

→ FGSC: re: mei-3 CF3 allele of Alice Schroeder.

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August 20, 1986

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Dear David and Raju,

Here are the stocks I promised. The hist^S (ALS63) was isolated from a cross of your cyh-2 al-3 hist-6a 7126-20 by 74-OR231A, then backcrossed to ORSa, 74-OR23-1A and ORSa. My summary says it is slow growing, histidine sensitive and homozygous fertile. It may be slightly sensitive to UV and MMS, but this is hard to tell in spot tests of slow growers. It is not linked to Alcoy, fluffy, al-3 hist-6 cyh-2 or met-7 nic-3. Crosses containing arg-1, leu-3, tryp-2, or pyr-6 were either sterile or very confusing because the hist^S (ALS63) grows very poorly on these substances especially when sorbose is present. I now realize this suggests some sort of uptake-cross pathway interactions.

CF-3 The mei-3 allele was isolated in a cr sn background as bleomycin sensitive. It is a 3rd generation backcross to ORSa. It is linked to mating type -12 units right of arg-1- and is barren in crosses to Dot's mei-3. At 30° it is sensitive to MMS and gamma rays with survival curves very similar to that of the original allele. It is also sensitive to histidine and hydroxyurea but not sensitive to UV on spot tests done at room temperature and incubated at 30°. CF3

By the way, all my histidine sensitive tests are done as spot tests so my results could be different than Dot's.

Thanks again for having me. I certainly enjoyed my visit with everyone. That hour with Marc will definitely help my proposal. Lisa seems to have had a good time at Camp except for getting heat rash. Lianne had a good time with her Grandparents and Paul is enjoying Europe. My father turns out not to be as ill as we thought. Shortly after Lianne left he got a toothache. By the time I talked to them Thursday night the tooth was out, the antibiotics were helping and he felt better than he had in two months. I'll be hoping that Dot finds her operation similarly beneficial.

Best Wishes,

Alice L. Schroeder

ALS:ss
Enclosure

Memo -

7/87, iss (ALS63) has been abandoned - not reliably scorable.