Kurahashi

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE . BETHESDA 14, MD.

NATIONAL INSTITUTES OF HEALTH

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Dr. & Mrs. Joshua Lederberg
University of Wisconsin
College of Agriculture
Department of Genetics
Madison, Wisconsin

Dear Dr. & Mrs. Lederberg:

I am sorry for the long interval of my correspondence. Did I write to you about the results on enzyme determination of gal$_3$? When I received the two strains, I tested the enzymes by a standard method twice. The results showed that both are leaky in galactokinase and gal-1-p uridyl transferase. However, as usual it is rather difficult to say "leaky" quantitatively and also there is always a question of contamination by positive strain or extract. Another point is that these strains had an interfering enzymatic activity for UDP Gal-4-epimerase determination and I could not determine the activity of this enzyme by our standard technique. These points made me hesitant to make any final decision on the enzyme distribution of these two strains. I was planning to repeating the test but I have been involved in other projects. I am hoping I will be able to get back to the galactose field some day.

I am forwarding to you two manuscripts on the purification of gal-1-p uridyl transferase and galactose inhibition of the growth of gal-1-p uridyl transferase-less mutant.

Sincerely yours,

Kiyoshi

KK/mkb

Kiyoshi