokay yeast preparation, wine	Viticulture and Enology Yeast Collection, UC Davis			-
UCD1257	*cerevisiae*	grapes/must	grapes, Tokay, California	Viticulture and Enology Yeast Collection, UC Davis			-
UCD1259	*cerevisiae*	grapes/must	must, California	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD126	*cerevisiae*	unknown	Mrak 1948, Sacch. uvarum	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					improved growth	4-NQO	-
					improved growth	YP-galactose	-
UCD1260	*cerevisiae*	wine	wine, sweet	Viticulture and Enology Yeast Collection, UC Davis			
UCD1263	*cariocanus*	wine	France, grape or wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-

UCD1265	*cerevisiae*	beer	Ale, beer, USA	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	YP-maltose	-
UCD1267	*cerevisiae*	beer	Ale, beer, USA	Viticulture and Enology Yeast Collection, UC Davis			
UCD1268	*cerevisiae*	beer	Ale, beer, USA	Viticulture and Enology Yeast Collection, UC Davis			
UCD1273	*cerevisiae*	unknown	Killer yeast, from Wickner: Wickner RB, Leibowitz MJ. J. Mol. Biol. 105: 427-443, 1976.	Viticulture and Enology Yeast Collection, UC Davis			
UCD1282	*cerevisiae*	grapes/must	Grape, Jundiri, Brazil	Viticulture and Enology Yeast Collection, UC Davis			
UCD13	*cerevisiae*	unknown	Possibly an original "lab" yeast from Castor to Mrak in 1940, "P-CN of Stier and Castor"	Viticulture and Enology Yeast Collection, UC Davis			
UCD1419	*cerevisiae*	beer	Denmark, beer	Viticulture and Enology Yeast Collection, UC Davis			
UCD1427	*cerevisiae*	distilling	distillary, Australia, fermentation	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Fluconazole	-
UCD1444	*cerevisiae*	unknown	“Culture obtained from Waite Institute, original # J16 (1947)” “Adelaide University, Australia”	Viticulture and Enology Yeast Collection, UC Davis			
UCD1445	*cerevisiae*	unknown	“Culture obtained from Waite Institute, original # J3 (1947)” “Adelaide University, Australia”	Viticulture and Enology Yeast Collection, UC Davis			

UCD1448	*cerevisiae*	unknown	"Culture obtained from Waite Institute, original # J7B (1947)" "Adelaide University, Australia"	Viticulture and Enology Yeast Collection, UC Davis			
UCD153	*sp.*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD155	*sp.*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD157	*sp.*	unknown	Fomachon to Mrak, 1956, Possibly from Australia, isolate was probably from fermentation of wine or bread?	Viticulture and Enology Yeast Collection, UC Davis			
UCD160	*pastorianus*	wine	wine, Region de Monbazillac	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	tBOOH	-
					reduced growth	YP-galactose	-
UCD167	*cerevisiae*	wine	wine,Tripoli	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	tBOOH	-
UCD168	*cerevisiae*	wine	wine,Tripoli	Viticulture and Enology Yeast Collection, UC Davis			
UCD173	*pastorianus*	grapes/must	Must, Western Sicily	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Hydroxyurea	-
UCD174	*pastorianus*	grapes/must	Must, Island of Pantelleria	Viticulture and Enology Yeast Collection, UC Davis			
UCD175	*cerevisiae*	grapes/must	Must, Eastern Sicily (Etna)	Viticulture and Enology Yeast Collection, UC Davis			
UCD176	*cerevisiae*	grapes/must	Must, Eastern Sicily (Etna)	Viticulture and Enology Yeast Collection, UC Davis			
UCD2031	*cerevisiae*	wine	commercial yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2032	*cerevisiae*	wine	Commercial dry yeast	Viticulture and Enology Yeast Collection, UC Davis			

UCD2033	*cerevisiae*	wine	Commercial dry yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2034	*cerevisiae*	wine	Commercial yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2035	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2036	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	Ethanol	-
UCD2038	*cerevisiae*	wine	Commercial dry wine culture	Viticulture and Enology Yeast Collection, UC Davis				
UCD2039	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2061	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Fluconazole	-
UCD2068	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2069	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2070	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Fluconazole	-
UCD2071	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2073	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2074	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2086	*sp.*	wine	Stuck fermentation, wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	YP-maltose	-
UCD2087	*sp.*	wine	Stuck fermentation, wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD2088	*sp.*	wine	Stuck fermentation, wine	Viticulture and Enology Yeast Collection, UC Davis				

