

*Phycomyces blakesleeanus* Strains from Arturo Eslava

From: Alex Idnurm, 19 February 2009

Name	Genotype etc.	Comments
NRRL1555	(-)	The standard wild type strain. Sequenced by JGI. "Del" is an unofficial nickname.
B2	madC452 (-)	Mutation unknown. Original reference Alvarez et al. (1973) Mol Gen Genet 191: 507-511.
C111	madB103 (-)	Point mutation in the madB gene, a wc-2 homolog. Creates an RsaI site change. Messes up intron.
C109	madB101 (-)	Point mutation in the madB gene, a wc-2 homolog. Creates an RsaI site change.
C47	madA35 (-)	LOV domain mutation of a wc-1 homolog.
C21	madA7 (-)	Mutation in 5' G of the final intron of the wc-1 homolog.
A905	madC406 (-)	Mutation unknown.

Strains C109, C111, C21 and C47 are all first reported in Bergman et al. (1973) Mol Gen Genet 123: 1-16.

The nature of the mutations in C21 and C47 are reported in Idnurm et al. (2006) PNAS 103: 4546-4551.

The nature of the mutations in C109 and C111 (ie. they are the same) will be reported sometime in Sanz et al. (2009).

? Original reference for A905.

(-) means sex type minus.

Other details:

On the genome sequencing page, A56 should be removed and replaced with UBC21. This was the isolate that was sequenced using Solexa technology by the JGI.

The reference for strain A56 is Alvarez and Eslava (1983) Genetics 105: 873-879.

I do not know of the original references from NRRL1555 or UBC21.