REPORT OF THE 367TH CELL EXCHANGE

AUGUST 1, 2012

B-cell line Exchange

B-cell Line	**473-476**
Serum	**1089-1096**
DNA Extract	**553-556**
Cells	**1465-1468**

We wish to acknowledge the generosity of **Jane Rowlands, Helen Bass, and Christopher Darke, Welsh Blood Service, Pontyclun,** and **Professor F.H.J. Claas, Leiden University Medical Center, Leiden,** for providing valuable reference cells to study in our exchanges.

Ter 473. Two different DRB1*08 alleles were present in this cell of unknown origin. The first was DRB1*08:11. This rare allele was detected by 71%. DRB1*08:11 differs from DRB1*08:02 at codon 57 by a single nucleotide substitution (GAT->GCT) resulting in an amino acid change from aspartic acid to alanine. Smith et al. (1) described DRB1*08:11 along with DRB1*08:07 as appearing "to have been generated from DRB1*08:02 either by single point mutations or by intra-locus recombination events between other DRB1 alleles." Smith et al. further stated that DRB1*08:11 "is apparently unique to Native Americans, being identified in the Tlingit and in the Navajo populations" (1, 2). DRB1*08:11 was also found in Ter 383 (also Ter 324), which was the workshop cell, IHW#9430, from a Native American donor.

DRB1*08:04 was the other DRB1*08 allele, detected by 76%, with 14% of labs reporting DRB1*08:04:01.

DQB1*03:19 was detected by 72% in this cell. According to Witter et al., "This novel allele (DQB1*03:19) differs from the DQB1*03:01 allele at nucleotide position 554 (C->T), which results in a Thr to Ile amino acid exchange" (3). DQB1*03:19 was observed earlier this year in cell Ter 471 (also Ter 401).

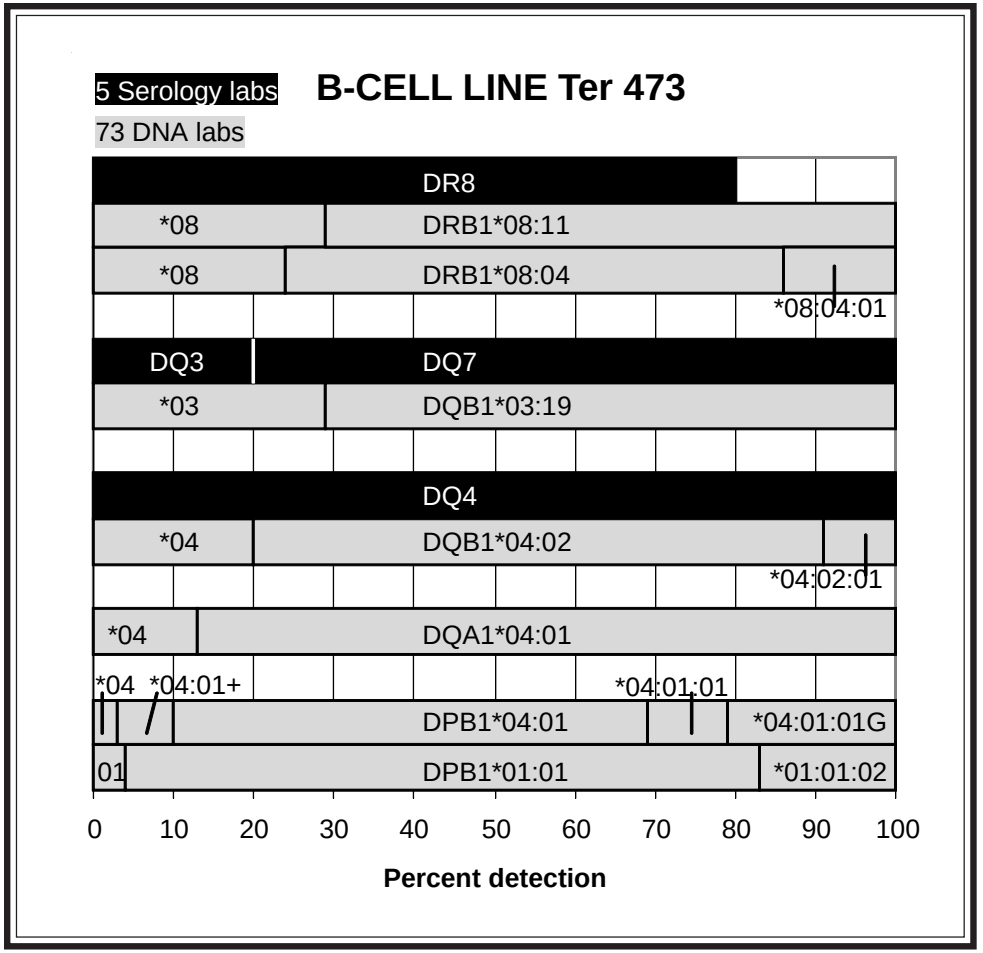
The other DQB1 type in this cell was DQB1*04:02 which was well detected by 80%.

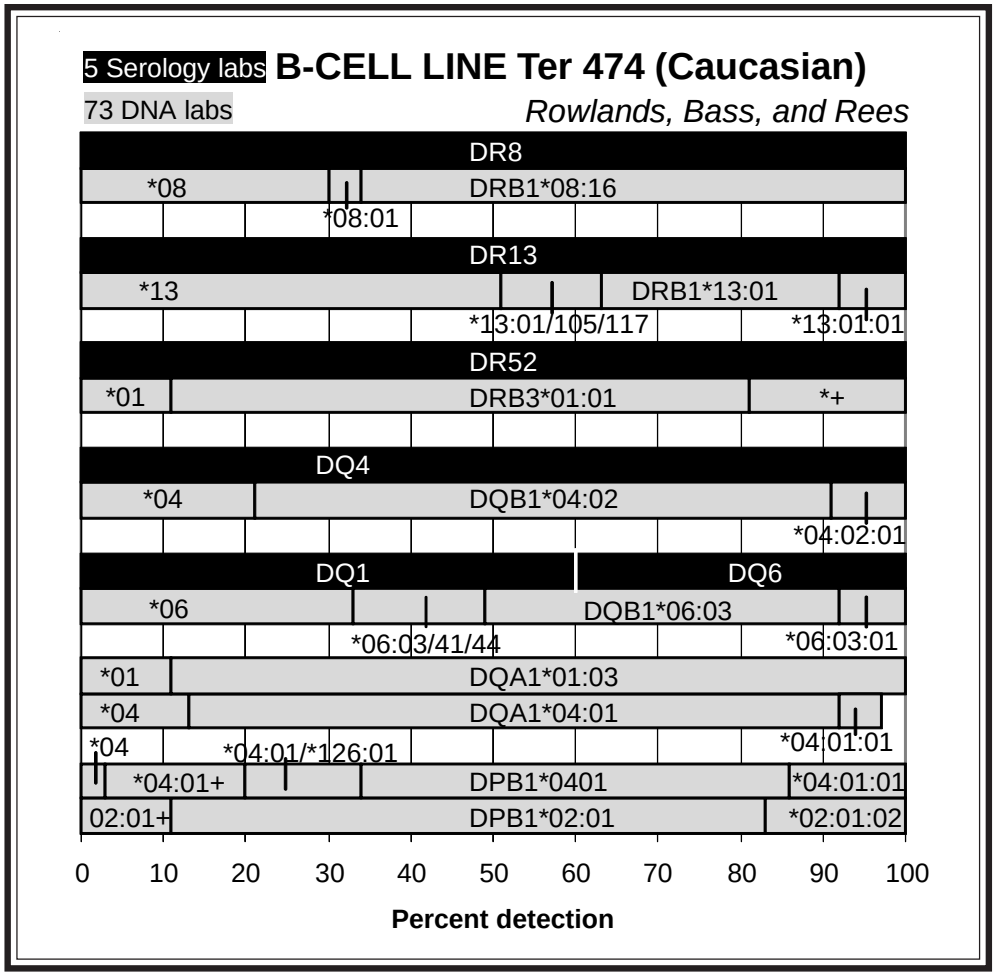
DQA1*04:01 was assigned by 87%.

One probable haplotype was DRB1*08:11-DQB1*04:02-DQA1*04:01, as was present in Ter 383, the other DRB1*08:11 exchange cell. DRB1*08:04-DQB1*03:19-DQA1*04:01 was the other likely haplotype. DRB1*08:04 is commonly found in association with DQB1*03:01.

DPB1*01:01 (*01:01:02) (96%) and DPB1*04:01 (69%) were the reported DPB1 types. DPB1*04:01/*126:01, denoted as DPB1*04:01:01G, was assigned by 21%.

DPA1*01:03 and DPA1*02:01 were assigned by Charron, Eckels, Jaatinen, Kamoun, Lee, Lo, Lopez-Cepero, Mah, and Stamm.





Ter 474. This Caucasian cell was 24131, a reference cell for DRB1*08:16. It was previously typed as Ter 369 (2005) and Ter 443 (2010), as correctly identified by Hahn, Jaatinen, Kamoun, Lopez-Cepero, Mah, Rao, Stamm, and Tiercy.