UCD2089	*sp.*	wine	Stuck fermentation, wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD2090	*sp.*	wine	Stuck fermentation, wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD2099	*cerevisiae race bayanus*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2103	*cerevisiae*	wine	Barrel fermentation, Luna	Viticulture and Enology Yeast Collection, UC Davis			
UCD2118	*cerevisiae*	wine	Barrel fermentation, Luna	Viticulture and Enology Yeast Collection, UC Davis			
UCD2120	*cerevisiae*	wine	Wine, Barrel fermentation	Viticulture and Enology Yeast Collection, UC Davis			
UCD2121	*cerevisiae*	wine	Barrel fermentation, Luna	Viticulture and Enology Yeast Collection, UC Davis			
UCD2122	*cerevisiae*	wine	Barrel fermentation, Luna	Viticulture and Enology Yeast Collection, UC Davis			
UCD2176	*cerevisiae*	wine	wine, barrel	Viticulture and Enology Yeast Collection, UC Davis			
UCD2177	*cerevisiae*	wine	wine, barrel	Viticulture and Enology Yeast Collection, UC Davis			
UCD2199	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD2201	*cerevisiae*	wine	wine or must	Viticulture and Enology Yeast Collection, UC Davis			
UCD2205	*cerevisiae*	wine	wine or must	Viticulture and Enology Yeast Collection, UC Davis			
UCD2206	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD2211	*servazzii*	grapes/must	must	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD2212	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis			

UCD2213	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD2214	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD2215	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD2216	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD2389	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD2390	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	pH 4	-
UCD2391	*cerevisiae race bayanus*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	YP-maltose	-
UCD2392	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	pH 4	-
UCD2393	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2394	*cerevisiae race bayanus*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Ethanol	-
UCD2395	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2410	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD2411	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2412	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-glycerol	-

UCD2413	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	pH 4	-
UCD2414	*cerevisiae race bayanus*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Fluconazole	-
					improved growth	pH 4	-
UCD2415	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2416	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2417	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
					improved growth	NaCl	-
UCD2454	*cerevisiae*	beer	Beer	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD2496	*cerevisiae*	wine	Commercial dry wine Yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	YP-maltose	-
UCD2497	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	pH 4	-
UCD2498	*cerevisiae var. bayanus*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					improved growth	Fluconazole	-
UCD2499	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2500	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2501	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-

					improved growth	Hydroxyurea	-
					improved growth	YP-maltose	-
UCD2502	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	YP-maltose	-
UCD2521	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2522	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2523	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2524	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2525	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2526	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2527	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	tBOOH	-
					improved growth	YP-maltose	-
UCD2528	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2529	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-maltose	-
UCD2530	*cerevisiae race bayanus*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	pH 4	-

UCD2531	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Fluconazole	-
UCD2532	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
						improved growth	Fluconazole	-
						improved growth	YP-galactose	-
UCD2533	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Fluconazole	-
UCD2534	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	improved growth	pH 4	-
UCD2535	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Ethanol	-
						improved growth	Fluconazole	-
						improved growth	Hydroxyurea	-
						improved growth	pH 4	-
UCD2536	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
						improved growth	NaCl	-
UCD2537	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD2538	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD2539	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD2540	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				

UCD2541	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2542	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2543	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	NaCl	-
					improved growth	4-NQO	-
UCD2544	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	NaCl	-
					improved growth	Ethanol	-
					improved growth	YP-maltose	-
UCD2545	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
					improved growth	Fluconazole	-
UCD2546	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					improved growth	YP-maltose	-
UCD2547	*cerevisiae*	wine	Wine Spain	Viticulture and Enology Yeast Collection, UC Davis			
UCD2553	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
					reduced growth	NaCl	-
					improved growth	Fluconazole	-
UCD2554	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			

UCD2555	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	NaCl	-
UCD2607	*cerevisiae*	fruit	Figs, Merced California, fermenting	Viticulture and Enology Yeast Collection, UC Davis			
UCD2608	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2609	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2610	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
					improved growth	YP-maltose	-
UCD2611	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	NaCl	-
					improved growth	Fluconazole	-
UCD2614	*cerevisiae*	wine	wine, 2006 California	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Hydroxyurea	-
UCD2616	*cerevisiae*	wine	Chardonnay, 2007, Napa Valley, California, wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-galactose	-
UCD2617	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
					improved growth	tBOOH	-
UCD27	*sp.*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD2747	*sp*	wine	Commercial yeast, Anchor	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2756	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis			

