SW	Source	Agent	Mutation	Details	Preservation
439.	SW-414	Mixed with SW-435	Lysogenic		~~L~~
440.	"	"	"		~~L~~
441.	"	"	"		L
442.	"	"	"		L
443.	SW-435	U.V.plates	Maltose -		L
444.	"	"	"		~~L~~
445.	"	"	"		
446.	SW-240	U.V. Pen	Cystine		L
447.	"	"	"		
448.	"	"	"		
449.	"	"	Methionine		L
450.	"	"	"		
451.	"	"	"		
452.	"	"	Arginine		L
453	"	"	"		
454.	"	"	"		
455.	"	"	Isoleucine-valine		L
456.	"	"	Leucine		L
457.	"	"	"		
458.	"	"	Histidine		L
459.	"	"	Threonine		~~L~~
460.	"	"	Proline		L
461.	"	"	"		
462.	"	"	Histidine		L
463.	"	"	"		
464.	"	"	"		
465.	"	"	YNA		~~L~~
466.	"	"	Purines		L
467.	"	"	HC # YNA		L
468.	"	"	Cystine # Isoleucine-valine		L
469.	LT-11	"	Aspartic		L
470.	SW-206	"	Purine		L
471.	SW-204	"	Yeast extract		
472.	"	"	?		L
473.	SW-250	"	Am-4		
474.	SW-250	"	Proline		L
475.	SW-435	"	Mannitol -		
476	"	"	"	(maltose-)	L
477.	"	"	"		L
478.	"	"	"		
479.	SW-476	Reversion	Maltose # mannitol-		L
480.	"	"	"		
481.	SW-184	U.V. plates	Galactose -		L
482	"	"	"		L
483.	"	"	"		L
484.	"	"	"		L
485.	LT-7	"	"		L
486.	"	"	"		L
492.	SW-188	"	"		L
493.	"	"	"		L
494.	"	"	"		L
495.	"	"	"		L

SW	Source	Agent	Mutation	Details	Preservation
503.	SW-191	U.V. plates	Galactose -		L
504.	"	"	"		L
505.	"	"	"		L
506.	"	"	"		L
513.	LT-7	SM	S^r		L
514.	"	"	"		L
515.	SW-503	"	"		
516.	D.T.B	Mouse colony	S.typhimurium		
517.	"	"	"		
518.	SY-79	LT-2FA	X i		
519.	"	"	i		
520.	"	LT-7FA	"		
521.	"	"	"		
522	"	"	"		
523.	"	"	"		
524.	"	"	"		
525.	"	"	"		
526.	"	"	"		
527.	"	"	"		
528.	"	"	"		
529.	"	"	"		
530.	"	SW-8FA	i		
531	"	"	"		
532.	"	LT-2FA	Rhamnose # X		L
533.	S. para B #3 filed with serotypes = SW703				L
534.	~~SW-533~~	Boulg phage C	non-motile	"para B" not detailed in notes probably SW546	
535.	S stanley # 15	~~as SW-533~~ see SW715			
536.	SW-535	Boulg phage C	non-motile		
537.	S. typhi H901	Boulgakoff			
538.	SW-537	Boulg phage C	non-motile		
539.	S. typhi #383 Boulg rough				
540.	S. tyhphi	Boulg	rough		
541.	S. typhimurium v. copenhagen	"O"	F.K. 223	-O-1810	
542.	S. typhi	O901	F.K. 58		
543.	S. para B "O"	F.K. 248	019		
544.	S. typhimurium	"O"	F.K. 13	FK 3173	
545.	"		4937/50	Edwards	
546.	S. para B phase II N-25		"	157 see 942	
547.	S. typhimurium phase II	191	"		
548.	Group B	2294/49	"O"	" (typhimur)	
549.	"	117/51	"	" (typhimur)	
550.	Group C 1	3012/49	"	"	
551.	Group C 2	4608/50	"	"	
552.	Group D	1524/51	"	" rough	
553	"	1520/51	"	" dublin	
554.	Group E 1	3226/50	"	"	
555.	S. typhi	T2 Almon and Stovall		"	
556.	S. typhi O901	Felix		"	
557.	S. typhi 2V			"	
558	S. gallinarum	30953		"	

SW	Ref/	Source			
551	Edwards	4608-50	C-2 non-motile		
552	"	1524-51	D nm	rough	
553	"	1520-51	D nm		S. dublin
554	"	3226-50	E-1 nm		
555	"	S. typhi T2 Almon&Stovall		XII_2-	
556	"	S. typhi)0-901			
557	"	S. typhi 2 (Felix Vi:E1)			
558	"	S. gallinarum 30953 (stable smooth)			
559					
560					
561					
562					
563		LT-2 —x SW553			gp:-
564					
565		SY-79(x- 714?)			j?
566		"			j?
567		SW548 x- LT-2			i:1,2
568		SW549 x- LT-2			i:1,2
569		SW537 x- LT-2			IX XII i:-
570		"			"
571					
572					
573	Leifson	R20 1/2	S. typhimurium nm		(O)
574	"	R20 1/4	"		
575	"	R7 3/5	"	~~paralyzed~~	i not paral!
576	"	R7 2/4	"	normal	
577	"	FM 57.66	"		90% curly
578	"	FM 61.63	"	paralyzed	i
579	"	FM 60.62	"	normal	
580	FM	FM 59.64	"	paralyzed	
581					
582					
583					
584	541	SW541	EMB Gal; UV		Gal-
585					
586	Leifson	R12	S, typhimurium paralyzed		
587	"	R14 1/2	"7	"	
588	BADS 32	SW534	Selection on mot. agar		—:1,2
589					
590					
591					
592					
593					
594					
595	Desranleau	S. typhi Vi type		A	
596	"	"		A∅	
597	"			C	
598	"			C2	
599	"			E4	
600	"		0-901		

601
602
603
604
605
606
607
608
609 543 sc mot. ag. selection b:-
610
611
612
613
614
615
616
617
618 SW543sc x— LT2 b:-
619 SW592 Chi phage O mutant (from slow rev.)
620 SW593 Chi phage O mutant
621 SW594 " "
622 SW588 " "
623 SW543sc x— LT2 i:-
624
625 " i:-
626 " i:-
627
628 " i:-
629 Seligmann 1908 "x-phase" [Edwards says sluggish i:1,2] S. typhimurium
630 " S, newington 2922 Lac+
631
632
633 SW543sc x- SW588 1,2:-
—650

651
652
653 SW541 x- 593[544 2-step rev.]1,2 slow 1,2
654 SW653 sel. mot. agar fast np
655 SW580 " slow
656 SW586 " slow
657 WK Thomson S. typhi Vi: E1 (tryptophane)
658 " " 2-1-4 cystine
659 " " S59 v "
660 " " 47-87B "
661 " " 38-29B "
662 970A2 SW543sc x-x 553 IV V XII gp:-
663
664 970A8 " x-x S. sandiego SW 718 eh:-
665 SW541 EMB Xyl; UV Xyl-
666 SW543sc EMB Gal; UV Gal-
667 971C2 S. typhi H901 x-- SW553 IX XII gp:-
668 971C8 " x-- SW718 eh:-
669 " " "
670 971C7 " x-- S. abbny SW803 " b:-
671 974-1 SW666x-x LT7 (PLT7) IV V XII i:-
672 971B7 SW435 x- abony ~~(PLT7)~~ SW803 IV V XII b:1,2
673 966F2 SW543 spont. on mot ag. b:-
674 971B2 SW435 x- 553 see also 36E IV V XII gp:[gp]1,2
675 971D3 SW666[x- S. altendorf SW825] in b serum z33:-
676 SW673 / b serum z33:-
677 971D7B SW666 x- abony, SW803 b:- (wk)
678 971D7B1 SW677 / b serum z33:-
679 971D6 SW666 x- S. enteritidis SW 764 IV V XII gm:-
680 971D22 SW666 x- LT2 i:-
681 971D22 " " b:-
682 974D3 SW673x- 623 i:-
683 971D5 SW666 x- S. heidelberg SW 716 r:-
684 973B1A SW666 x- LT2 Gal+/- unstable transduction
685 974C2 SW618 x- SW623 i:-
686 974C3 SW618 x- LT2 i:- 22^+
687 971C5 H901 x- S. heidelberg IX XII r:-
688 SW912 (Boyd 1404) rough variant
689 A. J. Weil Shigella 66-1-410 II (inducer)
690 " " 79-30-2 V
691 " " 66-1-1268 II (inducer)
692 " " 63-143-D19 XII
693 " " 63-143-V I (inducer)
694 Kauffmann & Schmid 339 S. paratyphi A, durazzo, XII_2 (no I)
695 974C6 SW609 x- 623 i:-
696 974D5b SW623 x-x SW666 b:-
697 i " " i:-
698 979B LT2 x- abony enx enx:i 22^+
699 979A " x- abony b b:1,2 22+
700 979 b SW666 x- SW588 b:- ~~(wk)~~