In this present typing, DRB1*08:16 was assigned by 66%; however, it should be noted that DRB1*08:01 was misassigned by 3 labs. In comparing the SSO reactivity pattern of DRB1*08:16 to DRB1*08:01, Buyse et al. (4) explained that the "...pattern for DRB1*0816 is identical to the DRB1*0801 pattern except at codon 37 where the SSO specific for TAC (DR52A#11, encoding Tyr) failed to hybridize and the SSO specific for GAC (DR52A#12, encoding Asp) reacted." This is the only DRB1*08:16 cell typed in the Cell Exchange.

DRB1*13:01 was detected by only 37%, a significant decrease from the 61% detection level in 2010. A number of labs (12%) were unable to distinguished DRB1*13:01 from DRB1*13:105 and DRB1*13:117 in this current typing.

DQB1*04:02 (79%) and DQB1*06:03 (51%) were the DQB1 types.

DQA1*01:03 was assigned by 89% and DQA1*04:01 was assigned by 84%.

DPB1*02:01 was detected by 89%, with 17% of labs reporting DPB1*02:01:02. The other DPB1 type was DPB1*04:01 (65%). DPB1*04:01/*126:01 was assigned by 14%.

The possible haplotypes in this cell were DRB1*08:16-DQB1*04:02-DQA1*04:01 and DRB1*13:01-DRB3*01:01-DQB1*06:03-DQA1*01:03. The same DRB1*08:16-DQB1*04:02-DQA1*04:01 haplotype was found in ML0273, another DRB1*08:16 reference cell

DPA1*01:03 was reported by Charron, Eckels, Jaatinen, Lee, Lo, Lopez-Cepero, Mah, and Stamm.

Ter 475. This cell from a Caucasian donor was NIE, the reference cell for DRB1*04:32. It was previously typed as Ter 265 (2000) and Ter 348 (2004), as correctly noted by Hahn, Lopez-Cepero, Mah, and Stamm. Anholts et al. describes this allele as being "similar to *0413 but with a mutation at position 215," resulting in an amino acid change from arginine to glycine (5). In this present study, DRB1*04:32 was detected by 64%.

DRB1*03:01 (48%) was reported as the second DRB1 allele.

DQB1*02:01 was reported by 72% and DQB1*03:02 was assigned by 59%. A number of labs, 18%, were unable to differentiate DQB1*03:02 from DQB1*03:32 and DQB1*03:37.

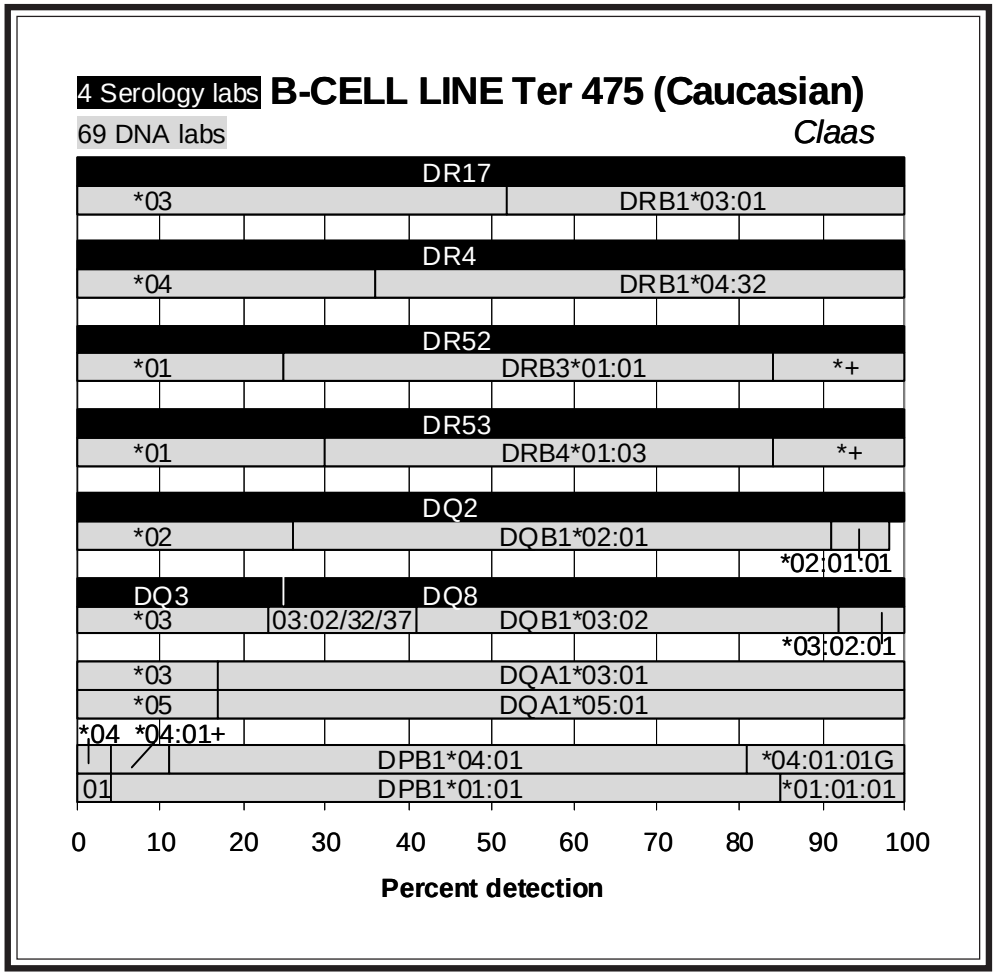
DQA1*03:01 and DQA1*05:01 were assigned by 83% as the DQA1 types.

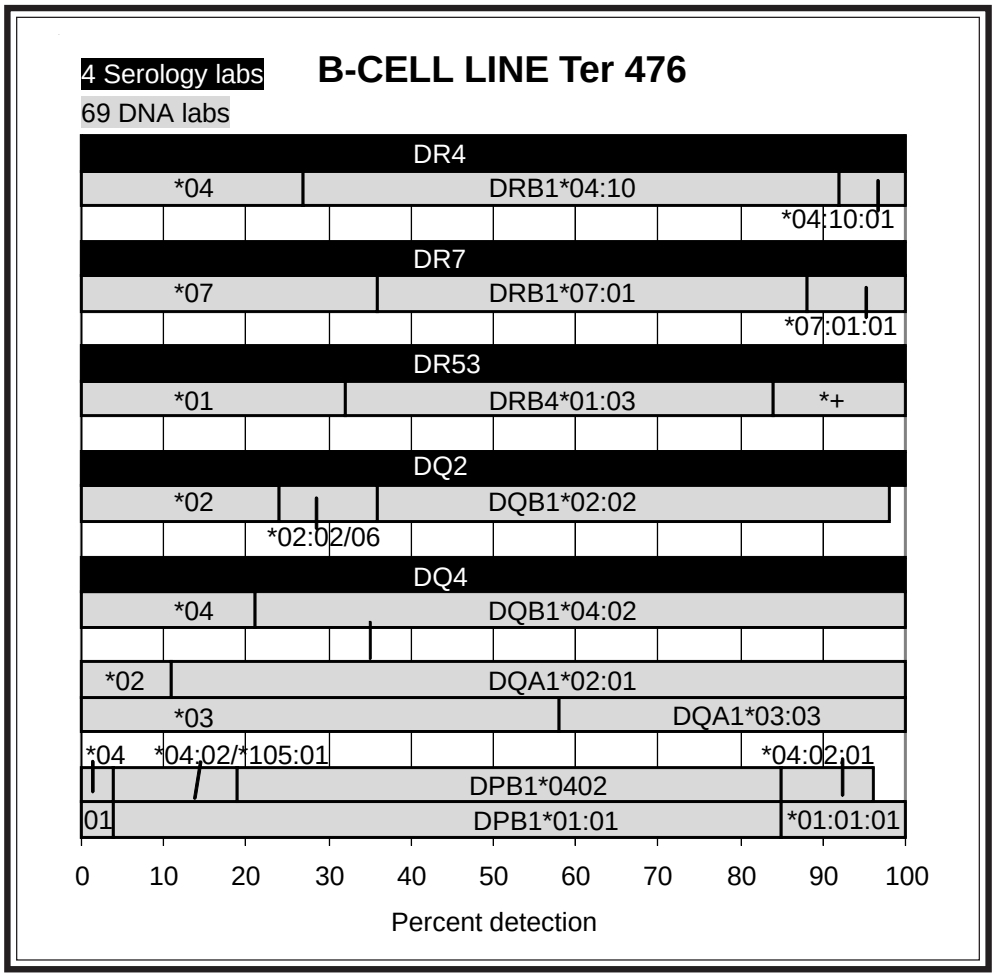
DPB1*01:01 was well typed by 96%, with 15% reporting DPB1*01:01:01. The other DPB1 type was reported as DPB1*04:01 (70%). DPB1*04:01:01G was reported by 19%.

The likely associations in this cell were the common DRB1*03:01-DRB3*01:01-DQB1*02:01-DQA1*05:01 and DRB1*04:32-DRB4*01:03-DQB1*03:02-DQA1*03:01.

DPA1*01:03 was reported by Charron, Eckels, Kamoun, Lee, Lopez-Cepero, Mah, and Stamm. DPA1*02 was reported as the second DPA1 type, with 3 labs, Kamoun, Lee, and Stamm, assigning DPA1*02:01.