UCD2773	*cerevisiae*	unknown	Commercial yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2774	*cerevisiae*	unknown	Commercial yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	tBOOH	-
UCD2775	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	pH 4	-
UCD2778	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2779	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD2780	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	pH 9	-
UCD2781	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD2782	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Ethanol	-
					improved growth	Fluconazole	-
					improved growth	YP-glycerol	-
UCD2783	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD447	*cerevisiae*	unknown	Mrak 1948	Viticulture and Enology Yeast Collection, UC Davis			
UCD49	*cerevisiae*	fruit	citrus fermentation	Viticulture and Enology Yeast Collection, UC Davis			
UCD501	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD502	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD503	*cerevisiae*	wine	champagne, wine	Viticulture and Enology Yeast Collection, UC Davis			

UCD505	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD506	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD507	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD509	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD51	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD510	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD511		*0* wine	wine, Champagne, 1958	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
UCD512	*cerevisiae*	wine	cognac, ferm	Viticulture and Enology Yeast Collection, UC Davis				
UCD513	*cerevisiae*	distilling	fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD514	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD515	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
UCD517	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
UCD518	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
UCD519	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD520	*cerevisiae*	wine	Malaga wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
UCD521	*cerevisiae*	wine	Marsala wine	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	reduced growth	Hydroxyurea	-

UCD522	*cerevisiae*	wine	Montrachet wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD523	*cerevisiae*	wine	Moselle wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD524	*cerevisiae*	wine	Muscatel wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-glycerol	-
UCD525	*cerevisiae*	wine	Port wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD526	*cerevisiae*	wine	wine, Rhine	Viticulture and Enology Yeast Collection, UC Davis			
UCD527	*cerevisiae*	wine	Riesling wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
					improved growth	Hydroxyurea	-
UCD529	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Fluconazole	-
UCD530	*cerevisiae*	wine	Wine, Tokay	Viticulture and Enology Yeast Collection, UC Davis			
UCD532	*cerevisiae*	wine	Wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD533	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD535	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD538	*cerevisiae*	wine	Bourgogne wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD539	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD541	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD542	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-

					reduced growth	YP-maltose	-
UCD544	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD545	*cerevisiae*	wine	Sauternes wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD546	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD547	*cerevisiae*	beer	Beer	Viticulture and Enology Yeast Collection, UC Davis			
UCD550	*cerevisiae*	wine	wine?	Viticulture and Enology Yeast Collection, UC Davis			
UCD552	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD553	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD554	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD555	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
					improved growth	pH 4	-
UCD556	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD557	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD558	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD561	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD562	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			

UCD563	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD565	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD567	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD568	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD569	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD571	*cerevisiae*	wine	Sherry wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
					reduced growth	pH 4	-
UCD574	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD575	*cerevisiae*	wine	Sylvaner wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	pH 9	-
					improved growth	Ethanol	-
UCD577	*cerevisiae*	wine	Muscat wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD578	*cerevisiae*	wine	Gewurtraminer wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD579	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD580	*sp*	wine	Flor Yeast, Sherry wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD586	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-maltose	-

UCD587	*cerevisiae (determined by ITS1 sequencing in our lab; originally annotated as bayanus)*	grapes/must	Must Semillon	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	improved growth	4-NQO	-
						improved growth	Ethanol	-
UCD588	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD591	*cerevisiae*	wine	wine, German	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	NaCl	-
UCD594	*cerevisiae race bayanus*	wine	Champagne wine, France	Viticulture and Enology Yeast Collection, UC Davis				
UCD595	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD603	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD604	*cerevisiae*	wine	Wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD609	*cerevisiae race bayanus*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD610	*sp.*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis		improved growth	pH 4	-
UCD611	*cerevisiae*	sake	Sake, rice wine	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD612	*cerevisiae*	sake	Sake, rice wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD613	*cerevisiae*	sake	Sake, rice wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	NaCl	-
						improved growth	4-NQO	-

						improved growth	YP-maltose	-
UCD619	*cerevisiae*	wine	Wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD620	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD621	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	4-NQO	-
UCD622	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD623	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD624	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD628	*kluyveri*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD629	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD632	*cerevisiae*	grapes/must	must	Viticulture and Enology Yeast Collection, UC Davis				
UCD634	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD640	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD647	*cerevisiae*	grapes/must	must	Viticulture and Enology Yeast Collection, UC Davis				
UCD650	*cerevisiae*	wine	wine fermentation	Viticulture and Enology Yeast Collection, UC Davis				
UCD653	*cerevisiae*	wine	commercial wine strain	Viticulture and Enology Yeast Collection, UC Davis		improved growth	YP-maltose	-
UCD656	*cerevisiae*	sake	Sake, rice wine	Viticulture and Enology Yeast Collection, UC Davis				

