

Fungal Genetics Reports

Volume 15

Article 4

Supersuppressors in *N. crassa*

T Seale

M. Case

R. W. Barratt

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

Seale, T., M. Case, and R.W. Barratt (1969) "Supersuppressors in *N. crassa*," *Fungal Genetics Reports*: Vol. 15, Article 4. <https://doi.org/10.4148/1941-4765.1907>

This Research Note 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.

Supersuppressors in *N. crassa*

Abstract

Supersuppressors in *N. crassa*

Seale, T., M. Case and R. W. Barratt. Supersuppressors in *Neurospora crassa*. Below is a summary of the ssu loci in *Neurospora* and a set of tester strains useful in the identification of supersuppressors.

Supersuppressor					Suppression of										
locus	allele	linkage group	mutagen	FGSC stock number	locus : allele :	am am ₁₇	am am ₂₄	arom(p) Y306M54	hist-3 Y269M5	tryp-1 15 10	tryp-2 TB31	tryp-2 td140Ab	data from		
					FGSC stock number	* , ¢ , @		**	¢ ¢	¢	@				
						1680	1853	1854	1855	1848	1850	1846	1845	1024	
						<u>1684</u>		<u>1862</u>							
ssu-1	WRN33	VIIR	NA	1687,1688		+	+	+		+	+	+	+	TWS	
ssu-1?	WRN6		NA			+	+						+	TWS	
ssu-17	WRN8		NA			+	+						+	TWS	
ssu-1?	WRN22		NA			+	+	+					+	TWS	
ssu-1?	WRN30		NA			+	+						+	TWS	
ssu-1?	WRN48		NA			+	+						+	TWS	
ssu-17	WRN68		NA			+	+						+	TWS	
ssu-1?	Y319-44	VIIR	UV	1750		+		+					+	MEC	
ssu-2	WRU35	IR	UV	1689		+					+@@	+@@	+	+	TWS
ssu-2?	Y319-37	IR	UV	1749				+					+	MEC	
ssu-3	WRU118	IL	UV	1851		+							-	+	Tws
ssu-4	WRU18	VIIL	UV	1852		+								+	TWS
ssu-5	Y319-45	III or IV	UV	1751				+						+	MEC
ssu-6	Y319-26	VR	UV	1748				+	+					+	MEC

*See al-2; am in multigroup listing for more fertile strains (FGSC #1685; 1686).

¢ See FGSC #1847 for tryp-1(15); am(am₁₇) double.

@ See FGSC #1849 for am(am₁₇); tryp-2(10) double.

¢ ¢ FGSC #1855 is a double mutant hist-3 , nic-2.

@ @ Data from J. H. Chalmers, Jr.

**Y306M54 is a pleiotropic mutant with none of the aggregate enzyme-activities.

--Department of Biological Sciences, University of Illinois, Chicago. Illinois 60680; Biology Department, Yale University, New Haven, Connecticut 06520; Department of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755.