701-900. NOTE: These numbers correspond to Edwards Ky. Bull. 54, Nos. 1- (164)-200, respectively.

704

SW	Ref				
901		SW666 x-- SW588		IV V XII 1,2:--	
902	971c3	S. typhi H901 x-- S. altendorf SW825		IX XII c:--	
903	974DD5b	SW666 x-- SW623		i:--	22^s
904	W. Hirsch 2859		S. paratyphi B		
905	"	1415(1)	paralysed	b:1,2	
906	"	1415(2)	"	b: 1,2	
907	"	2859-0	non-motile		
908		SW666 rough 22^r	stable susp from aged broth	"VR"	
910		" " "	autoaggl.	R	
911		" " "	"	VR	
912	Boyd	TM 1404	TM indicator		
913	"	TM 1411	TM indicator		
914	"	068	lysogenic...		
915	"	29929			
916	"	S22			
917	"	026			
918	"	1404/B2			
919	"	073			
920	"	020			
921	"	080			
922	"	1404/A1			
923	"	041	(indicator for SW912)		
924	979G1	S. abony x-- TM2		IV V XII i:enx	22^r
925	989A1	S. sendai x-- S. abony		IX XII a:enx	22^s
926	991H3	SW546 x-- S. abony(2)		IV V XII 1,2:enx	22^s
927	986 E1	TM2 + P22 lysogenic			
928	E2	SW666 + P22B "			
929	986 D2		"Lp^v"		
930	989 E1	S. typhi H901 x-- SW588		IX XII 1,2:---	
931	973C4(1)	SW618 x-- TM2		i:-- (2-step)	22^s
932	979K2	S. abony x-- TM2		IV V XII b:1,2	22^s
933	991L1	SW926 x-- TM2 (1)		i:enx	22^s
934	991F1	TM2 (1) --x SW546		IV V XII i:--	22^s
935	974c3b1	TM2 --x SW618		i:--	22^s
936	4	" "		i:--	22^s
937	991H1	S. abony --x SW546		b:--	
938	992A7	SW546 --x abony		1,2:enx	22^s
939	991G1	SW618 --x SW546		b:--	22^r
940	971D39	S. sendai (SW771) --x SW666		a:--	22^s
941	979J-	TM2 --x abony		i:enx	22^s
942	Edwards	N25	S. paratyphi B, java, parent of SW857 (546)		
943	979L1	TM2 --x SW932 (abony x--TM2)		i:12	22^+
944	999-16	SW 609 + P22B (FA21)	Gal+ H^b Fla^+ lysogenic		I IV V XII b:--
945	1000-A4	SW588 --x SW942		1,2:--	
946	Dienes	S. typhimurium "3"			
947	"	Proteus 52			
948	Stocker	SL13 = Sal 25/52	S. paratyphi A O form		I ~~XII~~ 2
949	"	SL14 26/52	" "		
950	-"-	SW414	UV, EMB	TM2 Gal- M- H- [v.h.t.]	

SW	Ref.	Source	Agency	Remarks.
951	1010	SW414	UV EMB	Mal- (slow)
952	1010	SW950	"	Gal- Mal- (sl)
953				
954	101601	TM2	Felix O-phage	Ol-immune
955		SW950	P22	lysogenic
956		SW948	Felix O phage	Ol-immune
957	Felix	S. typhi 0-901 #1		
958	1020 D1	SW961	selected in ~~kunzendorf~~ paraA 15 serum	0:--
959	1024 Edwards	"Hines VAH"	IV V XII ( ):1,2	
960	1024	Edwards 5594-51	" & 1,2 (phagetype paraB)	:1,10
961	1020A	Edwards	S. cholerae suis-kunzendorf 6145/52	(c):1,5
962	1024	"	B Nonmotile 1568-51	--(i:12)
963			4936-50	"
964			4937-50	"
965			? Zelly-50	i:--
966			3010-49	b:12
967			D Nonmotile 1521-51 (Guatemala: of SW553)	gp
968		"	" 1522 "	gp
969		"	1525 "	gp
970			" 3821-51	(gm)
971			5465-52	gm
972			" 1553-52 (Kauffmann)	(gm)
973	1023M	SW857 x--X	S. miami	IX XII 1,2:1,5
974	1023J	S. zega --x SW891		d:1,2
975	1023D	S, sendai --x SW933		IV V XII a:enx
976	1023K	SW 959 /1,2		1....
977	1023K	S. zega --x SW959	no reaction.	
978	1023L	S. zega --x SW960		d:12
979	Edwards 732-49	S. javiana		IX XII Lz_{28}:1,5
980	1028N1	SW979 x-- abony(2)		lz28:enx 22s
981	979K16	(--x)abony /b:enx		IV V XII z33:enx 22r
982	SW972 --x SW666			gm:-
983	SW970 --x SW666			gm:-
984	SW979 --x SW666			lz28:--
985	SW726 (abortus-equi) --x SW666		1026F	a:--
986	1026G2	SW726 --x SW950		IV V XII i:enx (i enx) :enx (sic) 22r
987	1031E	S. zega --x SW666		IV V XII d:--
988	99102	SW546 /1,2	inagg.	induced phase 1,10 ?
989	Stocker SL15	TM 0-form	Fla_7^-	IV XII TM 0
990	1028D1	TM2 --x SW980		IX XII i:enx 22r
991	102701	TM2 --x SW553		IX XII i:--
992	1031 Ko	SW959/ 1,2.		(bz33...)
993	102702	TM2--x SW967		gp:--
994	1026-0	SW726 (abortus-equi) --x SW960		a:12
995	1031K3	S. abony(2) --x SW959		IV V XII [illegible]:enx
996	1028F2	SW980 x~~00~~ SW703(1) (paratyphi B)		22r
997	1031 B	Edwards 3550-51	S. paratyphi B monophasic	b:--(z33)
998	1026T	S. sendai(2) --x SW726		IX X XII--:1,5 a:1,5
999	1023S	S. zega --x SW959		--:z6 (:1,5,z6,..2)
1000	1026V	SW 959 --x SW726		--:1,2

no [illegible]

DATE: REF:

