

JAN - 7 1987

luck in gene order?

Dear Norton -

As usual you have an astute insight, and your point is well taken. I am pleased and impressed that the first (1947) linear map fits on today's master charts. But of course you are right that the canonical point of entry is arbitrarily related to a given Hfr. I have some possibly defective recall (my? Francois'?) experiments that 58-161 behaves overall rather like HfrH... but it would be good to find some published data on time-of-entry experiments with this or other F^+ . Do you know of any?

I also recall some (unsettled?) controversy with Francois whether the feasibility of F^+ can be fully accounted for by (hard stable) integrations of the F factor \rightarrow Hfr. I doubted that, but it degenerates into the level of stability demanded.

I did think all the progeny of $F^+ \times F^-$ were F^+ .

There was certainly luck in the map, in the fairly close linkage of thr and lee; and as these were selected for, most of the recombinants in the 1940 crosses doubtless were examples where thr^+ and lee^+ had entered early.

I never said it wasn't complicated; and some day I mean to go back to these fundamentals -- and to postzygotic losses of segments that have already entered the F^- .

Thank you for making me think more carefully about it.

Yours,
Josh.

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