UCD658	*sp.*	wine	wine, champagne	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Fluconazole	-
						reduced growth	pH 9	-
UCD659	*sp.*	wine	wine, champagne	Viticulture and Enology Yeast Collection, UC Davis				
UCD660	*cerevisiae*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD661	*cerevisiae race bayanus*	wine	wine, champagne	Viticulture and Enology Yeast Collection, UC Davis				
UCD662	*cerevisiae race bayanus*	wine	wine, champagne	Viticulture and Enology Yeast Collection, UC Davis				
UCD664	*uvarum*	fruit	apple cider, fermentation	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD667	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Fluconazole	-
						improved growth	YP-maltose	-
UCD668	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD669	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Fluconazole	-
UCD670	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
UCD671	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	Ethanol	-
UCD672	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD673	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD674	*sp.*	baking	commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis				

UCD675	*sp.*	baking	Commercial bread yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD676	*sp.*	baking	Commercial dry bread yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	pH 9	-
UCD677	*sp.*	baking	commercial dry bread yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	tBOOH	-
UCD679	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD680	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
UCD681	*sp.*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	NaCl	-
UCD682	*bayanus/pastorianus*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD684	*bayanus/pastorianus*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD685	*bayanus*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	NaCl	-
					reduced growth	pH 4	-
					reduced growth	YP-galactose	-
					reduced growth	YP-glycerol	-
					improved growth	Ethanol	-
					improved growth	YP-maltose	-
UCD690		*0* wine	Wine, 1979, unioculated UC Davis wine	Viticulture and Enology Yeast Collection, UC Davis			
UCD701	*cerevisiae*	grapes/must	Grapes, California	Viticulture and Enology Yeast Collection, UC Davis			

UCD702	*sp.*	wine	wine, champagne	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
UCD705	*cerevisiae*	beer	Beer, Germany	Viticulture and Enology Yeast Collection, UC Davis				
UCD706	*cerevisiae*	wine	wine, Gamay	Viticulture and Enology Yeast Collection, UC Davis				
UCD712	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	tBOOH	-
UCD713	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD715	*sp.*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
						improved growth	NaCl	-
						improved growth	pH 4	-
UCD723		*0* wine	Wine, Sauvignon Blanc, 1980	Viticulture and Enology Yeast Collection, UC Davis				
UCD724		*0* wine	Wine, Pinot Blanc, 1980	Viticulture and Enology Yeast Collection, UC Davis				
UCD725	*sp.*	wine	commercial wine strain	Viticulture and Enology Yeast Collection, UC Davis				
UCD726	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD750	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD753	*cerevisiae*	wine	wine, German? (C.S.O.-Centro Servizi Ortofrutticoli-Soc. Coop., Italy)	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD754	*cerevisiae*	wine	wine, German? (C.S.O.-Centro Servizi Ortofrutticoli-Soc. Coop., Italy)	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	improved growth	Hydroxyurea	-

UCD755	*cerevisiae*	wine	wine, German? (C.S.O.-Centro Servizi Ortofrutticoli-Soc. Coop., Italy)	Viticulture and Enology Yeast Collection, UC Davis
UCD756	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD757	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD758	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD759	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD76	*cerevisiae*	fruit	Originally in Mrak's collection, 1948; Jean luc LeGras says it is the same as strain 49 which is from a citrus fermentation	Viticulture and Enology Yeast Collection, UC Davis
UCD760	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD761	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD762		*0* wine	Wine yeast, cold tolerant, Italy, 1984	Viticulture and Enology Yeast Collection, UC Davis
UCD763	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD764	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD765	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis
UCD766	*cerevisiae*	wine	Commercial wine yeast from Germany	Viticulture and Enology Yeast Collection, UC Davis
UCD767	*cerevisiae race bayanus*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis

UCD768	*cerevisiae*	wine	wine yeast; "from a German company"	Viticulture and Enology Yeast Collection, UC Davis			
UCD769	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-maltose	-
UCD77	*cerevisiae*	wine	wine, champagne	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD770	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD771	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD772	*sp.*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	NaCl	-
					improved growth	tBOOH	-
UCD773	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Ethanol	-
					improved growth	Hydroxyurea	-
					improved growth	NaCl	-
UCD774	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD775	*cerevisiae*	wine	wine, Champagne	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD777	*cerevisiae race bayanus*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					improved growth	tBOOH	-
					improved growth	YP-galactose	-
UCD778	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-