	1	2	3	4	5	6	7	8	9	10
	SW	Ref	Source	Agency				Remarks		
	1001	1026W	SW 726	x--SW703(II)				1,2:--		
	1002	1026D	Sw726	x--(FA18 LT2^2)				a:enx diphasie (rough		
	1003	1026E	SW726	x-- (FA22 LT22)				IV, V, XII! a:enx diphasi		
	1004	Edwards	S. Miami	6500-51				IX XII	a:1,5	
	1005	1025	SW803 (abony)	b:enx 5 days plate			IV, V, II		z33:enx	
	1006	1036A	Edwards 7-119	para b non sp monoph			- almost nonmotile			
	1007	1036B	N97 "	S. paratyphi b java						
	1008	1036C	N97 (3)	S. paratyphi b java			non sp			
10	10091036B1		SW1007	b serum					1,2:bz33	
	1010	1023G		S abony (x--)			IV, V, XII		cf SW981	z33:enx/
	1011		SW1004	x--FA10	b		IX, XII		b:1,5	22[illegible]
	1012	1023G	"	x--FA3	c		IX, XII		c:1,5	
	1013	1023G	"	x--FA54	d		"		d:1,5	
	1014	"	"	x--FA8	eh		"		eh:1,5	
	1015	"	"	x--FA22	i		"		i:1,5	
	1016	"	"	x--FA60	gp		"		gp:1,5	
	1017	"	"	x--FA50	1z28		"		1z28:1,5	
20	1018	"	"	x--FA5	r		"		r:1,5	
	1019	"	"	x--FA18	1,2		"		a:1,2	
	1020	"	"	x--FA71	1,2 (SW1009)		"		1,2:15	
	1021	"	"	x--FA3B	1,7		"		1:a	
	1022	"	"	x--FA15c	enx		"		enx:a	
	1023	"	"	x--FA54	z6		"		a:1,5	
	1024	--	S. abony	x--S. zega					d:enx	22^R
	1025	--	TM SW950	x-- SW1010			IV, V, XII		z33:1,2	
	1026	1036EI	SW1009	x--FA12			IV, V, XII		i:b sic.	
	1027	1036G1b	TM2	x--(SW1009b; FA74)					b:1,2	
30	1028	1038B	SW1004	x-- SW1007 (FA73)					b:1,5	
	1029		SW1004	x--SW726					--:enx	
	1030	1038E1	SW1007	x--FA22					i:b	22^s
	1031	1038F2	SW1026i	X--FA40 (Sendai ph 1)			IV, V, Xii		a:b	
	1032	Edwards 2479-50		S. pullorum Mal+ XII2						
	1033	"				S abortus-equi	Meyer		enx:	
	1034	"				S abortus-equi	MC		a:	
	1035	"				"			NH2 a:	
	1036	1025	SW703	b:1,2			IV, V, XII		z33:1,2	
	1037	Zinder SR-8	SW558							S^R
40	1038	1044C5	SW1004	x-- S abony			IX, XII		b:1,5	10^R
	1039		S typhi H901	x-- SW666			IX, XII		b:--	
	1040		" "	x-- S sendai			"		a:--	
	1041	1043A1	SW1040	X-- S gallinarum SW774					gm	
	1042	1042			S abortus equi		41-D-1			
	1043	Edwards N97b							b1,2	
	1044	1044-C5-7	SW1004	x--S abony					b:1,5	PLT10s
	1045	1033-4	SW967	x--SW666					gm Fla+	22^s
	1046	Stocker:	SL46				TM binns	NCTC 73		
	1047	104551	SW694	x--SW944			I, II		b:--	
50	1048	1045 (1033G2-2)	SW948	x--Track, SW			No XII$_2$	no I		
	1049	1046c1.2	SW1043	x--TM					i:1,2	Lp^R
	1050	1023G.	SW1022	x-- S altendorf			IX, XII		c:enx	

DATE: REF:

1	2	3	4	5	6	7	8	9	10
SW	Ref	Source	Agency			Remarks			
1051	1046K1	1042B2.2(N971022)	x-- S abony					1,2:enx	Lp^r
1052	1049A	SW1031	x--S altendorf		a:b	IV, V, XII		c:b	
1053	1049B2	SW1031	x-- "		a:b	"		c:a	
1054	1051G1	SW1053	x-- Sabony (enx)		a:c	"		a:enx	
1055	1051H1	SW1053	x-- S abony (enx)		a:c	"		c:enx	bovis
1056	1052M	Moran (Ky)	"S abortus equi" 1966					enx:b abortus/	
1057	1051R2	TM	TM-SW1055			IV, V, XII		c:1,2	
1058	1052B	Edwards	Peru 818						
1059	1050	SW1022	x-- Type 1 S abortus equi			D		b:enx	
1060	Edwards	302-50	S cholerae-suis kunzendorf (Susc Beccles, Tauton, p)						
1061	"	TM2	Monophasic derivative.			stable ph2		53-2034 CDC	
1062	Spicer	14/45				S paratyphi C NM 3/10/52			
1063	Pre 3011-49					C1 NM			
1064	2963-51					C_1 NM			
1065	2692-49					C_1 NM			
1066	5993-50					C_1 NM			
1067	2806-51					C_2 NM			
1068	4608-50					C_2 NM			
1069	4609-50					C_2 NM			
1070	232-52					I, XII, XXIII			
1071	4519-52					E_1			
1072	2715-49					B (I, IV, V, XII)		i:1,2 see 107 1	
1073	1071A3-1	SW666	x-- S typhi A					d; -	
1074	NCTC 73		TM "binns" = 16 McNee, France 1917					=SW1046	
1075	Stacker	5710	"			IV, V			
1076	"	5711	"			I, IV, V			
1077	"	5712	"			IV			
1078	"	5713	"			I, IV			
1079	"	5715	"			IV V			
1080	"	4787	" "binns"						
1081	"	6817	"			IV, V, XII			
1082	"	SL 100 .	T 35/52			Le Minor and Grabar S typhi 0			
1083	"	101 .	T1/53			Roschka		"	
1084	"	102 .	T39/52			Moser		"	
1085	"	103 .	A205BL	S para A	LeMinor	H		"	
1086	"	104 .	A205IR	S para A	LeMinor	paral			
1087	"	105 .	A205IM	"	"	0			
1088	"	106 .	A205J	"	"	weak			
1089	"	SL 43	SW573 x--SW548			H, paralysed			
1090	"	J. T. Sal	1231/52			III, X 0			
1091	"	SL 18				IV, V, XII	TM-0	2a see SW989	
1092	"	SL28				IV, V, XII	~~(a:1,5)~~	S heidelberg0	
1093	"	SL55				TM-0 ø4			
1094	"	SL54				TM-0 ø2			
1095	"	SL51				IV, V, XII	(b:1,2)	ø2 PB-0	
1096	1073A-0	H901/d						j	
1097	1073A1		S gallinarum 74 0-x H901					gm	
1098	Anderson					S newport puerto rico			
1099	"					S fayed			
1100	"					S cholerae-suis 1348			

