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CHICAGO 49 • ILLINOIS

July 11, 1963

Dr. Esther M. Lederberg
Genetics Department
School of Medicine
Stanford University
Palo Alto, California

Dear Dr. Lederberg:

Thanks once again for the galactose negative strains that you have sent.

We have been attempting to localize the UDPG-pyrophosphorylase locus of strain W3142. However, I notice from the paper by Morse that W3142 is lysogenic for lambda phage. We have been making attempts to transduce mucoid strains with P1 grown on the galactose negatives that would be involved in mucoid synthesis with a view to looking for the formation of non-mucoid transductants. Some early experiments with W3142 indicated linkage to the leucine marker. We obtained a non-mucoid leu transductant that was lysogenic and contained no galactose or glucose in the cell walls.

However, several subsequent experiments yielded no non-mucoid leucine positive transductants. Therefore, the location of UDPG-pyrophosphorylase marker of strain W3142 is still up in the air. I would appreciate your sending a UDPG-pyrophosphorylase negative strain (group E) that does not contain lambda.

Sincerely yours,



Alvin Markovitz

AM:pg