THE ROCKEFELLER INSTITUTE
FOR MEDICAL RESEARCH
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NEW YORK 21, N. Y.

5/13/53

Dear Josh,

LT-1 pedigrees:

#84 → SW 202, SW 203

#306 → 408, 410, 253 to 257

410 → 411-413

253 → 340, 341

254 → 342, 343

LT-1 #306 looks O.K. and am sending it along. LT-1 #84 has dried out and is lost except for the Gophid tubes you have.

S. typhimurium v. copenhagen has #11 on it not #12 but am sending it along for you.

Again with SW-950 H- the fact of becoming Geogenic reduces phage: FA ratio a factor of 10-20 with a small further reduction by using Gtic phage (quantitatively obscure

because of non-linearity of assay). Have yet to see a case where lysogenization did not reduce transduction efficiency. -- Repeated premature lysis experiments c̄ 950H- as marker scored. Results agree completely with those previously obtained ~~despite~~ (late FA appearance) despite peculiarities of the assay. By taking final lysate (70 minutes) and diluting so as to plate at multiplicities comparable to those of premature lysates can get a direct comparison i.e. first 2X10⁸ phage appearing gives no transductions; 2X10⁸ phage from natural lysate gives 50 transductions.

Morton