

Fungal Genetics Reports

Volume 21

Article 15

Note on Yale osmotic stocks

L. L. Mays
California State University

R. W. Barratt
California State University

Follow this and additional works at: <https://newprairiepress.org/fgr>



This work is licensed under a [Creative Commons Attribution-Share Alike 4.0 License](https://creativecommons.org/licenses/by-sa/4.0/).

Recommended Citation

Mays, L. L., and R.W. Barratt (1974) "Note on Yale osmotic stocks," *Fungal Genetics Reports*: Vol. 21, Article 15. <https://doi.org/10.4148/1941-4765.1808>

This Linkage, Data, Tester Strains and Notes on Stocks is brought to you for free and open access by New Prairie Press. It has been accepted for inclusion in Fungal Genetics Reports by an authorized administrator of New Prairie Press. For more information, please contact cads@k-state.edu.

Note on Yale osmotic stocks

Abstract

Note on Yale osmotic stocks

Mays, L. L. and R. W. Barratt. Note
on Yale osmotic stocks.

Because of loss of stocks, none of the mutant strains whose origin was reported in Mays 1969 Genetics 63: 781 are now available. The stocks listed as [LLM] in the current stock list came from this collection, but their isolation numbers are now uncertain. ■ ■ - Department of Biology Occidental College, Los Angeles, CA 90041 and Fungal Genetics Stock Center, California State University, Humboldt Foundation, Arcata, CA 95521.

Table 1. Linkage data for os-4, flm-2, os-5 and cut.

Zygote genotype and % recombination	Parentals	Crossovers			Isolation Numbers
		1	2	1,2	
(+) A flm-2 un-5 a + 4	42	-	2		(b39) mt Y256M223
		(Both un-5)			
A + flm-2 a acr-3 + 10 10	5 10	2 0	2 0	0 0	mt KH14 Y256M223
(a) + + flm-2 (A) acr-3 suc + 0 8	43 60	7 2	0 0	0 0	(mt) KH14 66702 Y256M223
		(Both A)			
+ flm-2 + arg-1 + his-2 1.3 0	62 94	2 0	0 0	0 0	B369 Y256M223 Y152M14
+ aur aro-8 flm-2 + + 48 41	17 12	14 10	9 10	9 9	Y256M223 34508 DH8
		(Data of Barbara Turner)			
+ os-4 flm-2 +	(150 black spores: No germination. Other attempts infertile although os-4 is female-fertile.)				Y256M223 NM201o
+ (T) nic-2 flm-2 (N) +	23 60	0 4			Y256M223 (T(IR→V)AR190) 43002
		(If flm-2 were covered in IR duplications, 1/3 of progeny would be flm ⁺ nic ⁺)			
+ (T) nic-2 os-4 (N) +	20 40	2 0			NM201o (T(IR→V)AR190) 43002
		(If os-4 were covered in IR duplications, 1/3 of progeny would be os ⁺ nic ⁺)			
(a) (N) + flm-2 (A) (T) cut + 1.6	-	2		(126 total)	(mt) T(I;IV)cut Y256M223
		(Both a Normal sequence)			
(N) + os-4 (T) cut + 0	-	0		(74 total)	T(I;IV)cut NM201o

Zygote genotype and % recombination	Parentals	Crossovers			Isolation Numbers
		1	2	1,2	
+ os-5 + cyh-1 + al-1 12 4	30 33	4 5	2 1	0 0	NM216 ALS4
+ al-2 arg-6 os-5 + + 0 1.4	79 66	0 0	2 0	0 0	NM216 15300 29997
+ os os-5 + 0		0			NM216 P5341
		(82 Total)			
+ os-5 (+ +) cyh-1 + (al-2) hom 12 0 5	16 19	4 1	0 2	0 0	KH52 P5341 (15300) 51504
+ aur os-5 + 6	21 26	3 0			P5341 34508
+ cut + cys-10 + pyr-1 37 11	22 26	13 18	5 3	0 2	39816 LLM1 H263
+ cut pdx cys-10 + + 28 22	15 15	5 7	6 3	3 0	39816 LLM1 37803
+ pdx + cut + cot-1 13 14	32 22	1 6	4 4	0 2	LLM1 37803 C102t
+ + pyr-2 cut cot-1 + 19 33	17 19	6 5	9 12	1 1	LLM1 C102t 38502
+ cut cut + 0		0			LLM1 T(I;IV)cut
		(190 total)			
+ nic-2 me-6 cut + + 48 14	19 19	13 19	2 2	3 4	LLM1 43002 35809