Date	S.W.	Ref.	Source & Remarks.	
1/10/54	1101	AB 4/1	Manchester 56488/52 TH - 'O'	22s
1/10/54	1102	AB 4/1	Manchester 29718/53 TH - 'O'	22s
4/11/54	1103	AB 6/1/I/c	F.A.22 → S. wien (CDC 281) → IV. XII : i : l.w.	
5/7/54	1104	AB 6/1/I/i	F.A.39 → S. dar es salaam (S.W. 771) → IX. XII : a : ex z18	
5/11/54	1105	AB 6/1/I/i	F.A.39 → S. wien (CDC 281) → IV. XII : a : l.w.	
7/28/54	1106	Edwards	4849/53	D NM
"	1107	"	4950/53	D NM
"	1108	Uetake	76 - S. london 1446 (uc 776).	
"	1109	"	77 - S. give 316	
"	1110	"	78 - S. anatum 293	
"	1111	"	81 - S. amager 2399	
"	1112	"	82 - S. zanzibar 5628	
"	1113	"	83 - S. shangani 5630	
"	1114	"	E1-1 S. bulantan	
"	1115	"	E1-2 S. vejle	
"	1116	"	E1-3 S. meleagridis	
"	1117	"	E1-4 S. elizabethville	
"	1118	"	E1-5 S. semi	
"	1119	"	E1-6 S. welfloreden	
"	1120	"	E1-7 S. orion	
"	1121	"	E1-8 S. lexington	
"	1122	"	E1-9 S. macallen	
"	1123	"	84 S. newington C2	
"	1124	"	85 S. selandia 7482	
"	1125	"	86 S. new-brunswick 5411	
"	1126	"	E2-1 S. cambridge	
"	1127	"	E2-2 S. kinshasa	
"	1128	"	E2-3 S. canoga	
"	1129	"	E2-4 S. illinois	
"	1130	"	K-12 S. thomasville	
	1131	1071C8	K → SW 1072 → i++, ② ++ ⑤+	
7/28/54	1132	Edwards	(CDC 268) S. ball	
"	1133	"	(" 281) S. wien	
"	1134	"	(" 290) S. wayenia	
"	1135	"	(" 317) S. zega	
"	1136	"	(" 208) S. shoreditch	
"	1137	"	(" 229) S. para A durazzo (XII/2).	
2/12/55	1138	J.L.	SW 967 gal -	
"	1139	J.L.	SW 967 gal -	
2/13	1140	Edwards	55-207 S. typhi Paralysed	
4/13	1141	"	212 S. mauschani (original)	XXXV ; m.t : -
"	1142	"	325 S. alachua (original)	XXXV : Z4 Z23 : -
"	1143	"	170 S. adelaide (original)	XXXV : f.g : -
"	1144	"	390 S. spp. (J. Taylor)	XXXV : a : -
"	1145	"	2282/51 S. adelaide (N.J. SHD.)	XXXV : f.g : -
"	1146	"	994/54 S. alachua (Cal SHD)	XXXV : Z4 . Z23 : -
"	1147	"	1003/53 S. alachua (Cal SHD)	XXXV : Z4 . Z23 : -
"	1148	"	1287/54 S. alachua (J. Taylor)	XXXV : Z4 . Z23 : -
"	1149	"	2212/53 S. alachua (Fla SHD)	XXV : Z4 . Z23 : -
"	1150	"	1017/54 S. spp. (Cal SHD.)	XXXV : n.m.
5/17	1151	Edwards.	S. virginia	(VIII) : d : -

1151-1200

SW

11/8/55	1151	Edwards	S. virginia		
	1152		S. typhimurium	"H_2S-"	PRE
1/18/56	1153	T.I.-50	TM2 U.V.	Fla	
"	1154	" "	" "	"	
"	1155	" "	" "	"	
"	1156	" "	" "	"	
"	1157	T.I.-52	" "	"	
1/24/56	1158	Edwards	Col 529-55	4,12 : r(i)-l.w.	
9/24/56	1159	T.I. 8/27/56	Sw726 → TM2	(i) : enx monophasic PLT22^s	
"	1160	T.I. 9/10/56	Sw1061 → Sw1092	(i) : 1.2 monophasic	
"	1161	T.I. 9/10/56	Sw1061 → Sw803	– : b monophasic	
"	1162	T.I. 6/6/56	Sw1161 x – TM2	i : b	22+
6/10/57	1163	from Taylor	S. africana	4,12 : r(i)-lw.	
	1164	Edwards	S. para B. monophasic b 4259-50		
	1165	Edwards	monophasic 5222-51. stable i phase.		
	1166	Edwards	192-53, S. typhimurium monophasic i		
	1167	"	5249-52, " " "		
	1168	"	6065-50, " " "		
	1169	"	2802-51 " " "		
	1170	"	1370-52 " " "		
	1171	"	1385-51 l. paratyph. B. monophasic b		
	1172	"	3514-50 " "		
	1173	"	5088-50 " "		
	1174	"	2324-50 " "		
	1175	"	5586-50 " "		
	1176	"	5317-50 " "		
5/20/57	1177	"	1339-56 Vt.	4,5,12 : 1.2 mono	
"	~~1178~~	"	1573-53 Wash	4,5,12 : i mono	
"	1179	"	4398-55 alaska	4,5,12 : i mono	
"	1180	"	3855-55 Rhode Island	4,5,12 : i mono	
"	1181	"	1673-54 Mine	4,5,12 : i mono	
"	1182	"	1996-56 Oregon	4,5,12 : i mono	
"	1183	"	120-54 Oregon	4,5,12 : i mono	
"	1184	"	331-57 La	4,5,12 : i mono	
"	1185	"	4947-53	Gp D n mo~~tilo~~	
"	1186	"	5455-54 Fla	Gp B n mo~~tilo~~	
"	1187	"	1467-55 Canada	S. dublin, mucoid nm	
"	1188	"	2384-55 Col.	Gp B. n mo~~tilo~~	n.m = non motile
"	1189	"	1251-55 Del	Gp B (4,12) : n mo~~tilo~~	
"	1190	"	4122-55	Gp B n m	
"	1191	"	5042-55 Wash	Gp B n m	
"	1192	"	431-56 Va.	Gp B n m	
"	1193	"	327-57 Ind. (prob. S. para B)	Gp B n.m	
"	1194	"	1238-57 Cels.	Gp B n m	
"	1195	"	2026-52 Iowa	4,5,12 : eh mono.	
"	1196	"	3092-55 Texas	4,12 : eh mono.	
"	1197	"	4382-55 Texas	9,12 : l Z28	
"	1198	"	3793-55 Ga	9,12 : l Z28	
"	1199	"	4303-56 Ariz	9,12 : l Z28	
"	1200	"	4480-53 Ala	9,12 : l Z28	
"	1201	"	3593-55 Ga	9,12 : l Z28.	
"	1202	"	4814-55 Ga	9,12 : l Z28.	
"	1203	"	Fla C 1473	b monophasic (obtained from C.D.C. Feb 1953)	
"	1204	"	Va Wilkerson	b monophasic (" ")	

1957-1959 SW 1201-1250

Date	SW	Ref.	Source and Remarks	
5/20/57	1201 ✓	Edwards	3593-55 Ga.	9, 12. l, Z_{23}
"	1202 ✓	"	4814-55 Ga.	9, 12, l, Z_{23}
"	1203 ✓	"	Fla C 1483, b monophasics	(obtained from C.D.C. Feb. 1953).
"	1204 ✓	"	Va Wilkerson, b monophasics	(" ").
9/10/57	1205 ✓	"	2495-57 (Calif.)	non motile group B Tartrate⁻.
"	1206 ✓	"	2571-57 (Minn.)	" " Tartrate⁻.
"	1207 ✓	"	2475-57	9, 12, 9 n Z_{10} Z_{18} : 1, 5, 7.
11/23/57	1208 ✓	T.I. 11/23/57	Sw 803 b: enx → Sw 1159	anti enx → i: (enx) monophasic
1/24/58	1209 ✓	T.I. 1/9/58	Sw 1061 acriflavin,	weak motile −: 1.2.
"	1210	T.I. 10/21/57	Sw 629 → Sw 1092	(r): 1.2 (Ah_{1b}^{-} H_1^{r} $H_2^{1.2}$)
3/4/58	1211		FREDERICO SA 118	S. bareilly chicken Ck⁺
"	1212		" SA 211	S. TM man Ck⁺
3/24/58	1213	T.I.	TM2 PLT22^{S} + FA (TM2 i: 1.2) → PLT22^{S}	
9.15.58	1214 ✓	Baron	S. TM ETS9-S^{R}	Fertile with coli HFr.
9.26.58	1232 ✓	"	" ETS9-S^{S}	
	1233 ✓	" 951-2	W1214 UV	Arg Leu Pro Ur
	1215 ✓	EML	SW 1214 spont.	Ara⁻
	1216 ✓	"	" Inf. p22 single plaque	(p22)
	1217 ✓		SW 1214 UV: B gal.	Ara⁻ Gal⁻ᵐ (1)
	1218 ✓			(2)
	1219 ✓			(3)
	1220 ✓			(4)
	1221 ✓			(5)
	1222 ✓			(6)
	1223 ✓		SW 1214 UV Barab	Ara⁻ (11)
	1224 ✓			(12)
	1225 ✓			(13)
	1226 ✓			(14)
	1227 ✓			(15)
	1228 ✓			(16)
	1229 ✓			(17)
	1230 ✓		SW 1224 UV B gal	Gal⁻ (4)
see above	1231 ✓	EML	SW 1224 " "	" (5) st
8/10	1234 ✓		SW 1231 spont. (penic)	Arg (Ara⁻ Gal⁻ Mals) S^{R}
	1235 ✓		SW 1234 "	Ser (Arg⁻ " " " S^{R}
	1236 ✓		SW 1234 UV: mal	Mal⁻ (Arg⁻ Ser⁻ Gal⁻ Ara⁻ S^{R})
	1237 ✓		SW 1215 spont.	Arg⁻ Ser⁻ [Gal + Ara⁻ S^{R} Mal(?)]
	1238 ✓		SW 1236 UV: mal	Mal⁺
	1239 ✓	WINICOV	SW 1214 proto col. penicillin	Val⁻
	1240 ✓	EML	SW 1237 (8?) UV: gal	Gal⁻ st. (Arg Ser Ara S^{R})
	1241 ✓	" 34A4	1237 x W1895 hybridiz. ?	Lac⁺ p22v^{S} proto: $T5^{S}$ λ_2^{R} Gal⁻ S^{R} Ara⁺
	1242 ✓	" 32 A15	x W3057	M⁻ $S^{S/R}$ lac⁻ Ara⁻
	1243 ✓	32 B30	"	≈ SW 1237 except Gal⁻ } reversed?
	1244 ✓	" Bd	"	≈ sw 1237 except M⁻
	1245 ✓	" AC	"	sugar + S^{S} Lp^{+} λ_2^{R} p22v^{R} proto ≈ 1895 M⁺
	1246 ✓	"	SW 1245 UV: gal	Gal⁻ #1
11/12-12/18	1247 ✓	WINICOV #1	SW 1214 penicillin + UV	Prol
	1248 ✓	" #2	"	M
	1249 ✓	" #3	"	Cyst
	1250 ✓	" #5	"	Tyro