UCD779	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	reduced growth	Ethanol	-
UCD781	*kudriavzevii*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD782	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	YP-glycerol	-
UCD784	*cerevisiae*	wine	Alcohol tolerant wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD787	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis		improved growth	pH 4	-
UCD80	*cerevisiae*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis				
UCD804	*sp*	wine	commercial wine yeast, champagne	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
UCD808	*kudriavzevii*	unknown	Contaminant in New York seltzer	Viticulture and Enology Yeast Collection, UC Davis				
UCD81	*cerevisiae*	unknown	From Steiner to Mrak in about 1940, another early "lab" yeast?	Viticulture and Enology Yeast Collection, UC Davis				
UCD810	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD811	*cerevisiae race bayanus*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
						reduced growth	Hydroxyurea	-
UCD812	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
						reduced growth	Hydroxyurea	-
UCD813	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-

						reduced growth	Ethanol	-
						reduced growth	pH 9	-
						reduced growth	YP-galactose	-
UCD814	*cerevisiae race bayanus*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	YP-glycerol	-
UCD815	*cerevisiae race bayanus*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD816	*cerevisiae*	wine	Red Star Yeast, Dan Star (Copenhagen) DGI-228	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	YP-maltose	-
UCD818	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD819	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	tBOOH	-
UCD82	*cerevisiae*	unknown	From Steiner to Mrak in about 1940, another early "lab" yeast?	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD820	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	pH 4	-
UCD821	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD822	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD823	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD824	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	improved growth	pH 4	-
						improved growth	Fluconazole	-

UCD825	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD829	*cerevisiae race bayanus*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
UCD83	*cerevisiae*	unknown	Steiner to Mrak, 1940's, originally may have come from Dekker	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	tBOOH	-
UCD830	*cerevisiae*	wine	wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD839	*cerevisiae*	unknown	Benda Keller K158 (75-9187), from Benda and Keller (Germany) K158 is probably the strain, the 75-9187 may refer to the year 1975.	Viticulture and Enology Yeast Collection, UC Davis				
UCD840	*cerevisiae*	wine	wine strain	Viticulture and Enology Yeast Collection, UC Davis				
UCD854	*cerevisiae*	beer	Ale, England, beer	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD855	*kudriavzevii*	wine	wine, champagne, Europe	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	pH 4	-
						reduced growth	YP-glycerol	-
UCD856	*cerevisiae*	baking	bread yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD857	*cerevisiae*	beer	Beechwood chip, beer	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Hydroxyurea	-
						improved growth	NaCl	-
UCD86	*cerevisiae, race bayanus*	wine	wine?	Viticulture and Enology Yeast Collection, UC Davis				
UCD861	*cerevisiae*	wine	wine, Cellar experiment	Viticulture and Enology Yeast Collection, UC Davis		improved growth	Hydroxyurea	-

UCD862	*cerevisiae*	wine	wine, Cellar experiment	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD866	*cerevisiae*	wine	commercial wine yeast, dried	Viticulture and Enology Yeast Collection, UC Davis				
UCD867	*cerevisiae*	wine	commercial yeast, wine?	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Fluconazole	-
						improved growth	4-NQO	-
UCD868	*kudriavzevii*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD869	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD87	*cerevisiae*	unknown	From Carlsberg Lab to Mrak 1948, Hansen?	Viticulture and Enology Yeast Collection, UC Davis				
UCD877	*cerevisiae*	wine	wine, Czechoslovakia	Viticulture and Enology Yeast Collection, UC Davis				
UCD878	*cerevisiae*	wine	wine, Czechoslovakia	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	pH 4	-
UCD879	*cerevisiae*	wine	wine, Czechoslovakia	Viticulture and Enology Yeast Collection, UC Davis				
UCD884	*sp.*	wine	From Hennie van Vuuren, South Africa, 1991, K refers to killer factor. He did work on this for use in the wine industry.	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
UCD885	*sp.*	wine	From Hennie van Vuuren, South Africa, 1991, K refers to killer factor. He did work on this for use in the wine industry.	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]			

UCD886	*sp.*	wine	From Hennie van Vuuren, South Africa, 1991, K refers to killer factor. He did work on this for use in the wine industry.	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD887	*sp*	wine	From Hennie van Vuuren, commercial German yeast from Geisenheim	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-maltose	-
UCD888	*sp*	wine	wine	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD889	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. 1991	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
UCD89	*cerevisiae race bayanus*	unknown	Scheffer and Mrak used in publicaton in early 1950's, something about Rec A in annotation	Viticulture and Enology Yeast Collection, UC Davis			
UCD890	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. 1991	Viticulture and Enology Yeast Collection, UC Davis			
UCD891	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. 1991	Viticulture and Enology Yeast Collection, UC Davis			
UCD892	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. 1991	Viticulture and Enology Yeast Collection, UC Davis			

