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28/10/92

Kathy Matthews
Curator
Drosophila Stock Center
Department of Biology
Indiana University
Bloomington, IN 47405
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Dear Kathy,

enclosed please find 7 Drosophila mutants from my stock collection for maintenance in the Bloomington stock center. The stocks are chosen in accordance with the requests in your fax of September 29, 1992. A description of the mutants is provided on the accompanying list. The schematic map summarizes my genetic analyses of the chromosomal region. The reference for the deficiencies is my own (yet) unpublished work. The manuscript will be submitted for publication in MGG very soon.

Best regards,

Adelheid Degelmann

Dr. Adelheid Degelmann

Df(1)AC7,w/FM7
1E3,4 - 2A
#1144 ? - I(1)HA6
I(1)2Ac (= A70)

III. fs(1)Nasrat alleles

Reference: Degelmann, Hardy and Mahowald, Genetics 126, 427-434 (1990)

#235 **y fs(1)Nas^{211} cho f/FM3 (= fs(1)N^{12})**

#314 **fs(1)Nas^{A1038} v^{24}/FM3 (= fs(1)N^{6})**
(this allele complements fs(1)Nas^{211} to full fertility, but non-complements all other fs(1)Nas alleles)

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Description of Drosophila stocks sent to IDSC
(Tip of X chromosome)

I Terminal deficiencies

Three tDf's balanced in females. Originally kept in males as C(1)DX/tDf/DpY67g24.2, but there showed considerable instability in length over time. Long-term length stability in balanced females has not been tested. Heterozygous tDf females are lethal, this haploinsufficient lethality is covered by Dp(1;2)E1. The tDf's themselves are not covered by Dp(1;2)E1, i.e. tDf/Y; Dp(1;2)E1/+ males are lethal.

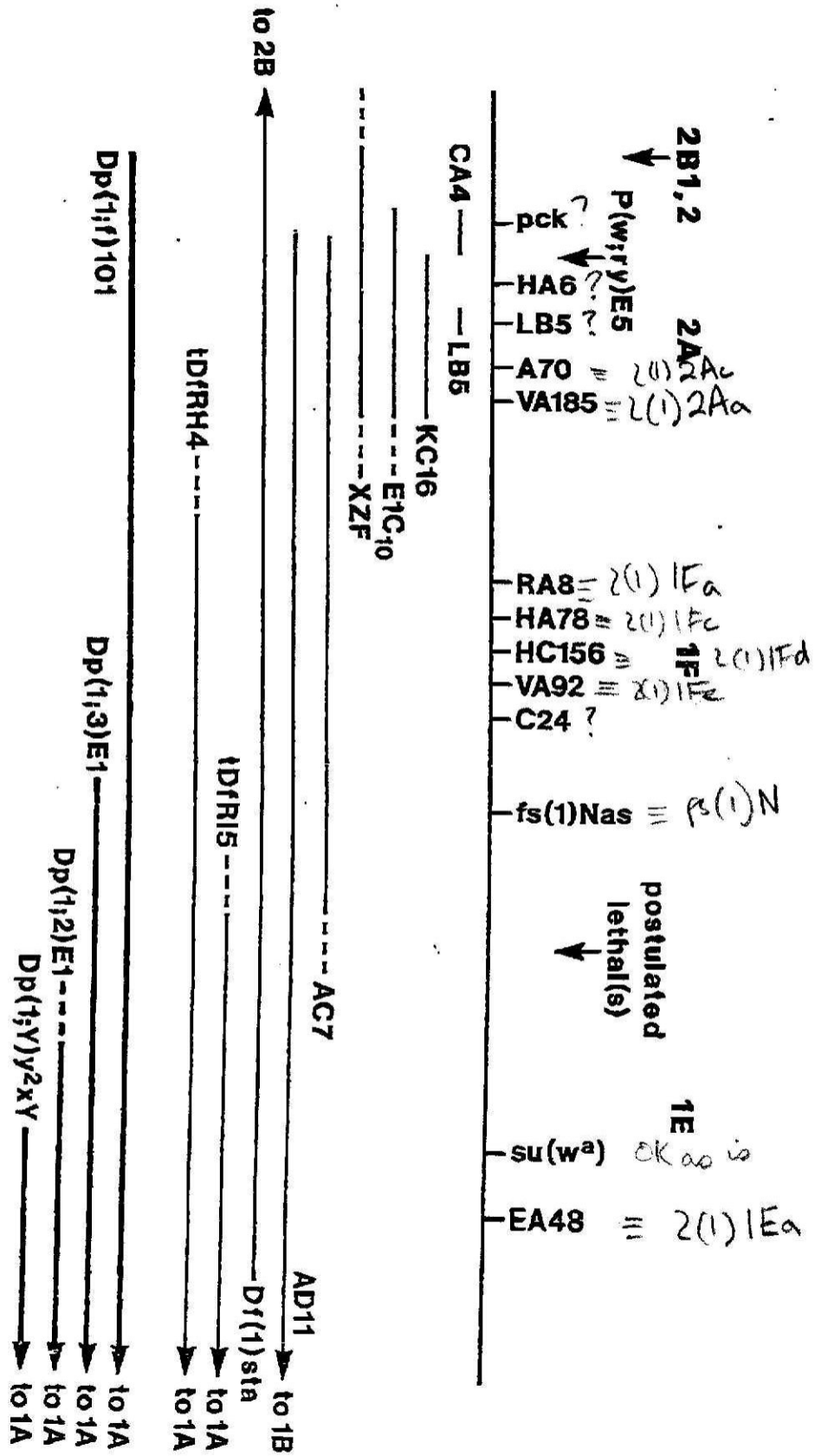
tRI5, ras v/FM7; Dp(1;2)E1,y⁺/+
1A1 - 1E/F
y - lethal in 1E (see map)

tRH4/FM7; Dp(1;2)E1,y⁺/+
1A1 - 1F/2A
y - l(1)1Fa (= RA8; see map)

tBA1,w/FM7; Dp(1;2)E1,y⁺/+
1A1 - 2A
y - ? covered by Dp(1;f)101

II. Interstitial deficiencies

Df(1)AD11, w/FM7
1B - 2A
? - l(1)HA6 lethal identified by myself
l(1)2Ac (= A70) previously known lethal
see map


2B1,2
P(w;ry)E5
pck ?
HA6 ?
LB5 ?
2A
A70 ≡ 2(1)2Ac
VA185 ≡ 2(1)2Aa
RA8 ≡ 2(1)1Fa
HA78 ≡ 2(1)1Fc
HC156 ≡ 2(1)1Fd
1F
VA92 ≡ 2(1)1Fe
C24 ?
fs(1)Nas ≡ fs(1)N
postulated lethal(s)
1E
su(w^a) OK as is
EA48 ≡ 2(1)1Ea
CA4
LB5
KC16
E1C10
XZF
AC7
AD11
Df(1)sta
tDfRI5
tDfRH4
Dp(1;f)101
Dp(1;3)E1
Dp(1;2)E1
Dp(1;Y)y2xY
to 2B
to 1B
to 1A
to 1A
to 1A
to 1A
to 1A
to 1A