This sample was also previously typed for class I as extract 146 (2000). The class I type was determined to be A*01:01, - , B*07:02, B*15:01, C*03:03, C*07:02.





Ter 476. This sample was studied in the workshops as IHW#9383. It was previously typed in the Cell Exchange as Ter 333 (2003) and Ter 377 (2006), as astutely recognized by Hahn, Lopez-Cepero, Mah, and Stamm.

DRB1*04:10 was assigned by 73% in this present study. This is comparable to the 78% detection level in 2006.

DRB1*07:01 (*07:01:01) was reported by 64% as the second DRB1 type.

DQB1*02:02 was assigned by 61%. A number of labs, 12%, reported DQB1*02:02/06. DQB1*02:06 differs from DQB1*02:02 by a single nucleotide substitution (GTC->ATC) at codon 170 in exon 3, resulting in an amino acid change from valine to isoleucine.

The second DQB1 allele was DQB1*04:02 (79%).

DQA1*02:01 (89%) and DQA1*03:03 (39%) were the reported DQA1 types.

DPB1*01:01 was well typed by 96%, with 15% assigning DPB1*01:01:01.

The other DPB1 allele was DPB1*04:02 (77%). DPB1*04:02/*105:01 was reported by an additional 15%.

The possible haplotypes in this cell were DRB1*04:10-DRB4*01:03-DQB1*04:02-DQA1*03:03 and DRB1*07:01 (*07:01:01)-DRB4*01:03-DQB1*02:02-DQA1*02:01.

DPA1*01:03 and DPA1*02:02 were assigned by Eckels, Charron, Kamoun, Lee, Lo, Lopez-Cepero, Mah, and Stamm.

Serum Exchange

One month's antibody study consisted of 4 samples (**sera 1089-1092**) strongly positive to 2CREG specificities, specifically A2. Previous samples with similar reactivity patterns were serum sample #941-944 (2007) and #1041-1044 (2010).

1089	method	#labs	A2	B57	B58	B17	A69	B41	B45	B55	B37	B42	B60	B8	B49	B50	B67	B39	B47	B38	B54	B13	B59	A11	A29	A43	A32	Cw15	B62	A25	A3	A36	B51	B52	B18	B63	A74	B64	B65
green	NIH-Std	3	100																																				
	NIH-Ext	4	100	25	25	25																																	
	AHG	4	100	25	25	25																																	
	Luminex	31	100	100	97		100	97	97	97	94	100	97	94	94	94	94	90	90	87	87	84	84	71	77	84	58	58	48	45	42	42	42	42	39	29	26	26	26
	ELISA	2	100		100		100	100	100	100	100																												

For **serum 1089**, A2 was reported by all methods. Additional reactivity to B17 (B57, B58) was also detected by all methods, except by standard NIH. Luminex and ELISA labs reported strong positivity to A69, B41, B45, B55, and B37. Luminex labs also reported strong reactivity to selected A-locus specificities (A11, A29, A43) as well as to 7C and 8C specificities.

1090	method	#labs	A2	A68	A69	A28	B57	B58	A24
orange	NIH-Std	3	100						
	NIH-Ext	4	100	25		25			
	AHG	3	100	33	33	33	67	33	
	Luminex	31	97	100	100		100	97	55
	ELISA	2	100	100					

Serum 1090 was reported by all methods to be strongly reactive to A2. Positivity to A28 (A68, A69) was found by all methods with the exception of standard NIH. Antiglobulin and Luminex labs also detected anti-B57 and -B58 reactivity. Additional reactivity to A24 was reported by Luminex.

1091	method	#labs	A2	A68	A69	A28	A203	A2403	B57	B58	A1	A36	A23	A24	A34	B8	B59
purple	NIH-Std	3	100														
	NIH-Ext	4	100			50											
	AHG	4	100	50	50	25											
	Luminex	31	100	100	100		16	19	77	58	94	94	58	81	61	77	48
	ELISA	2	100	100	100												

For **serum 1091**, all labs reported this sample to be strongly positive to A2. Reactivity to A28 (A68, A69) was reported by all labs except those using standard NIH. Labs using Luminex reported strong reactivity to A1, A36, A9 (A23, A24), B8, and B17 (B57, B58).

Serum 1092 was determined by all labs to be strongly reactive to A2. As was observed with sera 1090 and 1091, labs using standard NIH did not report anti-A28 reactivity whereas all other methods did. Labs using extended NIH, antiglobulin and Luminex reported B57 and B58. Strong anti-A24 and -A32 reactions were reported by Luminex and ELISA. Luminex detected additional strong reactivity to other A-locus antigens, as well as to 5C and 7C specificities. Numerous C-locus specificities (Cw1, Cw2, Cw6, Cw8, Cw9, Cw10, Cw12, Cw14, Cw15, Cw18) were also reported by Luminex labs.

1092	method	#labs	A2	A68	A69	A28	B57	B58	B17	A24	A32	A23	A25	A29	A31	A3	A34	A30	A33	A74	A36	A80	A11	A43	A26	A66	B35	B60	B61	B49	B51	B75	B46	B50	B53	B63
brown	NIH-Std	3	100																																	
	NIH-Ext	4	100	50		50	25	25	25																											
	AHG	4	100	25	25	25	50	50	25																											
	Luminex	31	100	100	100		100	100		97	90	94	90	87	94	90	90	90	90	90	81	81	77	77	84	68	97	97	97	94	94	94	90	90	90	90
	ELISA	2	100	100	100					100	100																									

1092	method	#labs	B71	B77	B47	B62	B52	B72	B41	B45	B64	B78	B13	B27	B56	B55	B65	B44	B18	B81	B7	B37	B48	B67	B73	B38	Cw1	Cw2	Cw6	Cw8	Cw9	Cw10	Cw12	Cw14	Cw15	Cw18
brown	NIH-Std	3																																		
	NIH-Ext	4																																		
	AHG	4																																		
	Luminex	31	90	90	87	87	84	84	81	81	81	81	77	71	71	68	68	65	61	61	58	58	58	58	48	29	65	55	58	58	87	90	65	74	65	65
	ELISA	2																																		

Four samples (**sera 1093-1096**) strongly positive to 5CREG specificities were examined in a second antibody study. Previous studies that included antibodies with similar reactivity patterns were serum samples #1021-1024 in 2010 and #1053-1056 in 2011.

For **serum 1093,** B35, B51, and B62 were reported by all methods. Strong reactivity to other 5C specificities, including B52, B53, B18, B75, B57, B63, B13, and B70 ,were also found by labs using different methods. Antiglobulin and Luminex labs reported strong anti-B8 reactivity, as well as reactivity to B46, B21 (B49, B50), B39 and B65. Luminex also reported strong reactions to other 7C and 8C specificities, along with noted reactivity to C-locus antigens (Cw1, Cw5, Cw8, Cw14).

1093	method	#labs	B35	B51	B52	B53	B18	B62	B75	B57	B63	B13	B71	B72	B8	B46	B49	B50	B39	B65	B37	B78	B56	B76	B77
green	NIH-Std	5	100	80		60	40	80	40																
	NIH-Ext	2	100	100		100		100		100															
	AHG	5	100	100	80	100	100	60		80	40	40			80	40	40	40	40	40					
	Luminex	33	100	91	91	91	94	97	91	97	94	94	97	94	94	94	94	94	82	82	94	91	91	91	88
	Flow	2	100	100	100			100																	
	ELISA	3	100	67	100	100	100	100	100	67	100	67	100	67											

1093	method	#labs	B54	B41	B45	B38	B64	B59	B61	B48	B82	B73	B60	B47	B15	B70	CW1	CW5	CW8	CW14	B67	B42	B44	B7	B55
green	NIH-Std	5																							
	NIH-Ext	2																							
	AHG	5													40	40									
	Luminex	33	91	88	85	82	82	82	76	73	64	61	52	45			64	79	82	67	39	30	30	30	24
	Flow	2																							
	ELISA	3																							

1094	method	#labs	B35	B51	B52	B53	B49	B50	B71	B72	B62	B75	B18	B78	B57	B58	B56	B63	B37	B77	B46
orange	NIH-Std	5	80	100	40	60															
	NIH-Ext	2	100	100		100															
	AHG	5	100	100	60	100	40	40													
	Luminex	33	97	92	97	97	97	97	94	94	94	91	91	91	91	94	94	94	91	91	85
	Flow	2	100		100																
	ELISA	3	100	100	100	100	67		100	100	67	67	67	67	67						

1094	method	#labs	B54	B45	B64	B76	B48	B47	B39	CW4	CW5	CW9	CW10	CW17	CW18	A80	A11	A25	A26	A43	CW2
orange	NIH-Std	5																			
	NIH-Ext	2																			
	AHG	5																			
	Luminex	33	82	52	48	42	36	33	33	48	70	79	79	52	58	67	58	33	33	30	30
	Flow	2																			
	ELISA	3																			

Serum 1094 was reported by all methods to be strongly reactive to B35. Other 5C specificities reported as being strongly reactive in this sample were B51, B52, B53, and B49. B50 was detected by labs using antiglobulin and Luminex. Luminex and ELISA labs reported B70 (B71, B72), B15 (B62, B75), B18, B78 and B57. Luminex labs detected additional reactivity to other B-locus specificities. Cw4, Cw5, Cw9, Cw10, Cw17, and Cw18 were also reported by Luminex.

