

SALMINELLA INDEX

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S. abortus equi + bovis 1042, 52, 62, 31

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5984
1 progeny etc 986-9 994 1009-12-17-18 1006 1013 1011

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Organized summary.

JAN 24 1955
JAN 25 1955

Redignis :

-x SW578

1151

FA12-x SW666.

1131-2-3-4-6-~~7~~8-41 ; 1212

FA60-x SW666

1142-3-4-7-8-9-50

-x SW967

1137

Planting's

1140-B

Chemotaxis 1139

TRAILS.

CROSSOVERS?

1033

1031 990

1149

Segregation

9033

INCIDENCE

1073

1075

990 (flies)

987

1212 981

(in H1x)

1044

Sexual effect

975

1003

O-CROSSES

1149? 988

Mortality methods

1048 980

Xp' age

1047 972 942

H₁^{1,2} and H₁H₁ dupl. starts
and macrobenthic parts.

JAN 24 1955

1002 1074 1053
991-2 1036-38-46 1051. 1049
976

Misc Q -X

1071 978 1063-8 1024
1016. 983

Sam. autigenis

1869 1034 1062 980

H_{1,2} X

989 1044 (tails)

TM2 Macrobesic

1026e 1067 1053

SW666 X

1001 1067 1030 (autoant.) 985 984
988 992-3 971 974 (993) 999

Galv

973 977 1032

SW967 X

1027

Index notes on salmonella
9/52 - 1/55.

JAN 24 1955

Pedynis: 1212 (① → swarm, ② → 20, 11, 9, 9, 8 12 → > 1). 18 isolated; TM2 x 666
n.s.

Details on T/S 1212-14 (FA37 → xsw666 (Jan 55).

Apr 54.

1151 Pedynis → xsw578 (paralytic); ca = T/S.

1150 FA60 → xsw666 (40) cool. ① → swarm, ② 12, 17, 4, 36, 50, 20, 12, 24, 26, 27, 12 (28) > 1.

1149 60B → xsw666 (37) [+ pool (11)] → swarm. ③ → swarm, ④ → "large amicrobes" remainder > 1.
DCC also looked for crossovers.

1148 " " (10) 2 inv., 4 > 1, (20), (30).

1147. " " (2) ① > 1; ③.
(35): 3 inv.; 4 swarms; 27 > 1; (48)'

1149. Not also noted that sw967 x sw666 gave swarms (bal+, gen) ambiguity of 60c! Presumably these were all saved. But all isolates seemed idiotypic. Questions of crossing over, esp. in swarm sites, should be reviewed.

1146 9 → xsw967. "This gives largest trails". Only (7). ; 6 ^{0/10³} ; 1 ^{2/10³...}

1144. 60B → xsw666. (10): 1x; (2); (1); (16); (46); sw; (14).

JAN 24 1955

1143 60-xsw666 - Same isolations of motiles to plates
16 isolates, no trails.

other isolates pedynid: see proto.

1142 60-x sw666 Same isolations to plates. No clear trails.
also (9): 0, 0, 1, 1, 2, 3, 10, >50 (++) → but not swarms!

1141 FA12-x 666 (11): (14); others >71.

Note FA92 cyst., no Plat seen microscopically.

1140 (1) platings: 13 (1) plated → 2 swarms, 7 cols. of motility

1139 ~~don't~~ taxia

1138 12-x 666 mostly d. do not count, though some pedynis useful.

1137 9-x 967. (12): all >71.

1136 Plant 12-x666: 1 swarm; 4 colonies / 5.

1334 12-x666 detailed pedynis
1133 " " mil. 1 swarm (not cross over)
1131-2 " "

1073, 1075 *S. gallinarum* + *pullorum* for H, identity 3
 =gen 10/53.
 -x SW967 "few long tails, 1 swarm"; P1-x "single tails".
 -x 957 "measured tails, few swarms".

N97: H₁, H₁, H₂ tests (measured) 1074. ~~see also 1000~~

1071 "PK" -x . Note PAB4-x SW666 : 5-6 swarms }
 Must be -x 0901 ca 100 tails. }
 1069 Vit S typhi -x and -x
 Misc. phages 978

8/53. *S. bryendorfi*; and misc nonsp. ϕ from Cherry. 1068, 1063
 para β phages: BAOR 1063
 TM2 monophasic SW1067. ~~SW1067~~ 1067 of 1026e (SW986)
 Note: SW1067-x SW666 gave only H₁^bs.
 TM2-x SW1061 gave no non-1,2.

