Personal memo from
JOSHUA LEDERBERG

Peter / Marjorie
Model

AUG 31 1990

Chaperonin function

Hasn't this expt. essentially been done in elucidating function of HSP's
i.e. that chaperonin's prevent misfolding at high temperature.

Your variant would push it to other extreme – is some level of some chaperon indispensable at lower temperature.

My suggestion is to start with HSP deletion mutants – most of which are remarkably asymptomatic. To assay the protein functions that perhaps are impaired in such mutants, and test that in vitro. If you use a mutant you may not need antibody; and you could focus on addition of just one HSP/chaperone.

Jim.

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P.S. Will non-neutralizing antibody to a folded protein protect the folding process?
(I'm groping for some recall of "activating" an enzyme with antibody.).

PPS - N.B.
Chris Walsh pointed out Lindahl's case of a natural suicide substrate.

Jos.

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