1095	method	#labs	B35	B51	B52	B53	B18	B49	B57	B58	B37	B63	B71	B72	B75	B50	B46	B62	B56	B65	B8	B78	B76	B77	B64	B59	B55
purple	NIH-Std	5	100	80	80	80	60	40																			
	NIH-Ext	2	100	100	100	100	100	100																			
	AHG	5	100	100	100	100	100	80	60	40	40	40	40			60	60	40	40	40							
	Luminex	33	97	97	94	97	97	91	94	97	91	94	97	97	94	97	94	97	94	85	94	94	91	91	85	82	79
	Flow	2	100	100	100		100																				
	ELISA	3	100	67	67	100	100	100	67	67	67	67	100	100	67												

1095	method	#labs	B73	B82	B54	B45	B13	B7	CW1	CW8	CW9	CW10	CW14	CW15	CW18	A25	A33	A32	A34	B15	B70	B38	B44	CW5	CW6	A66	
purple	NIH-Std	5																									
	NIH-Ext	2																									
	AHG	5																		40	40						
	Luminex	33	79	76	73	70	67	52	79	64	85	85	82	67	58	79	91	85	39			39	30	30	36	27	
	Flow	2																									
	ELISA	3																									

For **serum 1095,** all methods detected strong anti-B35, -B51, -B52, and -B18 reactivity. This sample was strongly positive to B53 and B49. Antiglobulin, Luminex, and ELISA labs reported additional specificities in the 5C group; antiglobulin and Luminex noted reactivity to B46, B50, B56, B62, and B65. Luminex labs also reported positivity to other 7C and 8C specificities. Additional reactivity to A-locus (A25, A32, A33, A34) and C-locus antigens (Cw1, Cw8, Cw9, Cw10, Cw14, Cw15, Cw18) were reported by Luminex.

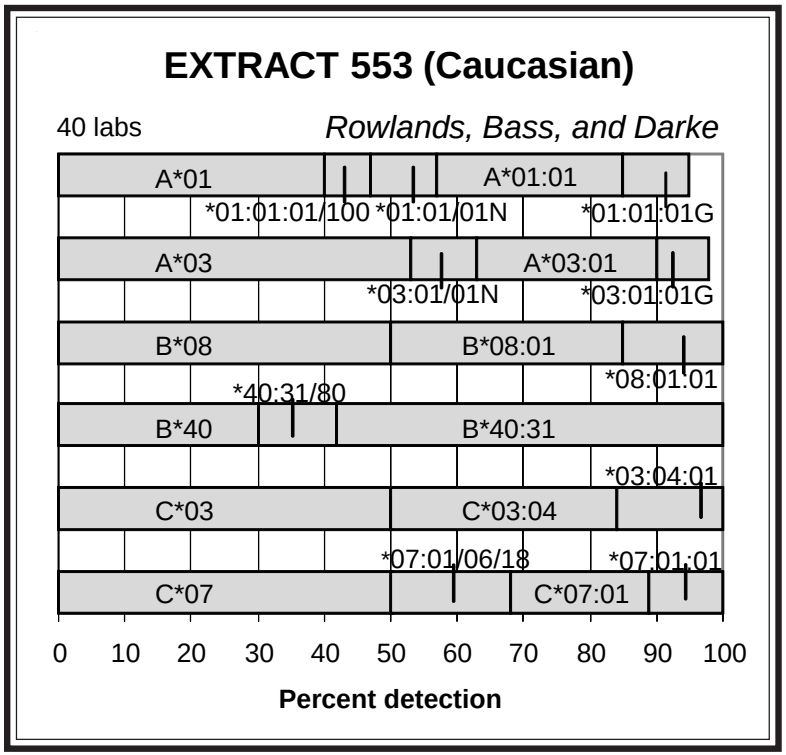
1096	method	#labs	B35	B51	B52	B53	B18	B49	B57	B75	B58	B63	B62	B78	B64	B37	B13	B71	B72	B77	B38	B56
brown	NIH-Std	5	60	80	60	40																
	NIH-Ext	2	100	100	100	100	100															
	AHG	5	80	100	100	100	40	100	40	40		40										
	Luminex	33	100	97	97	97	97	97	94	91	91	97	88	88	73	94	91	91	85	88	85	85
	Flow	2	100	100									100									
	ELISA	3	100	67	100	100	100	100	67	67	67			67	67							

1096	method	#labs	B59	B46	B50	B76	B65	B8	A80	A25	A23	A24	A32	A33	B48	B44	A1	A2	A68	A69	CW9	CW10
brown	NIH-Std	5																				
	NIH-Ext	2																				
	AHG	5																				
	Luminex	33	85	82	82	82	73	70	73	94	91	94	97	70	45	42	45	36	39	33	36	33
	Flow	2																				
	ELISA	3																				

For **serum 1096**, reactivity to B35 and B51 were determined by all methods to be strongly positive. Other 5C specificities, including B52, B53, and B18 were well detected. Labs using antiglobulin, Luminex, and ELISA also reported B49, B57, and B75. Besides reactivity to other B-locus antigens, Luminex reported anti-A23, -A24, -A25, and -A32 reactivity, indicating that this sample had the classic 4c complex, part of the Bw4 epitope.

Extract Exchange

We are grateful for the generosity of **Jane Rowlands, Helen Bass and Christopher Darke, Welsh Blood Service, Pontyclun**, for their donation of the valuable reference cells examined in this study.



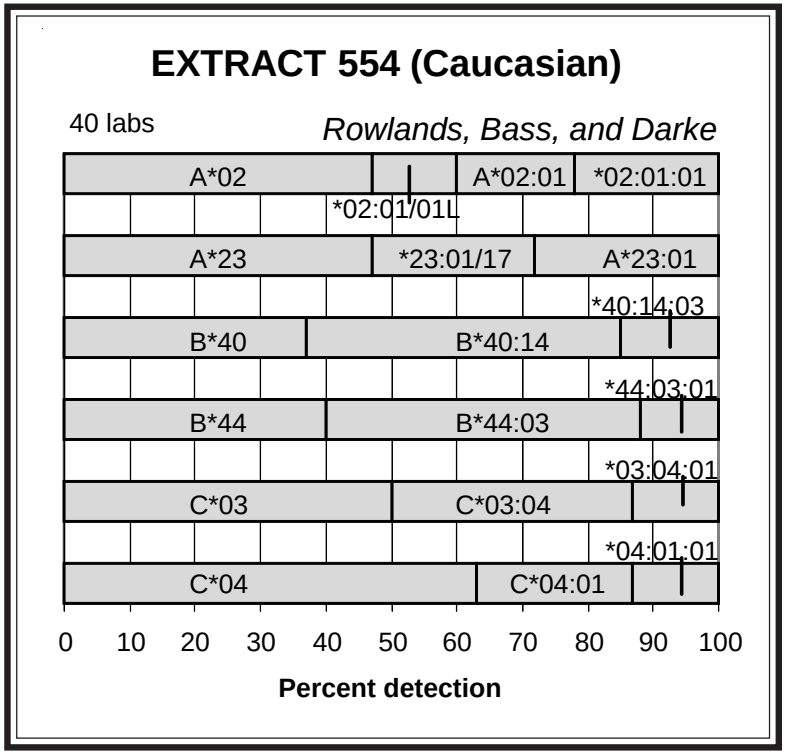
Extract 553. The cell from a Caucasian donor was 33692, the reference cell for the rare B*40:31. It was previously typed as extract 373 (2006). In this retyping, B*40:31 was assigned by 58%, a slight decrease from the 66% detection level attained in 2006. The decline may be due to a number of labs reporting B*40:31/80 (12%). Both B*40:31 and B*40:80 are most homologous to B*40:01. Street et al. stated, “HLA-B*4031 differed from B*4001 by two nucleotides substitutions in exon 3 (position 20 (G to C) and 69 (A to G) resulting in two amino acid differences (Arg to Ser at position 97 and Asn to Asp at position 114)” (6). Lazaro et al. described B*40:80 as differing from B*40:01:01 by only one nucleotide substitution at codon 97 (AGG->AGC) causing an amino acid change (R->S) (7).

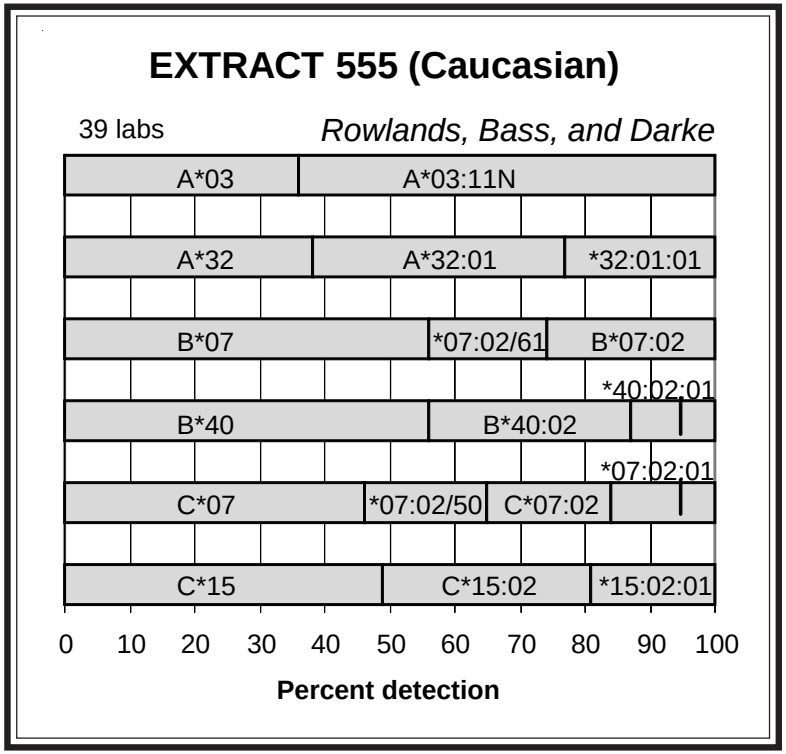
B*08:01 was reported by 50% as the second B-locus allele.

