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Dr. A. Siegel,  
Department of Botany,  
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27th April, 1955.

Dear Dr. Siegel,

I have at last got some good photographs of an orientated gel prepared from your U1 strain of TMV. It closely resembles the photographs of the strain I had earlier from Pirie. This is a satisfactory result, as it means that the difference observed for U2 was certainly due to the difference in strain and not to the difference in method of preparation. The U1 is, however, much more difficult to orientate than Pirie's preparation, and I have not yet succeeded in getting a good dry specimen of it. A much higher concentration is required, in U1, to produce a spontaneously birefringent solution. Would you expect this difference to be due to the presence of the brown substance?

I intend to write a short note on the differences in the X-ray diagrams obtained from the 3 strains of TMV and from Knight's cucumber virus, CV4. I will send you a copy when it is written.

I should be extremely grateful if you could spare a fresh supply of U2 for me some time. In some ways it shows a greater regularity of structure than the other strains, and I should like to do some further work on it.

Yours sincerely,

Rosalind Franklin.