UV, heat / phase variation: measured 1065

S. abortus-qui (and bovis) 1042
 1062, 1052

Somatic selection (measured) 1034 1062

Resumis at 1053:

SW1047 (N97...) H₁, H₂ 1046 1038 1036 992 991

Misc. on S. wien etc. manual. (of Alch; PRE)

x SW1061 → still morphologic ex: —

but SW1055 → x SW1061 (same?) did give c:1,2

S

1049; misc para Bstranis.

1045 S. para B.

1051 : H₁-H₂- Fla linkage

Used duplication studies → No other result.

1048 Motility agar changes - manual.

1047 X phage

1044 H₁, H₂ transductions (TM. Miami Albany) x ; note of failure!

1041 - Phase variation = resume 1035 979

1037 S. napoli

1033 Fla segregation in trailers listed. Amended on T:S ratio.
Resum efforts (975)

SW967 Fla linkage. Ratios of gm: i etc.

1032 Galv? Look for Hft (misguided). 977 973B1

1031 Resumé

1031 - Resume

Fla₁-H₁... linkage tests 1008. ; crossous?
 Monophasia (976)
 abortus equi, javanicus, pullorum
 Z33, Z6

1030 "autoantibody" - inhibition of Fla⁺H₁^b by Fla⁻H₁^b?

1027 9-x967 "extensive tests" (This is probably the one saved)

"numerous T, no S" "numerous T, 1S".
 heretofore list of Fla types. typing of SW970, 972...

Statement that 9-x⁹⁶⁷: numerous T, rare swarms } linkage?
 10-x967: " and " }

[has there ever been adequate test for Fla₁⁻ in 9-x967?]

1024 S. ~~cholerae~~ ~~parvius~~, formalin stable latex antigen; 1020
 Misc & tests & stability tests

1019 1/53. Cetrumidial for inactivating phage n.g.

1018 "cooperation of phage"; lysogenization; protection-transduction 1017, 1012 994 988

1016 Felix O phage. n.g.

1014 PLT22V. 1006

1013 host adaptation

1011 adsorption

1010⁹⁹⁹ uv'd PLT22; T142 Gal-variants;

1008 S. para A

1007 XRay PLT22

1003 Serum

1002 Inoffates 999

1001 b/i ratios: Fla⁻ linkage? Basis? 993, 992 986

999B uv'd phage → Fla⁻. Gal⁺/Fla⁺/infectivity.

990 Fla⁺ + Trails.

989. sendai x—
eastbourne x—

988 "O form crosses" New completed. Cf. DC6- ca 3/53.

987 SW 905-908 FA 21-x 908 "Unusually long & profuse".
- FA 9: good yield of T+S. (better paralytic?)

985 SW 666 (rough?) - b agglutinable?

984 "lysozyme?" FA 26-x 666 28T/0S!
64T/2S!

983 Boyd phases & h.r. tests

982 Rectify SW 534 series

981 T/S/Cal⁺

980 Methods for O forms

974 SW 666 x— back crosses ; 971

972 X phage

992 5/6 \rightarrow typewritten H901 \rightarrow 3/3 SW930 1,2: -
 \rightarrow X abmy 7/7 1,2: enx

1000 Edwards N25 (SW942?)
and in FA15 \rightarrow SW942b \rightarrow 1,2 - gam!

1023M M152 in Mexico; ; 5/6 \rightarrow main \rightarrow 1,2,1,5
SW979

1025 z33

1031 Egypt on N97, N25 same X 6:1,2)
SW942 /b \rightarrow 7/7 z33: - only
do 959-960-961

1036 N97 = SW1007, /b \rightarrow 1036B1 \rightarrow 1,2!
messy 1,2 slowly

reversible!
repetable matches

1036E i \rightarrow SW1007 \rightarrow i:b and cycled

1038 Homology tests N97: \rightarrow main \rightarrow b:1,5 } H_2^b
 \rightarrow T142 \rightarrow b:1,2 } vel $H_2^b H_1^{1,2}$