UCD893	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. 1991	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD894	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. 1991	Viticulture and Enology Yeast Collection, UC Davis			
UCD897	*cerevisiae*	unknown	Stored for Viticulture and Enology Collection (Mary Miranda), 1991. FST collection was being culled, V&E took wine and beer strains.	Viticulture and Enology Yeast Collection, UC Davis			
UCD902	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. High fusel oil strain. 1996	Viticulture and Enology Yeast Collection, UC Davis			
UCD903	*cerevisiae*	unknown	Paolo Guidici DPVA - Italy, from the collection in the Food Science group in Bologna. High fusel oil strain. 1996	Viticulture and Enology Yeast Collection, UC Davis			
UCD904	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Ethanol	-
UCD905	*cerevisiae*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	tBOOH	-
					reduced growth	YP-glycerol	-
					improved growth	4-NQO	-

					improved growth	Fluconazole	-
					improved growth	Hydroxyurea	-
					improved growth	NaCl	-
					improved growth	pH 4	-
					improved growth	pH 9	-
UCD906	*sp*	wine	Commercial, dry wine culture	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD907	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	pH 9	-
UCD908	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD909	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Hydroxyurea	-
					reduced growth	YP-maltose	-
UCD910	*cerevisiae*	sake	Sake, rice wine	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Fluconazole	-
					reduced growth	pH 9	-
					reduced growth	YP-glycerol	-
					reduced growth	YP-maltose	-
UCD911	*sp.*	sake	sake, rice wne	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	pH 9	-

						reduced growth	YP-maltose	-
UCD912	*sp.*	beer	Beer, lager	Viticulture and Enology Yeast Collection, UC Davis				
UCD913	*sp.*	beer	Ale, beer, California	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]			
UCD914	*sp*	beer	Ale, beer, USA	Viticulture and Enology Yeast Collection, UC Davis		improved growth	YP-galactose	-
UCD916	*sp*	beer	beer, Lager, USA	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Fluconazole	-
						reduced growth	Hydroxyurea	-
						reduced growth	NaCl	-
						reduced growth	pH 9	-
						reduced growth	YP-glycerol	-
						improved growth	4-NQO	-
						improved growth	Ethanol	-
UCD919	*sp.*	sake	Sake, Japan, rice wine	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-
						reduced growth	Ethanol	-
						reduced growth	Fluconazole	-
						reduced growth	Hydroxyurea	-
						reduced growth	NaCl	-

					reduced growth	pH 4	-
					reduced growth	pH 9	-
					reduced growth	tBOOH	-
					reduced growth	YP-galactose	-
					reduced growth	YP-maltose	-
UCD924	*cerevisiae*	wine	Commercial wine, Active dry yeast	Viticulture and Enology Yeast Collection, UC Davis			
UCD925	*cerevisiae race bayanus*	wine	Commercial wine, Active Dry Yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Fluconazole	-
					reduced growth	NaCl	-
					reduced growth	pH 9	-
UCD926	*cerevisiae*	wine	Commercial wine, Active dry yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	NaCl	-
					reduced growth	YP-maltose	-
UCD927	*cerevisiae*	wine	Commercial wine, Active dry yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Hydroxyurea	-
					reduced growth	YP-maltose	-
					improved growth	Ethanol	-

UCD928	*cerevisiae*	wine	Commercial wine, Active dry yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-
						reduced growth	Ethanol	-
						reduced growth	Hydroxyurea	-
						reduced growth	YP-maltose	-
UCD929	*cerevisiae*	wine	Commercial wine, Active dry yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Hydroxyurea	-
						reduced growth	pH 4	-
UCD930	*sp*	wine	wine, commercial	Viticulture and Enology Yeast Collection, UC Davis				
UCD931	*sp*	wine	wine, commercial	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
UCD932	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis				
UCD933	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis				
UCD934	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	NaCl	-
UCD935	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis				
UCD936	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis				
UCD937	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis				
UCD938	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis		improved growth	4-NQO	-
UCD939	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	improved growth	4-NQO	-