A*01:01 (38%) and A*03:01 (35%) were the A-locus types.

C*03:04 and C*07:01 were reported by 50% and 32%, respectively.

Based on family studies conducted by Street et al., and data from the exchange studies, B*40:31 was on the same haplotype in this donor with A*03:01-C*03:04-DRB1*04:04/32-DRB4*01:01/03/05-DQA1*03-DQB1*03:02. The other class I haplotype was the commonly found A*01:01-B*08:01-C*07:01.





Extract 554. This Caucasian sample was 11169540, a reference cell for B*40:14:03. It was previously typed as extract 374 (2006). In this current study, 63% of the labs were able to detect the rare B*40:14 allele, with 15% assigning B*40:14:03.

B*44:03 was reported by 60%.

A*23:01 was reported by only 27%, a decrease from the 45% detection level in 2006. The decrease was due to the number of labs reporting A*23:01/17 (25%). Anholts et al. described A*23:17 as being most homologous to A*23:01, differing by a single nucleotide substitution in exon 5, at codon 283 (CAC->CCC), resulting in an amino acid change (H->P) (8).

A*02:01 (40%) was assigned as the other A-locus type.

The C-locus types were C*03:04 (50%) and C*04:01 (37%).

The likely associations in this cell were B*40:14-C*03:04 and B*44:03-C*04:01 which has HF=0.01434 in Caucasians, according to the NMDP Bioinformatics website.

Extract 555. This cell from a Caucasian individual was the A*03:11N reference cell, 10913246. It was previously tested as extract 395 in 2007. In the 2007 study, 44% assigned A*03:11N. In this current study, the percentage of labs that were able to detect A*03:11N increased to 64%.

A*32:01 was reported by 62% as the second A-locus type.

The assignment of B*07:02 decreased significantly from the 42% detection level in 2007, to only 26% in this present typing. A number of labs, 18%, were unable to resolve B*07:02 from B*07:61. B*07:61 differs from B*07:02 by a single nucleotide substitution in exon 5, at codon 300 (GGA->AGA), causing an amino acid change from glycine to arginine.

C*07:02 and C*15:02 were reported by 35% and 51%, respectively. Charlton noted the following, “(Sample) 555 has a previously undescribed polymorphism at position 391 in intron which is a K rather than G for both alleles. It is not possible to determine which C* allele carries the polymorphism.”

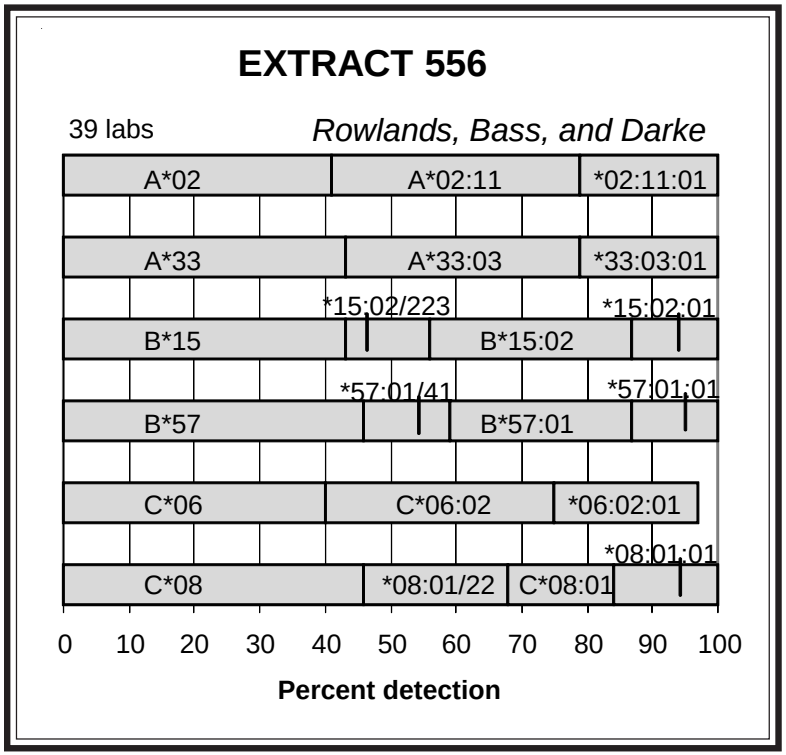
Extract 556. A*02:11 and A*33:03 were assigned by 59% and 57%, respectively.

B*15:02 (44%) and B*57:01 (41%) were the reported B-locus types. B*15:02/223 and B*57:01/41 were assigned by 13%.

More than half the labs, 56%, detected C*06:02. However, the assignment of the second C-locus allele was not as clearly defined, with 32% reporting C*08:01 and another 22% reporting C*08:01/22. In comparing the sequence of C*08:01:01 with C*08:22, Xu et al. explains that C*08:22 differs “from the closest related allele Cw*080101 by one nucleotide exchange at nt2557 (G>A) in exon 6” (9).

The likely associations in this cell were B*57:01-C*06:02 and B*15:02-C*08:01 with HF=0.01990 and HF=0.03496, respectively, in Asians.

This cell was previously typed for class II as Ter 311 (2002) and Ter 413 (2008). From those studies, the probable class II haplotypes in this cell were DRB1*15:04-DRB5*01:01-DQB1*05:02-DQA1*01:02 and DRB1*07:01-DRB4*01:03:01:02N-DQB1*03:03 (*03:03:02)-DQA1*02:01.



Cell 1465. B62 was assigned by 88% as the B15 split in this cell from an Asian donor. Renac noted a short B15 reactivity pattern and Fort commented that the "B62 variant reacted weakly with most of the monospecific anti-B62 monoclonal antibodies." B*15:25 was assigned by 64%, with 12% assigning B*15:25:01.

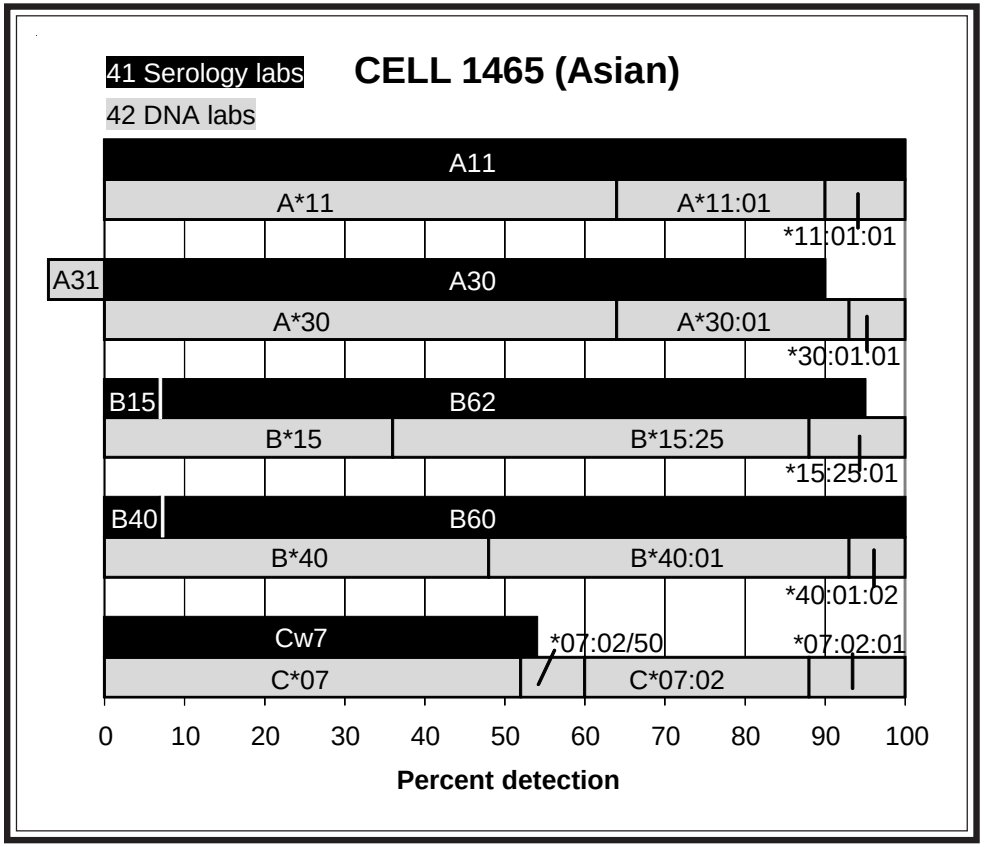
The B40 split was reported as B60 (93%) and confirmed as B*40:01 (52%).

