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-----Original Message-----
From: Katherine Borkovich [mailto:Katherine.Borkovich@ucr.edu]
Sent: Sunday, January 09, 2005 6:41 PM
To: Mc Cluskey, Kevin
Cc: jay.c.dunlap@dartmouth.edu; hildur.v.colot@dartmouth.edu; gyungp@ucr.edu
Subject: Strains for Neurospora knockout transformations

Hi Kevin:

The members of the NIH Program Project knockout group are ready to deposit the Neurospora strains, yeast strains and E.
coli strains with plasmids that we are using for our high-throughput procedure. We generated Neurospora gene replacement mutants lacking homologues of the ku70 and ku80 genes marked with bar (confers resistance to phosphinothricin). These are the same genes being studied by Hirokazu Inoue and he has already deposited mutants marked with the hph gene into the FGSC collection. We have knockouts in both an otherwise wild-type and in the his-3 background.
We will also supply the partners we are using for crosses to generate homokaryotic knockouts after transformation. We have a total of 8 strains that we are working with, including 3 strains that are already available from the FGSC.

The yeast strain is the one we use for recombinational cloning of PCR fragments to generate the actual knockout constructs.
The plasmids include the template for hph and another that is the backbone of the final knockout construct in yeast.

We would like to know how you want these supplied to the FGSC? Should I send slants of the Neurospora strains? Is one copy enough? How about the yeast and E. coli strains?