UCD940	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	pH 9	-
					improved growth	YP-maltose	-
UCD941	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	improved growth	4-NQO	-
					improved growth	YP-maltose	-
UCD942	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-galactose	-
UCD943	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis			
UCD944	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD945	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Ethanol	-
					reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-
					reduced growth	YP-glycerol	-
UCD946	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	improved growth	YP-galactose	-
UCD947	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Hydroxyurea	-
UCD948	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-

UCD949	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD950	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	NaCl	-
UCD951	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
UCD952	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
UCD953	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					reduced growth	pH 9	-
UCD954	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	improved growth	Ethanol	-
					improved growth	NaCl	-
					improved growth	YP-galactose	-
					improved growth	YP-maltose	-
UCD955	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis			
UCD956	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	YP-maltose	-
UCD957	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-

					reduced growth	YP-maltose	-
UCD958	*cerevisiae*	grapes/must	grapes, vineyard, Italy	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Ethanol	-
					reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-
					reduced growth	YP-glycerol	-
UCD959	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-
UCD960	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	4-NQO	-
					reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-
					reduced growth	pH 9	-
UCD961	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	reduced growth	Ethanol	-
					reduced growth	Fluconazole	-
					reduced growth	Hydroxyurea	-
					reduced growth	pH 9	-

UCD962	*sp.*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	pH 9	-
						reduced growth	YP-glycerol	-
UCD963	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
						reduced growth	Fluconazole	-
UCD964	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
						reduced growth	Fluconazole	-
UCD965	*sp.*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD966	*sp.*	wine	Commercial wine yeast; Danske Spritfabrikker	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	Fluconazole	-
						improved growth	NaCl	-
						improved growth	YP-galactose	-
UCD967	*cerevisiae*	wine	commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD968	*cerevisiae*	wine	Commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-
UCD969	*cerevisiae race bayanus*	wine	commercial dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	pH 4	-
UCD970	*cerevisiae*	wine	Commerical dry wine yeast	Viticulture and Enology Yeast Collection, UC Davis				
UCD971	*cerevisiae*	wine	Commerical wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-
						reduced growth	Fluconazole	-

UCD972	*sp.*	wine	Commercial wine, ADWY	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	4-NQO	-
						reduced growth	Fluconazole	-
						reduced growth	YP-maltose	-
UCD974	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	4-NQO	-
						reduced growth	Fluconazole	-
						improved growth	YP-maltose	-
UCD975	*sp.*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	Ethanol	-
						reduced growth	Hydroxyurea	-
						reduced growth	pH 4	-
						improved growth	YP-maltose	-
UCD976	*sp.*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		improved growth	YP-maltose	-
UCD977	*sp.*	wine	commercial dry wine yeast; Danstar	Viticulture and Enology Yeast Collection, UC Davis		improved growth	YP-maltose	-
UCD978	*sp.*	wine	commercial dry wine yeast; Danstar	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+] [PSI+]	reduced growth	tBOOH	-
						adhesive trait lost	growth	-
UCD979	*cerevisiae*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	improved growth	Ethanol	-
UCD980	*cerevisiae race bayanus*	wine	Commercial wine yeast	Viticulture and Enology Yeast Collection, UC Davis		reduced growth	YP-maltose	-

UCD981	*cerevisiae*	beer	Commercial Ale yeast, from British brewery, National Collection of Yeast Cultures strain 1108	Viticulture and Enology Yeast Collection, UC Davis	[RNQ+]	reduced growth	4-NQO	-
Urquell Pilsner	*cerevisiae*	beer	brewing	Wyeast				-
WE372	*cerevisiae*	wine	wine	Leonid Kruglyak		improved growth	YPD	Yes
						reduced growth	pH 9	Yes
Y-10988	*cerevisiae*	clinical	patient	ARSC				
Y-12649	*cerevisiae*	wine	Umbria must	ARSC				
Y-12657	*cerevisiae*	fruit	olive	ARSC				
Y-12659	*cerevisiae*	clinical	patient	ARSC				
Y-139	*cerevisiae*	grapes/must	grape	ARSC	[MOT3+]			
Y-1537	*cerevisiae*	grapes/must	grapes	ARSC	[MOT3+]	improved growth	fluconazole	-
Y-162	*cerevisiae*	wine	port wine	ARSC	[MOT3+]	reduced growth	tBOOH	-
						reduced growth	YP-galactose	-
Y-2034	*cerevisiae*	wine	wine, California	ARSC		improved growth	YP-maltose	-
Y-2209	*cerevisiae*	fruit	Lepidopterus leaves, California	ARSC	[RNQ+]			
Y-2411	*cerevisiae*	wine	vineyard, Turkey	ARSC				
Y-266	*cerevisiae*	wine	burgundy wine	ARSC				
Y-269	*cerevisiae*	wine	Tokay wine	ARSC	[MOT3+]			
Y-27788	*cerevisiae*	clinical	patient; US. Baltimore	ARSC	[RNQ+]	improved growth	NaCl	-