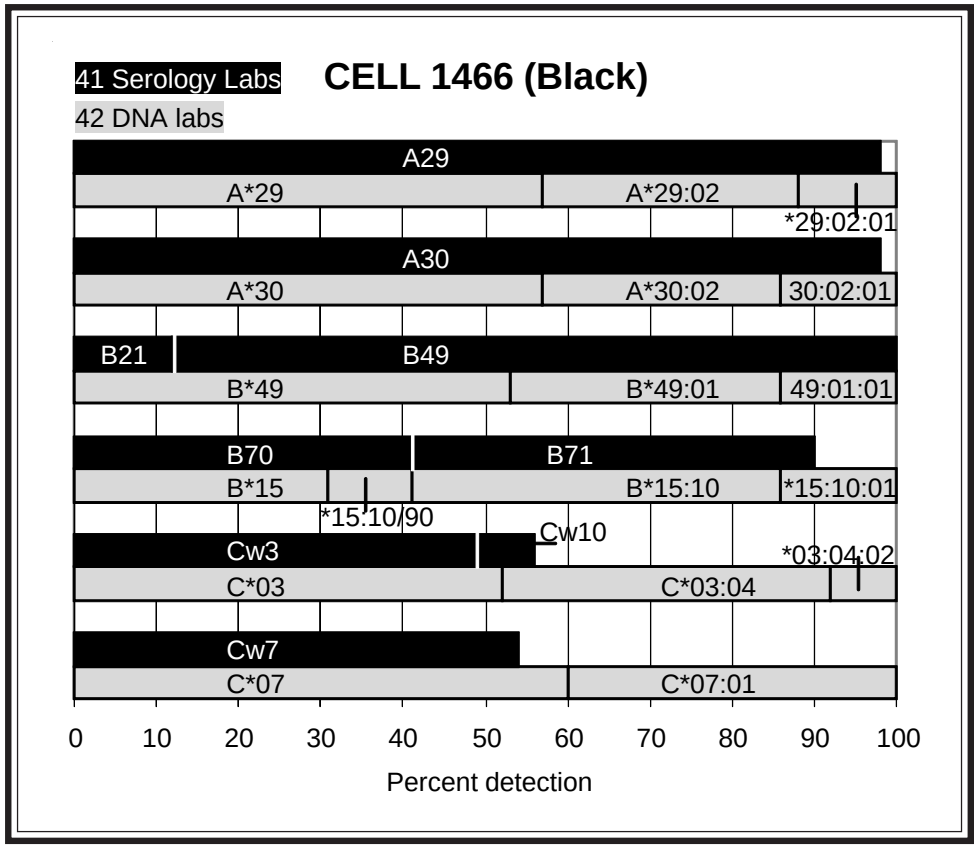
A11 (98%) and A30 (91%) were the A-locus antigens and validated as A*11:01 and A*30:01 by 36%.

Cw7 (54%) was the sole C-locus antigen, with 40% of DNA labs assigning C*07:02.

One likely association in the cell was B*15:25-C*07:02. B*15:25 is usually observed in association with C*04:03, with HF=0.00455, compared to HF=0.00085 for B*15:25-C*0702, in Asians. We have only seen the B*15:25-C*07:02 association once before in cell 861 (1995).

The other probable association in this cell was B*40:01-C*07:02, which is found commonly in Asians, with HF=0.03165.





Cell 1466. This Black cell was previously typed as cells 1130 (2002), 1236 (2005), and 1358 (2009), as correctly identified by Askar, Claas, Fort, Lopez-Cepero, Mah, Pancoska, and Stamm.

In this present typing, A29 and A30 were well typed, by 98%, and confirmed as A*29:02 (*29:02:01) and A*30:02 (*30:02:01) by 43%.

B49 (88%) was reported as the B21 split and validated as B*49:01 (*49:01:01) (47%).

B70 (90%) was the second B-locus antigen, with 49% assigning B71. B*15:10 was reported by 59%.

Cw3 and Cw7 were assigned by 49% and 54%, respectively, and corroborated as C*03:04 (48%) and C*07:01 (40%).

The likely associations in this cell were B*15:10-C*03:04 and B*49:01-C*07:01, with HF= 0.02368 and HF=0.02677, respectively, in Black populations.

Cell 1467. This cell from an Hispanic individual was previously studied as cell 1151 in 2003, as correctly noted by Askar, Lopez-Cepero, Mah, and Stamm.

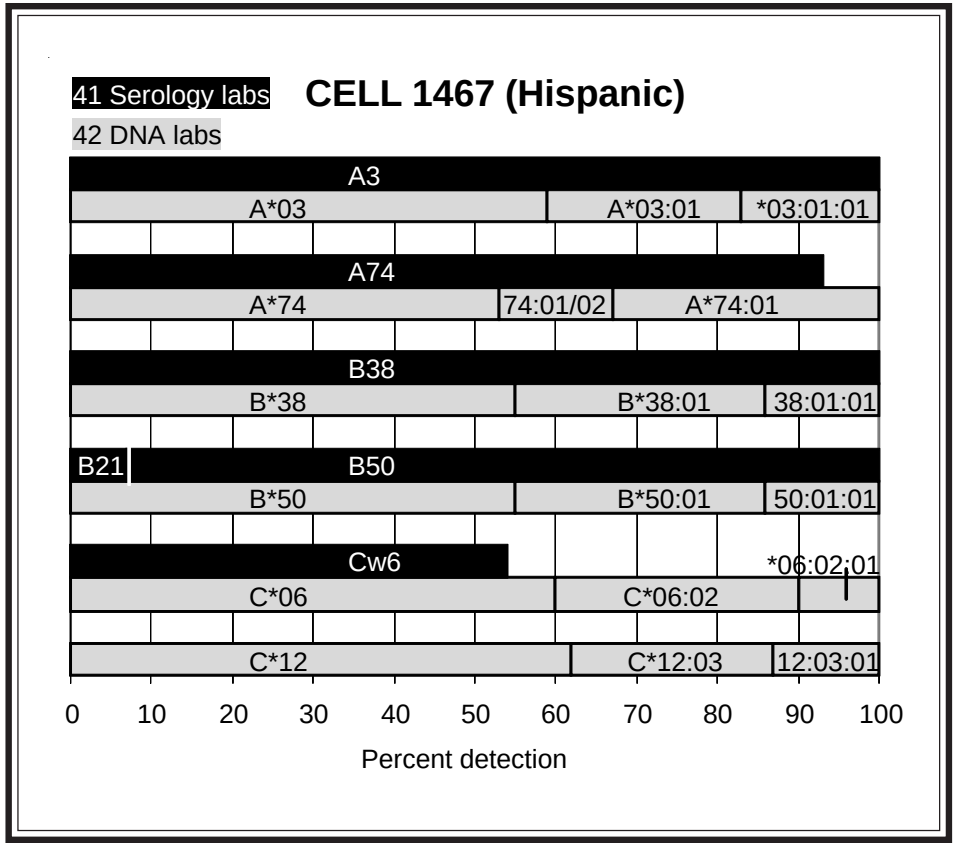
A3 was assigned in complete agreement. It was confirmed as A*03:01 (41%), with 17% assigning A*03:01:01.

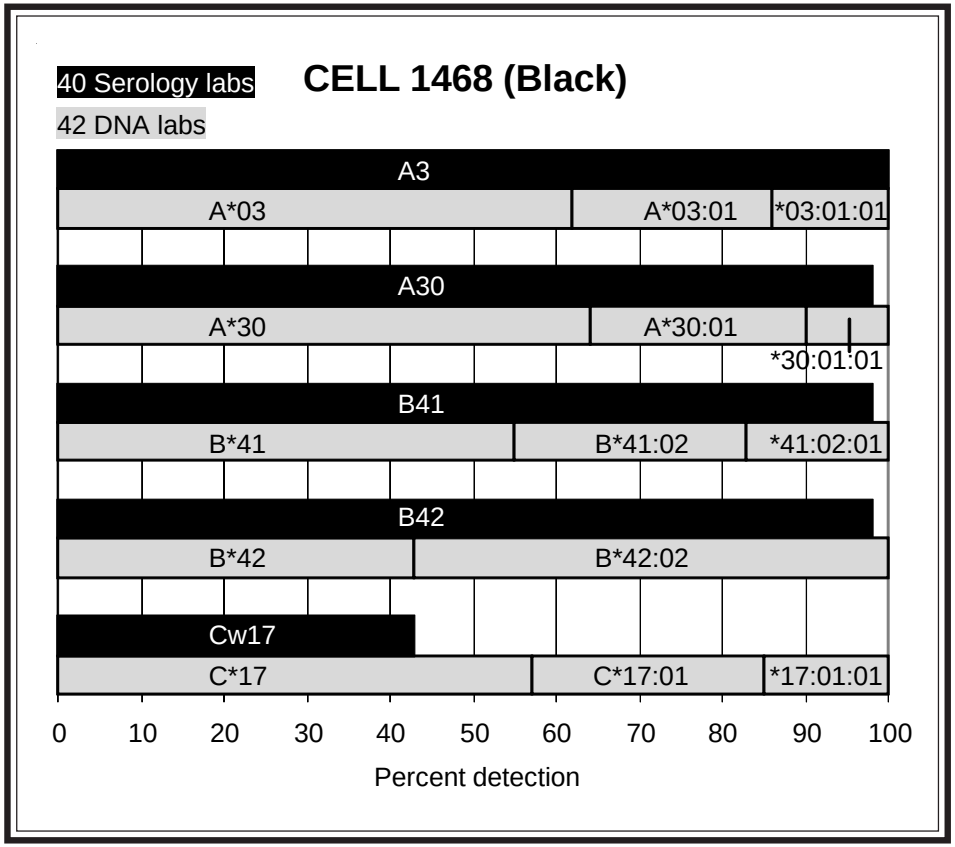
The second A-locus antigen, A74, was reported by 93% and validated as A*74:01 (33%). A*74:01/02 was assigned by 14%. In the 2003 typing, van den Berg-Loonen sequenced exon 1 to distinguish A*74:01 from A*74:02. Based on the findings of Blasczyk et al., "A*7402 differs from A*7401 by a single amino acid substitution in the signal peptide and may be the result of a gene conversation event at the 3' end of exon 1" (10).

