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The Lister Institute of Preventive Medicine

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Dear John and Esther,

I enclose two pictures of Dr. Ryan.
They were taken at his apartment room.

I found the culture of SW 577 (described as 90% curly) changes phase between curly and normal. That is, the culture is curly in phase 1 (i) and normal in phase 2 (1.2). The strain seems to be a mutant of H₁-Ab₁ region. The detailed genetic analysis is in progress. As Dr. Kerridge in this lab. has found, the replacement of p-phenylalanine by p-fluoro phenylalanine at the regeneration of flagella in phenylalanine requiring mutants of T672 & SW 1061 causes the production of curly flagella. If the similar mechanism is involved in the curl in SW 577, the strain might have a modified ability to incorporate a specific amino acid into H₁-protein.

Best regards to the people in the lab.

Sincerely yours,
Tatum Lind