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SW 1251–
SS 1300

1959 REF:

	1 date	2 SW-	3 Ref	4 Source	5 Agent	6	7 Mutation + Characteristics	8	9	10
1	11/24	1251	EML.	SW1236	UV: xyl		Xyl- #1 (Arg Ser Lac Gal Ara Mal Sm)			
2		1252			"		#2			
3		1253			"		#3			
4		1254	" 40.4.2	W1895xSW1241	recomb. M gal		Gal+ proto (sugar+ p22v^s λ2^R S^S ♂)			
5		1255	"	SW1241	UV: lac		Lac- #1 (Gal- Lac S^R λ2^R p22v^S)			
6		1256	"	"	"		#2			
7		1257	"	SW1246	"		Lac- A			
8		1258	"	"	"		" B			
9		1259	WINICOV	SW1250	penicillin		T (Tyro)			
0		1260	"	SW1259	UV- gal		Gal- (T Tyro Lac- S^R)			
		1261	"	SW1259	~~penicillin~~ arab		Ara- (~~[illegible]~~ " ~~[illegible]~~ " ~~[illegible]~~)			
1		1262	"	SW1247	penicillin		~~Arap~~ L (Prot- Lac S^R)			
2		1263	~~EML~~ " W	SW1262	UV: arab		Ara- (P ~~[illegible]~~ Lac S^R)			
3		1264	EML	SW1263	" gal		Gal- #5 (" " " " Ara)			
4		1265	"	"	" "		#6 "			
5		1266	"	"	" "		#7 "			
6		1267	"	SW1237	" "		#1			
7		1268	"	"			2			
8		1269	"	"			3			
9		1270	"	SW1254	penicillin auxo		3 prot? ♂? p22v^s λ2^R S^S mid.			
0		1271		↓	"		B33 vits? Gal-^m			
		1272			"		13			
1		1273			"		17			
2		1274			"		20			
3		1275			"		36			
4		1276			"		5			
5		1277	EML	SW1246	"		P (Gal- Lac-)			
6		1278	"	SW1263	UV: gal		Gal- #3			
7		1279	"	"			#2			
8		1280	Atkinson	SW1270	x- enx SW 803		enx: i (p22)+			
9		1281	"	SW1240	"		" " (Arg Ser ~~Gal~~ Lac Ara S^R)			
0		1282	EML	SW1281	UV: xyl		Xyl- (+m 48hrs) (" " " " " p22+ enx: 1)			
		1283		"						
1		1284		"						
2		1285		"						
3		1286		"			Xyl- (s^m 48hrs).			
4		1287	Atkinson	SW1281	x- i					
5		1288	EML	SW1282	UV: expt 1 rham		Rham- #1 (			
6		1289	"	"	expt 2 "		#4 (			
7		1290	"	SW1253	" "		" #1 (Arg Ser Lac Gal Ara Mal Xyl S^R)			
8		1291	"	SW1265	" xyl		Xyl- (P Asp Ara Gal Lac S^R)			
9		1292	"	SW1291	" rham		Rham- (" " " " Xyl ")			
0	3/30	1293	"	SW1284	" "		" (Arg Ser " " " " " p22+ enx: 1,2)			
	3/6-3/31	1294	Atkinson	SW1238	x- b via p22 (SW803)		1B b: 1,2 p22+ (Arg Ser Mal? Ara S^R Lac-			
1		1295		SW1253	"		10 " (" " " " Gal Xyl " ")			
2		1296		SW1260	"		11 " (Ty T Gal " ")			
3		1297		SW1264	"		12 " (P Asp Ara Gal)			
4		1298		SW1272	"		15 " (♂? sugar + auxo T5^S S^m)			
5	5/10	1300	EML 593 29	SW1215 + W6	recomb. w. F+ ♂ coli (#10)		Lac+ p22v^s proto (Gal-^m; Ara+; F donor to ♀ 2. coli)			
6										
7										
8										
9										
0										

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S1301-1350

1959 REF:

	1 date	S #	3 Ref	4 Source	5 Agent	6	7 Mutation & Characteristics	8	9	10
1	5/10	✓1301	ZML.59 S29	W6 × SW1215	recomb. w. F^+ ♂		Lac+ pro^{v} proto : donorka F to coli ?			#6
2		✓1302	"				Arg + Gal−m.			"
3		✓1303	"							14
4		✓1304	"							18
5	6/22	✓1305	"	SW 1263	uV : B xyl		Xyl− #9 (sectr)			
6		✓1306		"			#3 (pinkish; huge			
7		✓1307		"			#4.			
8		✓1308		"			5			
9		✓1309		"			6			
0		✓1310		"			8			
	6/23	✓1311	"	S 1305	uV: B rham		Rhm− (sectr) #1.			
1	6/26	✓1312		S. 1300	penicillin		#18. tryp	(F^+ donor; Gal−Lac+pro^{v}		
2		✓1313			"		#51 glyc (or se)	W6 × SW1215	S^R Arg−)	
3		✓1314			"		#67 cyst			
4	"	✓1315			"		#70. ~~Arg~~ ~~or~~ iLeu			
5	7/1	✓1316		S 1312	"		#18.2 try + threo			
6		✓1317		S. 1314	"		67.1 cyst + ~~glyc~~.			
7		✓1318		S 1312	"		18.1 C+M (Try)			
8		✓1319		S 1314			67.2 Try (C)			
9		✓1320		"			67.3 Arg (C)			
0		✓1321		"			67.8 uV (C)			
		✓1322		S 13[illegible]			18.12 uV (Try)		Gal−m	
1	7/[illegible]	✓1323		SW 1313			51.6 T (gly)			
2		✓1324		"			51.[illegible] P (")			
3		✓1325		"			51.2 Arg L (")			
4		1326					18. P (try)			
5		1327							Gal +	
6		1328						HIST		
7		1329							Gal +	
8		1330								
9	7/25	1331		SW 1259	Inf. F8 W4520		F+8 Lac−			
0		1332		SW 1311						
		1333		SW 1320						
1		1334		"						
2		1335		"						
3		✓1336		SW 1259	Inf. F13 W3747		F+/13 Lac +			
4		1337		SW 1262						
5	9/6/59	✓1338	Nossal	Salmonella adelaide (cf. Nossal + Ledebury 1958)						
6	10/26/59	✓1339	Baron	ST-2 × LT-2			F'			
7	11/[illegible]/59	✓1340	H. Ridout	SW 850	SM		S^R H^- M^- Lac−			
8	11/13/59	✓1341	—"—	SW 803	SM		S^R			
9	11/13/59	✓1342	—"—	TM 2 (85)	SM		S^R			
0	11/13/59	✓1343	—"—	SW 685 × W3747 F13		Lac+ sel.	Lac+v F13 i			
	11/30/59	✓1344	—"—	SW 850	SM		S^R C^- M^-			
1	2/18/60	✓1345	—"—	SW685 × SW1339		Lac+ sel.	Lac+ i			
2	4/28/60	✓1346	—"—	TM 2(85) × W3747		Lac+ sel.	Lac+v F13			
3		✓1347	"	SW1340 × SW 1346		Lac+ sel.	Lac+v F13 (Gal−H−M−S^R)			
4		✓1348	"	SW 1340 × SW 1352		Lac+ sel.	Lac+v F13 (Gal−H−M−S^R)			
5		✓1349	"	TM 2 (85) × SW 1367			F^+ "pink"			
6		✓1350	"	SW 803 reisolation F− white			F− "white"			