Y-27806	*cerevisiae*	clinical	patient	ARSC	[RNQ+]	improved growth	NaCl	Yes
Y-35	*cerevisiae*	fruit	Ilex aquifolium	ARSC	[MOT3+]	improved growth	calcofluor white	-
Y-382	*cerevisiae*	grain	grain	ARSC				
Y-492	*cerevisiae*	clinical	patient	ARSC	[RNQ+]			
Y-5511	*cerevisiae*	fruit	coconut	ARSC				
Y-584	*cerevisiae*	wine	Moselle wine	ARSC				
Y-7115	*cerevisiae*	wine	Chablis wine starter	ARSC				
Y-7327	*cerevisiae*	beer	Tibetan beer starter	ARSC				
Y-7568	*cerevisiae*	fruit	papaya	ARSC		reduced growth	YP-maltose	-
Y-865	*cerevisiae*	wine	Bordeaux	ARSC				
Y12	*cerevisiae*	beer	beer	Leonid Kruglyak				
YB-210	*cerevisiae*	fruit	banana	ARSC				
YB-3121	*cerevisiae*	fruit	mimosa	ARSC		reduced growth	Ethanol	-
YB-399	*cerevisiae*	fruit	cherries	ARSC	[RNQ+]	improved growth	39C	Yes
YB-4081	*cerevisiae*	fruit	guava	ARSC				
YB-4082	*cerevisiae*	fruit	papaya	ARSC				
YB-432	*cerevisiae*	fruit	pineapple	ARSC	[RNQ+]			
YB-4449	*cerevisiae*	fruit	grape vine slime flux	ARSC				
YB-908	*cerevisiae*	fruit	wild cherry tree gum	ARSC				
YJM326	*cerevisiae*	clinical	clinical	Leonid Kruglyak				
YJM421	*cerevisiae*	clinical	clinical	Leonid Kruglyak		improved growth	NaCl	-
YJM428	*cerevisiae*	clinical	clinical	Leonid Kruglyak		improved growth	NaCl	Yes

					improved growth	4-NQO	Yes
					reduced growth	YP-maltose	Yes
YJM436	*cerevisiae*	clinical	clinical	Leonid Kruglyak	improved growth	YPD	-
YJM653	*cerevisiae*	clinical	clinical	Leonid Kruglyak	improved growth	NaCl	Yes

Supplementary Table 2. Polymorphisms at the *SUP35* locus of wild [*PSI*$^{+}$] strains, from –338 to +1102. The PrD of Sup35 encompasses AA 1-114 (nt 1-342). *UCD978 is heterozygous for *SUP35*.

	Nucleotide position relative to S288C *SUP35* start									
	-144	**197**	**325**	**484**	**506**	**550**	**555**	**616**	**653**	**672**
S288C	**-**	**C**	**A**	**G**	**T**	**A**	**C**	**C**	**T**	**C**
UCD587										
UCD779				A						
UCD824				A						
UCD978*				A						
UCD939				A		G				
5672	T			A				A		
UCD978*	T	T	G	A	A		G		C	G
AA change	-	-	N→S	G→D	D→E	K→R	P→A	-	-	H→D

Supplementary Table 3. Doubling times of wild [*PSI*$^{+}$] strains conditions used for their brief laboratory culture (Yeast potato dextrose, YM broth, FM broth, wort agar, Wallerstein nutrient agar).

	YM medium	YPD	FM medium	Yeast potato dextrose	WLN medium	Wort medium	MMM
UCD521	150	150	140	230	190	280	260
UCD521 cured	150	150	140	150	150	200	300
UCD587	75	80	110	340	80	130	120
UCD587 cured	75	80	110	310	80	130	120
UCD779	55	60	90	260	65	90	120
UCD779 cured	55	60	90	260	65	75	130
UCD824	65	70	900	1500	70	115	105
UCD824 cured	65	70	200	380	70	85	130
UCD939	60	65	255	475	750	85	115
UCD939 cured	60	65	130	400	75	85	115
UCD978	75	115	690	>1000	90	95	120
UCD978 cured	75	85	590	>1000	90	95	120
UCD2534	70	80	130	640	75	170	125
UCD2534 cured	70	65	80	640	75	170	120
5672	135	150	225	320	200	445	255
5672 cured	85	130	225	315	200	440	>2000