B38 (100%) and B50 (93%) were well typed as the B-locus antigens and confirmed as B*38:01 (*38:01:01) (45%) and B*50:01 (*50:01:01) (45%).

Cw6 (54%) was reported as the C-locus antigen. Three serology labs also reported Cw12. C*06:02 and C*12:03 (*12:03:01) were assigned by 40% and 38%, respectively.

One possible association in this cell was B*38:01-C*12:03, with HF= 0.01856. The other was B*50:01-C*06:02, with HF=0.01330. Both associations are commonly found in Hispanic populations.





Cell 1468. This cell from a Black donor was previously typed as cell 1440 (2011), as astutely noted by Class, Dunn, and Stamm. A parent was typed as cell 1397 in 2010.

B41 and B42 were well typed by 98% and validated as B*41:02 (*41:02:01) (45%) and B*42:02 (57%). Claas commented that a variant of B*42:02 may be present in this cell, noting one mismatch in intron 1, position 194 (G->A).

A3 (100%) and A30 (98%) were the A-locus antigens and confirmed as A*03:01 (38%) and A*30:01 (36%).

Cw17 (43%) was reported as the C-locus type. Additional anti-Cw7 reactivity was detected by 4 labs. C*17:01 was assigned by 43%. Cw17 is found in strong linkage disequilibrium with B41 and B42.

From the family study data in the Cell Exchange, the haplotypes in this cell were determined to be A*03:01-B*41:02-C*17:01 and A*30:01-B*42:02-C*17:01, with HF=0.00123 and HF=00583, respectively, in Blacks.

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NEXT MAILING DATE: October 3, 2012

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B-CELL LINE Ter 473

CTR	DIRNAME	DRB1	DRB1X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
5488	Adams,Sharon	*08:04:01	*08:11	*03:19	*04:02:01	*04:01		*01:01:02	*04:01:01	RSSO,SBT,SSP
8070	Ahn,Jaeie	*08	*08	*03	*04			*01	*04	
4691	Ajlan,Abdula	*08:04	*08:11	*03:01/27/28+	*04:02					SSO
2332	Al-Awwami,M	*08:04	*08:11	*03:19	*04:02	*04:01				SSP,SSO
8075	Al-Baz,Nabe	*08:04	*08:11	*03:19	*04:02					SSO
5133	Baker,Judy	*08:04:01	*08:11	*03:19	*04:02:01	*04:01				SBT,SSO
8038	Cao/Cano	*08:04:01	*08:11	*03:19	*04:02:01	*04:01		*01:01:02	*04:01:01/*126:01	SSO,SBT
774	Cecka,J.Mich	*08:04	*08:11	*03:19	*04:02	*04:01				SSP,SSOP
785	Chan,Soh Ha	*08:04	*08:11	*03:01/13/19+	*04:02	*04:01/02+	*06:01/02			SBT
9916	Charlton,Ron	*08:04:01	*08:11	*03:19	*04:02					SSP,SBT
9916	Charlton_LR	*08		*03	*04					SSP
4492	Charron,D.	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	SSO,SSP
3224	Chen,Dongfen	*08:04	*08:11	*03:19	*04:02					SBT
8021	Clark,Brenda	*08:04	*08:11	*03:19	*04:02			*01:01	*04:01	P-SSP,SSO
3632	Colombe,Beth	*08:04	*08:11	*03:19	*04:02	*04:01	*04:01			SSOP,SSP
5130	Costeas,Paul	*08:04	*08:11	*03:19	*04:02	*04:01				SSP
779	Daniel,Claud	*08	*08	*03(DQ7)	*04					P-SSP
5219	Daniel,Dolly	*08	*08	*03	*04					P-SSOP
5323	Dhaliwal,J.S	*08:04	*08:11	*03:19	*04:02	*04:01				SSO
5891	Du,Keming	*08:04	*08:11	*03:19	*04:02					P-SBT
5214	Eckels/CPMC	*08:04	*08	*03:19	*04:02	*04:01		*01:01	*04:01:01G	SSOP
3135	Enczmann,J.	*08:04	*08:11	*03:19	*04:02			*01:01	*04:01	SBT,SSP
762	Fischer/Mayr	*08:04	*08:11	*03:01/19	*04:02	*04:01		*01:01	*04:01	SBT-exons 2,3
4079	Fort,Marylis	*08:04	*08:11	*03:19	*04:02	*04:01				SSO
792	Gandhi,Manis	*08:04	*08:11	*03:19	*04:02	*04:01				SSO,SSP
8043	Gideoni,Osna	*08:04	*08:11	*03:19	*04:02	*04:01				SSP
9002	Gideoni_LR	*08		*03	*04					SSO,SSP
910	Hahn,Amy B.	*08:04	*08:11	*03:19	*04:02					SSP
810	Hamdi,Nuha	*08:04	*08:02	*03:19	*04:02	*04:01	*04:01			SSO
4269	Hanau,Daniel	*08:04:01	*08:11	*03	*04					SSO,+SBT-DR
1461	Hidajat,M.	*08:04	*08:11	*03:19	*04:02			*01:01	*04:01	SSO,SSP
2344	Hurley/Hartz	*08:04:01	*08:11	*03:01:01:01+	*04:02:01			*01:01:02	*04:01:01:01+/*126:01	SBT,SSO
771	Israel,Shosh	*08:04	*08:11	*03:19	*04:02					SSO,SSP
9003	Israel_LR	*08		*03	*04					SSO
794	Jaatinen,Tai	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	SBT,SSO,SSP
859	Kamoun,Malek	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	SBT,SSO,SSP
13	Kapoor/Park	*08:04	*08:11	*03:19	*04:02					SSP
4337	Kim,Tai-Gyu	*08:04	*08:11	*03:01/09/19+	*04:02			*01:01	*04:01/*126:01	SBT
1694	Kissel&Hess	*08		*03:01	*04:02					SSP
168	Klein,Tirza	*08:04	*08:11	*03:19	*04:02					SSO,SSP
9000	Klein_LR	*08	*08	*03	*04					SSO,SSP
87	Land,Geoffre	*08:04	*08:11	*03:19	*04:02	*04:01	*04:01	*01:01	*04:01	SBT,SSO,SSP
725	Lardy,N,M.	*08		*03	*04	*04				SSO,SSP
278	Lee,Jar-How	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	SSP,RVSSOP
5096	Lee,Sun-Ah	*08	*08							SSO
640	Lee,Young K	*08:04	*08:11	*03:01:01G	*04:02	*04:01:01	*04:01:02			P-SBT
6649	Lim,Young Ae	*08								SSP
274	Lo,Raymundo	*08:04	*08	*03:19	*04:02	*04:01	*04:01	*01:01	*04:01	SSO
731	Loewenthal,R	*08:04:01	*08:11	*03	*04					SBT,SSO
759	Lopez-Cepero	*08:02/04+		*03:19	*04:02	*04:01		*01:01	*04:01/*126:01	RVSSO
23	Mah,Helen	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	SSO,SSP
8029	Mani,Rama	*08								SSP