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SW 1351-1400

19 60 REF:

	1 date	SW 2	Ref. 3	Source 4	agent 5	6	mutation & characteristics 7 8 9 10
1	4/28/60	1351	H Mäkelä	SW 1350 ×	SW 1362		F^+ "pink"
2		1352	"	SW 803 ×	W 3747	Lac⁺ sel.	Lac⁺ F_{13}
3		1353	"	SW 1341	reisol. white col.		F^- white (S^R)
4		1354	"	SW 1341	reisol. pink col.		F^+ pink (S^R)
5		1355	"	SW 1341	UV, penis. sel; white		P^- F^- white (S^R)
6		1356	"	SW 13[illegible]	UV, penis. sel. for pink col.		F^+ pink (P^- S^R)
7		1357	"	SW 1355	UV, penis.		Arg^- (P^- S^R white)
8		1358	"	SW 1357 ×	SW 1357		F^+ pink (P^- Arg^- S^R)
9		1359	"	SW 1357 ×	SW 1352	Lac⁺ sel.	Lac⁺ F_{13} (P^- Arg^- S^R)
0		1360	"	SW 1357	UV, penis.		H^- (P^- Arg^- S^R white)
		1361	"	SW 1341	UV, penis, sel for m		M^- (F^- white S^R)
1		1362	"	SW 1341	UV, penis, sel. for p		F^+ pink (M^- S^R)
2		1363	"	SW 1361	UV, penis		Aromatic A-acids (M^- S^R F^- white)
3		1364	"	SW 1363 ×	SW 1357		F^+ pink (M^- $Arom^-$ S^R)
4		1365	"	SW 1363 ×	SW 1352	Lac⁺ sel	Lac⁺ F_{13} (M^- $Arom^-$ S^R)
5		1366	"	SW 1350	UV, penis.		H^- (F^- white)
6		1367	"	SW 1366 ×	W 4772	proto sel.	F' lic for H (proto⁺, pink)
7		1368	"	SW 1340	single col. isolate		best female strain with SW 1346, 1352
8		1369	"	SW 1340	—"—		peculiar in regard to F_{13} infectio
9		1370	"	SW 1369 ×	SW 1346	Lac⁺ sel.	Lac⁺ F_{13} (Gal⁻ H⁻ M⁻ S^R)
0		1371	"	SW 1369 ×	SW 1346	Lac⁺ sel.	Lac⁺ F_{13} (— " —)
		1372	"	SW 1259 ×	W 3747	Lac⁺ sel.	Lac⁺ F_{13} (T Tyro S^R, Tmg)
1		1373	"	SW 803	UV, penicillin		L (F^- white)
2		1374	"	SW 803	UV "		Gly or Ser (F^- white)
3		1375	"	SW 803	UV "		Ser (F^- white)
4		1376	"	SW 1355	UV "		Isoleucine⁻ (P^- S^R F^- white)
5		1377	"	SW 1355	UV "		M^- (P^- S^R F^- white)
6		1378	"	SW 1361	UV "		P^- (M^- S^R F^- white)
7		1379	"	TM2 (85)	UV, Xyl		Xyl⁻
8		1380	"	SW 1379	UV, penicillin		P^- (Xyl⁻)
9		1381	"	SW 1379	" "		M^- (Xyl⁻)
0		1382	"	SW 1344	" "		H^- (no other requirement, S^R)
		1383	"	SW 1382	" "		T^- (H^- S^R)
1		1384	"	SW 1382	" "		C^- (H^- S^R)
2		1385	"	SW 1344	" "		M^- (no other requirement, S^R)
3		1386	"	SW 1344	" "		Uracil⁻
4		1387	"	SW 1340 ×	SW 1339	Lac⁺ sel	Lac⁺ F' (Gal⁻ H⁻ M⁻ S^R)
5		1388	"	SW 334 ×	SW 1339	Lac⁺ sel.	Lac⁺ F' (Gal⁻ M⁻ S^R)
6		1389	"	SW 1379	UV, penicillin		Panthothenic acid⁻ (Xyl⁻)
7		1390	"	SW 685	Sm		S^R
8	6/8/60	1391	"	SW 1364	UV		Hfr high for L, P (M^- $Arom^-$ S^R)
9		1392	"	SW 1366	Sm		S^R (H^- white)
0		1393	"	SW 1339 ×	SW 1363		Lac⁺ F' (M^- $Arom^-$ S^R)
		1394	F. Dishon	(letter 25/5, 1960)			No. 5 S. java 4, 5, 12 : b : — (female to W3267)
1		1395	"	(— " —)			No. 187 S. miami 1, 9, 12 : a : 1, 5 (— " —)
2	7/7/60	1396	H Mäkelä	SW 803	infected from W6		F^+
3		1397	"	SW 1355	UV pen.		H^- (P^- S^R)
4		1398	"	SW 803	infected from SW 1364		F^+
5		1399	"	SW 1360	UV mal		Mal⁻ (P^- Arg^- H^- S^R)
6		1400	"	SW 1366 ×	W 4878	sel. for H⁺	proto, apparently also F^+
7							
8							
9							
0							