E T142 \rightarrow SW1007 \rightarrow 3/3 i:b

\rightarrow 942 \rightarrow i: -

10385 SW1026x — sodai $\rightarrow a:b:a$ SW1031
:b

check 1026i \rightarrow main $\rightarrow \frac{1}{2} i:1,5$ *mir. sluggish*
nob's reform

see summary of 1044

1046 Fresh N97 = SW1043 \xrightarrow{b} 1,2 1046A1

and check single relations $6/6 \xrightarrow{b}$ 1,2

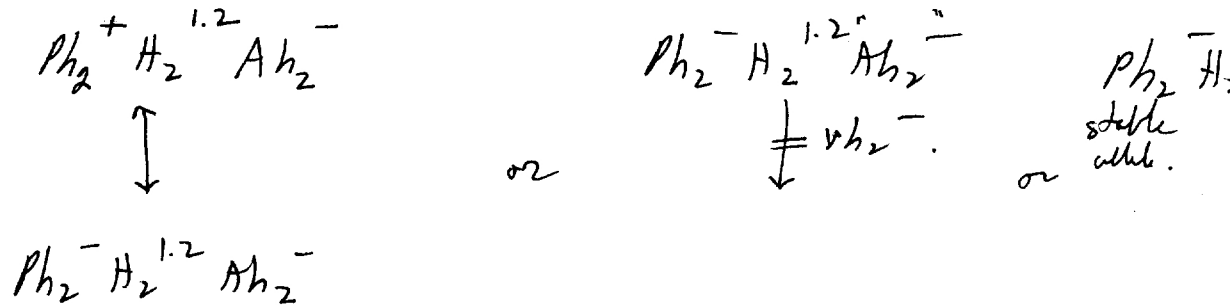
\downarrow
1046A1 = b \rightarrow SW1043(1,2)
(SW1043b)

1,2's poorly visible.

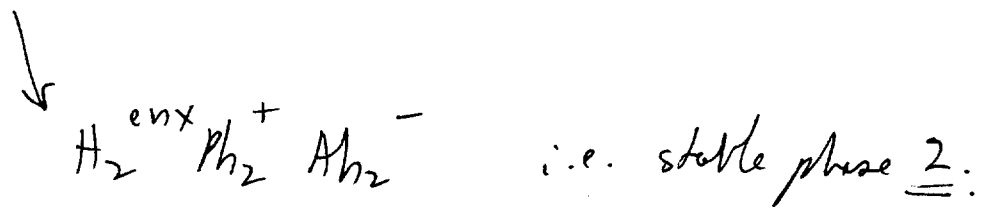
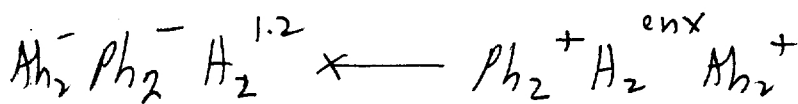
c) TM2 \xrightarrow{sw} 1043 $\frac{1}{2} i:1,2:(i)$

H₂ protein as repressor of H₂ synthesis.

Lenio found a state which was permanently in the phase -1 state.

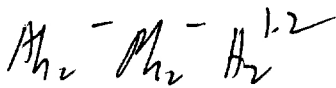
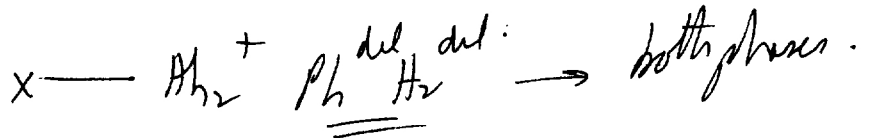
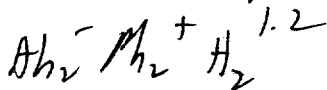


? Can $\text{Ph}_2^+ \text{Ah}_2^-$ be obtained by recombination.



how relat ~~ion~~ pressure of $\text{H}_2^{\text{enx}} \text{Ph}_2^+ \text{Ah}_2^+$ variable phase 2.

? Is phase variation in?



A locus duplication in Salmonella

variants of phases.

(2³³)

① Phases of Salmonella

② CDC - ... as (H₁)
982 (for SW 534)

989

SW 546

b

71

T412 x 546 → (11) i: -

$\frac{16}{27}$ i: -

b: - → 3 b: -

b: end → b: -

↘ enxi, 2 x i: 1, 2
↘ i: end

T412 x 937 #2 i: -

24 170

CDC 137 behaves as H₁^{1,2} H₂⁰

contra other phase B's +
many have 1,2's:

+ caused by N25 → CDC 137 by
mutation of H₁^b → H₁^{1,2}