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Y TECNOLOGÍA DE ALIMENTOS

Valencia, 4 November 2008

A191-3

Dear Kevin,

As commented by phone I herewith enclose the two plasmids referred to in our Cre-loxP paper (Forment et al., Current Genetics (2006) **50:** 217-224): pGEM-loxPyr4 (Fig. 1B in the Current Genetics paper) and pXACre11 (Fig 1A – the construct which is present as single copy in AN040).

The plasmids are spotted onto sterile Whatmann 3MM paper in the region indicated by pencil on the filters. Details of the construction of the plasmids are given in the Current Genetics paper (page 219). Plasmid pGEM-loxPyr4 contains the *N. crassa pyr4* gene controlled by its own promoter flanked by loxP sites (as direct repeats). pXACre11 contains the *cre* recombinase gene under the control of the *A. nidulans xlnA* gene promoter and has the *argB* gene to complement the *argB2* mutation. We have maintained the plasmids in DH5-alpha cells.

I also enclose the following fungal strains (conidial suspensions on Whatmenn 3MM) which originate from the transformation of AN031 (a *pyrG89*, *argB2* strain received from Betty Felenbok): i) the original transformant AN040 in which the work reported in our article was carried out; ii) AN041 which like AN040 has a single copy of the *cre* recombinase gene as a consequence of transformation with pXACre11; and AN045 which has not been as thoroughly characterised as AN040 and AN041 but appears to have a single copy of the *cre* recombinase gene preceded by a slightly different sequence (A –3 C) immediately upstream of the *cre* recombinase ATG codon (AN031 was transformed with plasmid pXACre21 which carries this sequence alteration).

As regards fungal strain AN040, we and Steve Osmani have since observed some aberrant growth morphology on plates. I do not know why this has arisen. This effect has not been noted for AN041 or AN045. All three strains grow and conidiate on plates supplemented with uridine and lacking arginine. We also have used the same plates containing 0.5 M sodium dihydrogen phosphate to enhance conidiation.

Hoping that these materials reach you O.K. and that you are able to recover them successfully.

Best regards,

Andrew P. MacCabe

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