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1960 REF:

	date	SW	Ref	Source	Agent	Mutation & Characteristics
1	7/7/60	1401	H. Makela	SW 779	Sm	S^R also white
2		1402	"	SW 1401	inf. from SW 1364	F^+ (S^R, pink)
3		1403	"	SW 1364	UV, s	Hfr high for H infections (M^- Arom$^-$ S^R)
4		1404	"	SW 1399	UV, Ara	Ara$^-$ (Mal$^-$ P$^-$ Arg$^-$ H$^-$ S^R)
5	9/30/60	1405	"	SW 1373	Sm	S^R (L^-)
6		1406	"	SW 1355	UV, pen	yeast extract (P^- S^R)
7		1407	"	SW 1396	UV, selection for Hfr	Hfr for Isoleucin, Histidin; infections
8		1408	"	SW 1398	—"—	—"— —"—
9		1409	"	SW 1357 × SW 1391 on DO + Arg		P^+ (Arg$^-$ S^R)
0		1410	"	SW 1376 × SW 1391 on DO + I		P^+ (Isoleucin$^-$ S^R)
		1411	"	SW 1406 × SW 1391 on DO + YE		P^+ (yeast extract$^-$ S^R)
1		1412	"	SW 1392 × P22/SW 943		i : env (H^- S^R)
2		1413	"	SW 1412 × P22/SW 943		i : 1.2 (H^- S^R)
3		1414	"	SW 1355	UV, penisillin	L^- (P^- S^R) $P22^R$
4		1415	"	SW 1355	—"—	M^- (P^- S^R)
5		1416	"	SW 1355	—"—	yeast extract (P^- S^R)
6		1417	"	SW 1404 × 1391 on DO		proto (Mal$^-$ Ara$^-$ S^R)
7		1418	"	SW 1356	selection for Hfr	Hfr high for M, infections
8		1419	"	SW 1404 × 1399 on B Lac Sm		Lac$^+$ Baron F^+ (mal$^-$ ara$^-$ S^R P$^-$ Arg$^-$ H$^-$)
9		1420	O Makela	American Type Cult. Coll. 8392		Salm. ssp. serotype berta 9,12 : fgt : —
0		1421	H Makela	SW 1403	motility selection	F^- Hfr$^-$ (M^- Arom$^-$ S^R)
		1422	"	SW 1421	infected from 1398	F^+ Hfr$^+$ (—"—)
1		1423	"	SW 1355	—"—	F^+_{coli} (P^- S^R)
2		1424	"	# SW 1413 × SW 1391, sel. for H^+		x^+ — : 1.2 monophasic "9"
3		1425	"	—"—		"20"
4		1426	"	—"—		"16"
5		1427	"	—"—		"14"
6		1428	"	—"—		"11"
7		1429	"	# W 3462 × SW 1391, sel for H^+,	1	x^+ [illegible] / b : — partly rough
8		1430	"		2	[illegible] H_2 : — —"—
9		1431	"		3	OK100+ H_2 : —
0		1432	"		4	[illegible] b : — partly rough
		1433	"		5	[illegible] b : — —"—
1		1434	"		6	[illegible] H_2 : — —"—
2		1435	"		7	[illegible] H_2 : — —"—
3		1436	"	# 3462 × SW 1391 sel for H	5	[illegible] H_2 : — —"—
4		1437	"	SW 1436, selection NGA + antis. H2		not aggl. in H2 serum
5		1438	"	# 3462 × SW 1391, sel. for H	12	CDC+ H_2 : —
6		1439	"	SW 1438, sel. NGA + antis. H2		not aggl. in H2 serum
7	12/27/60	1440	"	SW 1355	UV, penisilin	Tryp$^-$ (P^- S^R)
8		1441	"	SW 1355	—"—	H^- (P^- S^R)
9		1442	"	SW 1404	UV	Xyl$^-$ (Mal$^-$ [illegible] Ara$^-$ S^R P Arg$^-$ x^-)
0		1443		SW 1398	UV	Mal$^-$ (F^+)
		1444	"	SW 1391	Hfr resolution after NGA	Hfr
1		1445	"	SW 1361	UV, pen	yeast extract S^R
2		1446	"	SW 1398	UV, sel. for Hfr	Hfr high for Arg M, H see list of Hfr's
3		1447	"	—"—		—"—
4		1448	"	—"—		—"—
5		1449	"	—"—		—"—
6		1450	"	—"—		—"—
7		1451	"	—"—		
8		1452	"	—"—		Hfr high for "yeast extract" Proline
9		1453	"	—"—		—"— yeast extract
0		1454	"	—"—		Hfr high for His, Gal

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1960 REF:

C	date	1 Lyph.	2 SW	3 Ref	4 Source	5 Agent	6	7 Mutation & Characteristics	8	9	10
12/27/60 1	12/27/60	✓	1451 ✓	H Makali	SW 1398	UV, Hfr rel.		Hfr high for Arg-His (see card)			
2		✓	1452 ✓	—"—	—	—"—		Hfr high for YE, Pro	—"—		
3		✓	1453 ✓	—"—		—"—		" " YE	—"—		
4		✓	1454 ✓	—"—		—"—		" " His, Gal..	—"—		
5		✓	1455 ✓	—"—		—"—		—"—			
6		✓	1456 ✓	"		—"—		—"—			
7		✓	1457 ✓	"		—"—		Hfr high for His, Prom...	—"—		
8		✓	1458 ✓	"		—"—		—"—			
9		✓	1459 ✓	"		—"—		—"—			
0		✓	1460 ✓	"		—"—		—"—			
		✓	1461 ✓	"		—"—		—"—			
1		✓	1462 ✓	"		—"—		—"—			
2		✓	1463 ✓	"	SW 943	inf. from	SW 1364	F^+ (S^S i: 1.2, wire rough)			
3		✓	1464 ✓	"	SW 1413	UV		Gal− (His− i: 1.2 S^R)			
4		✓	1465	"	"	"		Mal− (—"—)			
5		✓	1466 ✓	"	"	"		Mtl− (—"—)			
6		✓	1467 ✓	"	SW 1466	"		Mal− (Mtl− His− S^R i: 1.2)			
7		✓	1468 ✓	"	SW 1248	"		Mal− (M− S^R; TM9)			
8		✓	1469 ✓	"	SW 1355	× A22 (SW 943)		i (P− S2)			
9		✓	1470 ✓	"	SW 1376	"		i (P− Trp−) S^R			
0		✓	1471 ✓	"	SW 1377	"		i (P− M−) S^R			
		✓	1472 ✓	"	SW 1378	"		i (M− P−) S^R			
1		✓	1473 ✓	"	SW 1397	"		i (P− H−) S^R			
2		✓	1474 ✓	"	SW 1441	"		1.2 (P− H−) S^R			
3		✓	1475 ✓	"	SW 943	UV		Mal− (i: 1.2)			
4		✓	1476 ✓	"	SW 1444	NG A selection		F^-, F resistant			
5		✓	1477 ✓	"	SW 1448	—"—		F^- Hfr			
6		✓	1478 ✓	"	SW 1452	—"—		F^- Hfr			
7		✓	1479 ✓	"	SW 1462	—"—		F^- Hfr			
8		✓	1480 ✓	"	1477	inf. from	SW 1364	Hfr like SW 1448			
9		✓	1481 ✓	"	SW 1478	—"—		—"— SW 1452			
0		✓	1482 ✓	"	SW 1479	—"—		—"— SW 1462			
		✓	1483 ✓	"	SW 1001	UV, Sm selection		S^R (1.2: −) (S. aureus eg mi)			
1		✓	1484 ✓	"	—"—			—"— —"—			
2		✓	1485 ✓	"	SW 803	inf. from	SW 3747	F_{13}^+ Lac^v			
3		✓	1486 ✓	"	"	—"—	SW 1305	F_{13} strep$^+$ Lac^v			
4		✓	1487 ✓	"	"	×	SW 1419	Lac$^+$ Hfr Baron$^+$			
5		✓	1488 ✓	"	SW 1034	UV, Sm		S^R (a: −) (S. aureus eg mi)			
6		✓	1489 ✓	"	SW 1353	mont.		Pla− (S^R)			
7		✓	1490 ✓	"	SW 1473	× 1403,	P^+ sel.	Arom. P^+ His− i: exc S^R)			
8		✓	1491 ✓	"		—"—		—"—			
9		✓	1492 ✓	"		—"—		Arom− P^+ His+ (i: exc S^R)			
0		✓	1493 ✓	"	SW 1442	× SW 1463		P^- Arg−; poor mating, Arginine leaky − S^R			
		✓	1494 ✓								
1		✓	1495 ✓	STOCKER	LISTER	—		LT2 wild-type			
2		✓	1496 ✓	"	FUKASAWA & NIKAIDO's	(LT2-M1)		LT2 gal-sensitive. (epi im−)			
3		✓	1497 ✓	"	LISTER M10			LT2 adeC7 proA46 $H_1^{i\text{-}M10}$ fla− S^R			
4		✓	1498 ✓	"	" M10 gal-sens			M10 gal-sensitive			
5		✓	1499 ✓	NOSSAL	Edwards	S. habana	(O: 1,13,23; H: 1, −)				
6		✓	1500 ✓	"	"	S. morehead	(O: 30; H: i, 45)				
7											
8											
9											
0											

MICROBIAL GENETICS

SW 1501-50

1961 REF:

	1 date	2 SW	3 Ref	4 Source	5 Agent	6	7 Mutation	8	9	10
1	7-19.	✓1501✓	Reda Brown AS.		S. Hvitingfoss		16: b-enx			
2		✓1502✓	(Engel+Nozal)		S. Horsham	(1)	6,14,25: b-enx			
3		✓1503✓	"		S. minnesota		21: b-enx			
4		✓1504✓	"		S. urbana		30: b-enx			
5		✓1505✓	Engel from	Roantree	S. muenchen		6,8: 1,2-d			
6		✓1506✓	Engel from B. Stocker	NCTC 5722	S. Derby		1,4,12: fg.			
7		✓1507✓	"	NCTC 5721	S. Derby		4,12: fg			
8		✓1508✓	"	BAL 2212-59	S. Derby		1,4,12 fg			
9	III/19/71	1509	B. Ames	TA 1530			his⁻ gal⁻Δ biotin⁻Δ	VH15⁻Δ	chlorate⁻Δ	
0	"	1510	"	TA 1531			"	"	"	"
	"	1511	"	TA 1532			"	"	"	"
1	"	1512	"	TA 1724 (path.) or 1534			"		"	
2	III/2/71	1513	S. Stocker (father)	SL 1676			lys⁻ A8 gal⁻ epi⁻			
3		1514								
4	IV/24/71	LT-2	"	big colony			wild			
5		1515 "	"	small colony			"			
6	X/2/72	1516 "	"	SL 1670			Fur or Fals1 or Fals2, NalR, P22 mi⁻			
7	"	1517 LT7	"	SL 3613			Pro A B Cur E			
8	X/10/72	SW1518	"	EL 199			Met AE trp ilva (leaky) his⁻ res mod+ (P1 sens) xyl⁻ str r			
9							gal⁻ epi (H1 Q H2 long)			
0							(Fals2⁻ Fals1+ or VV)			
1	X/16/72	SW1519	"	SL1027 ✓			Sm R, met⁻, trp⁻, P22 sens			
2	I/12/73	SW1520	"	TA 1659 ✓			LT2 gal (chl, bio, mnB)Δ			
3	"	SW1521	"	SL 1694			= TA 1659 (F'8 gal+)			
4	I/29/73	SW1522	Weinrich	Pro C90 ✓			Proline			
5	"	SW1523	"	ST Thy 57 (P22 C2 29) 25 ✓			lysogen ST Thy 57 (P22 C2 29)			
6	I/28/73	SW1524	S. Stocker	SL N81			SD14, fla, str, xyl, rou 511, rfa F⁻			
7	V/1/73	SW1525	"	SL1542			LT2 his (left)Δ-519			
8	"	SW1526	"	SL1667			LT2 his (left)Δ-520			
9	"	SW1527	"	TA1674			LT2 gal (uha, uro, bio, chl, mnB)Δ			
0	"	1528	"	TA1701			his⁻ C3076 (gal, bio, chl, nic, mnB)Δ			
	"	1529	"	TA1656			(Uro g, gal, bio, chl, mnB)Δ			
1	"	1530	"	SL1102			fla, str, xyl (leup) rfa E⁻			
2	"	1531	"	SL3759			Arg E 116			
3	"	1532	"	TA1657			chl, bio, gal, mnB			
4	"	1533	"	TA1701			his+			
5	"	1534	"	SL1746			LT2 met Eyn gal E160 epi⁻ leaky			
6	"	1535	"	SL1751			SL1746 (F'8 gal+)			
7	"	1536	"	SL1749			LT2 met E 97 gal E161 epi⁻ leaky			
8	"	1537	"	SL1752			SL1749 (F'gal+)			
9	"	1538	"	LT2-M1			gal E epi⁻			
0	"	1539	"	SL1716			LT2-M1 (F'8 gal+)			
	X/16/73	SW1540	Baron	WR4255 ✓	Coli-S. Thyphimurium hybrid		cyo⁻ trp⁻ met⁻ str R			
1	XII/11/73	1541	Stocker	SL1657 ✓			gal⁻ (weak) restriction⁻			
2	"	1542	"	SL1654 (CL4419)			smooth restriction⁻			
3	4-1-75	SW1543	B. Cohen	Galvez Stream, Stanford		SW1543h	wild	smaller than E coli; tiny gram neg rods, motile		
4	4-1-75	SW1544	"	SW1543	MTG	etc.	Threonine⁻	R.F. day 3 = 1.3×10⁻⁶	background + tiny colonies	
5	4-1-75	SW1545	"	1543	"	slants made	vits.		R.F. day 5 = 1.99×10⁻⁸	
6	"	SW1546	"	1543	"	from	glycine⁻ + serine⁻		R.F. day 5 = 0.35×10⁻⁸	
7	"	SW1547	"	1543	"	heavily	histidine⁻		R.F. days = 3.7×10⁻⁹	
8	"	SW1548	"	1543	"	streaked	arginine⁻		R.F. days = 0.65×10⁻⁹	
9	"	SW1549	"	1543	"	area of	valine⁻		R.F. days = 0.51×10⁻⁹	
0	"	SW1550	"	1543	"	plate)	threonine⁻		R.F. days = 0.14×10⁻⁹	
	"	SW1551	"	1543	"		methionine⁻		R.F. days = 1.5×10⁻⁸	

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19 REF:

	1 date	2 SW	3 Ref	4 Source	5 Agent	6	7 Mutation + chars.	8	9	10
1	4-1-75	SW1552	B. Cohen	SW1543	NTG	R.F. = 0.5×10^{-9}	Group II AA⁻	- lacey appearance of growth at edges but test for ones.		
2	4-1-75	SW1553	"	"	"	R.F. = <1	Group III AA⁻	- but only light growth upon + of group II		
3	4-1-75	SW1554	"	"	"	2 kinds of colonies even after 3 purifications.	Was if more than 1 group needed	R.F. = 7.6×10^{-8}	tiny colonies	
4	4-1-75	SW1555	"	"	"	R.F. = 2.1×10^{-8}	heaviest growth II → III → I → IV → V	Lightest growth		
5	4-1-75	SW1556	"	"	"	R.F. = 3.7×10^{-7}	Group I AA⁻ leaky for Vits + NAs are not made + by addition of AAs or Vits By + of NAs → tiniest colonies			
6										
7	4-1-75	SW1557	"	"	"	R.F. = 1.3×10^{-8}	are not made + by addition of AAs or Vits By + of NAs → tiniest colonies			
8	4-1-75	SW1558	"	"	"	minimal plates	heavily	positive day 2		
9	4-1-75	SW1559	"	"	"		"	"	"	
0	4-1-75	SW1560	"	"	"		"	"	"	
	4-1-75	SW1561	"	"	"		"	"	"	
1	4-1-75	SW1562	"	"	"		"	"	"	
2	4-1-75	SW1563	"	"	"	2 kinds colonies after 3 NA purifications (tiny + large) 30 + day 2; back grd tiny colonies also				
3						AA⁻. Addition of Vits or NAs →		back grd tiny colonies + sev. large ones.		
4	4-1-75	SW1564	"	"	"	. . . . .				(tiny + large mucoid)
5	4-1-75	SW1565	"	"	"	. . . . .				(small + large)
6						Addition of AAs or Vits or N.A. → +				
7										
8	I-7-76	SW1566	Colon	SL1642			LT7, ProC90, r_{LT}^- m_{LT}^-			
9										
0										
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3										
4										
5										
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