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CTR	DIRNAME	DRB1	DRB1X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
206	McAlack-Hana	*08	*08	*03(DQ7)	*04	*04	*04			RVSSOP
8042	Muncher,Lior	*08:04	*08:11	*03:19	*04:02					SSO,SSP
9001	Muncher_LR	*08		*03	*04					SSOP,SSP
3966	Permpikul&Ve	*08:04	*08:11	*03:19	*04:02					P-SSP
2400	Phelan,Donna	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	RSSO,SBT,SSP
8001	Rao,Prakash	*08:04	*08:11	*03:19	*04:02	*04		*01:01	*04:01	RVSSO,SSP
3753	Reed,Elaine	*08:04	*08:11	*03:19	*04:02	*04:01	*04:01			SBT,RSSO
3798	Reinsmoen,N	*08:04:01	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01/*126:01	SSP,RVSSO,SBT
3519	Renac,Virgi	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	SBT,P-SSP
1160	Rosen-Bronso	*08:04	*08:11	*03:19	*04:02					SSP,SBT
793	Rubocki,Rona	*08		*03(DQ7)	*04			*01:01	*04:01/*120:01N	SSP
4251	Schiller,J	*08:04	*08:11	*03:19	*04:02	*04	*04	*01:01	*04:01	P-RVSSO,SBT
8068	Shanmugam,He	*08	*08	*03	*04					P-SSP
746	Stamm,Luz	*08:04	*08:11	*03:19	*04:02	*04:01	*04:01	*01:01	*04:01	SSO,SSP,SBT
747	Tiercy,Jean-	*08:04:01	*08:11	*03:19	*04:02:01	*04:01		*01:01:02	*04:01:01	RVSSO,SSP,SBT
5451	Tilanus,Marc	*08:04:01	*08:11	*03:19	*04:02:01	*04:01:01	*04:01:02	*01:01:02	*04:01:01	SBT
4021	Trachtenberg	*08	*08	*03:19	*04:02	*04:01				SSO
5462	Turner,E.V.	*08:04	*08:11	*03:19	*04:02			*01:01	*04:01/*120:01N	SSO,SBT,SSP
5642	Varnavidou-N	*08:04	*08:11	*03:19	*04:02					P-SSP
797	Yabe,Hiromasa	*08:04	*08:11	*03:19	*04:02	*04:01				SSO,+SBT-DR
3511	Zeevi,Adrian	*08:04	*08:11	*03:19	*04:02	*04:01		*01:01	*04:01	RVSSOP,SSP

CTR	DIRNAME	DR8	DQ7	DQ4	OTH1	OTH2
4492	Charron,D.	+	DQ3	+	DR4	DR13
910	Hahn,Amy B.	+	+	+	DR4,DR53	DR13,DR14,DR10
54	Pancoska,Car	+	+	+	DR4	DR53
793	Rubocki,Rona	+	+	+		
8063	Shai,Isaac		+	+	DR4,DR11	DR53

B-CELL LINE Ter 473

73 DNA LABS

73 LABS REPORTING DRB1

DRB1*08	24%
DRB1*08:04	62%
DRB1*08:04:01	14%
DRB1*08	100% TOTAL
DRB1*08	27%
DRB1*08:02	2%
DRB1*08:11	71%
DRB1*08	100% TOTAL

70 LABS REPORTING DQB1

DQB1*03	27%
DQB1*03:01	1%
DQB1*03:19	70%
DQB1*03:01:01G	2%
DQB1*03	100% TOTAL
DQB1*04	20%
DQB1*04:02	71%
DQB1*04:02:01	9%
DQB1*04	100% TOTAL

38 LABS REPORTING DQA1

DQA1*04	13%
DQA1*04:01	82%
DQA1*04:01:01	5%
DQA1*04	100% TOTAL
DQA1*04	10%
DQA1*04:01	82%
DQA1*04:01:02	5%
DQA1*04	97% TOTAL

29 LABS REPORTING DPB1

DPB1*01	4%
DPB1*01:01	79%
DPB1*01:01:02	17%
DPB1*01	100% TOTAL
DPB1*04	3%
DPB1*04:01/*120:01N	7%
DPB1*04:01/*126:01	17%
DPB1*04:01	59%
DPB1*04:01:01	10%
DPB1*04:01:01G	4%
DPB1*04	100% TOTAL

5 SEROLOGY LABS

DR8	80%

DQ3	20%
DQ7	80%
DQ3	100% TOTAL
DQ4	100%

B-CELL LINE Ter 474

CTR	DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1	METHOD
5488	Adams,Sharon	*08:16	*13:01:01	*01:01	*04:02:01	*06:03:01	*01:03	*04:01	*02:01:02	*04:01:01	RSSO,SBT,SSP
8070	Ahn,Jaeie	*08	*13		*04	*06			*02	*04	
4691	Ajlan,Abdula	*08:01	*13:01/105/112		*04:02	*06:03/41					SSO
2332	Al-Awwami,M	*08:16	*13:01/69/105+		*04:02	*06:03/41	*01:03	*04:01			SSP,SSO
8075	Al-Baz,Nabe	*08:16	*13:01		*04:02	*06:03					SSO,SSP
5133	Baker,Judy	*08:16	*13:01:01+	*01:01	*04:02:01	*06:03:01	*01:03	*06:01			SSO,SBT
8038	Cao/Cano	*08:16	*13:01:01+	*01:01:02	*04:02:01	*06:03:01	*01:03	*04:01	*02:01:02	*04:01:01/*126:01	SSO,SBT
774	Cecka,J.Mich	*08:16	*13:01/102+	*01:01	*04:02	*06:03/41+	*01:03	*04:01			SSP,SSOP
785	Chan,Soh Ha	*08:16	*13:01/10		*04:02	*06:03/28	*01:03	*04:01/02/04			SBT
9916	Charlton,Ron	*08:16	*13:01:01+	*01:01	*04:02	*06:03/28/44					SSP,SBT
9916	Charlton_LR	*08	*13	*+	*04	*06					SSP
4492	Charron,D.	*08:16	*13:01/105+	*01:01	*04:02	*06:03/28+	*01:03	*04:01	*02:01	*04:01	P-SSO,SSP
3224	Chen,Dongfen	*08:16	*13:01/117	*01:01	*04:02	*06:03					SBT,SSP
8021	Clark,Brenda	*08:16	*13:01/69+	*01-*03	*04:02	*06:03/41			*02:01	*04:01	P-SSP,SSO
3632	Colombe,Beth	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01			SSOP,SSP
5130	Costeas,Paul	*08:01/16	*13:01/92+	*01:01	*04:02	*06:03	*01:03	*04:01			SSP
779	Daniel,Claud	*08	*13	*+	*04	*06					P-SSP
5219	Daniel,Dolly	*08	*13	*+	*04	*06					P-SSOP
5323	Dhaliwal,J.S	*08:16	*13	*01:01	*04:02	*06	*01:03	*04:01			SSP,SSO
5891	Du,Keming	*08:16	*13:01/105+		*04:02/04	*06:03/14					P-SBT
5214	Eckels/CPMC	*08	*13	*01:01	*04:02	*06	*01:03	*04:01	*02:01	*04:01:01G	SSOP
3135	Enczmann,J.	*08:16	*13:01	*01:01	*04:02	*06:03			*02:01	*04:01	SBT,SSP
762	Fischer/Mayr	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SBT-exons 2,3
4079	Fort,Marylis	*08:16	*13:01/105+		*04:02	*06:03/41+	*01:03	*04:01			SSO
792	Gandhi,Manis	*08:01/16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01			SSO,SSP
8043	Gideoni,Osna	*08:16	*13:01		*04:02	*06:03	*01:03	*04:01			SSP
9002	Gideoni_LR	*08	*13		*04	*06					SSO,SSP
910	Hahn,Amy B.	*08:16	*13:01/91+	*01:01	*04:02	*06:03/41+					SSP
810	Hamdi,Nuha	*08:01	*13:01		*04:02	*06:03	*01:03	*04:01			SSO
4269	Hanau,Daniel	*08:16	*13:01/105/117		*04	*06					SSP,+SBT-DR
1461	Hidajat,M.	*08:01	*13:01	*01:01	*04:02	*06:03			*02:01	*04:01	SSO,SSP
2344	Hurley/Hartz	*08:16	*13:01:01/117		*04:02:01	*06:03:01/41/44			*02:01:02	*04:01:01:01+	SBT,SSO
771	Israel,Shosh	*08:16	*13:01		*04:02	*06:03					SSO,SSP
9003	Israel_LR	*08	*13		*04	*06					SSO
794	Jaatinen,Tai	*08:16	*13:01/105+	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SBT,SSO
859	Kamoun,Malek	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SBT,SSO,SSP
13	Kapoor/Park	*08:16	*13:01	*01:01	*04:02	*06:03					SSP
4337	Kim,Tai-Gyu	*08:16	*13:01/117		*04:02	*06:03			*02:01	*04:01+	SBT
1694	Kissel&Hess	*08	*13		*04:02	*06:03					SSP
168	Klein,Tirza	*08:16	*13:01		*04:02	*06:03					SSO,SSP
9000	Klein_LR	*08	*13		*04	*06					SSO,SSP
87	Land,Geoffre	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SBT,SSO,SSP
725	Lardy,N,M.	*08	*13	*+	*04	*06	*01	*04			SSO,SSP
278	Lee,Jar-How	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SSP,RVSSOP
5096	Lee,Sun-Ah	*08	*13								SSO
640	Lee,Young K	*08:16	*13:01		*04:02	*06:03:01G	*01:03	*04:01:01			P-SBT
6649	Lim,Young Ae	*08	*13	*+							SSP
274	Lo,Raymundo	*08	*13		*04:02	*06:40	*01:03	*04:01	*02:01	*04:01	SSO
731	Loewenthal,R	*08:16	*13:01:01		*04	*06					SBT,SSO
759	Lopez-Cepero	*08:01/16+	*13:01/28+	*01:01	*04:02	*06:03/41	*01:03	*04:01	*02:01	*04:01/*126:01	RVSSO
23	Mah,Helen	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SSO,SSP
8029	Mani,Rama	*08	*13	*+							SSP

B-CELL LINE Ter 474

CTR	DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1	METHOD
206	McAlack-Hana	*08	*13	*01	*04	*06	*01	*04			RVSSOP
8042	Muncher,Lior	*08:16	*13:01		*04:02	*06:03					SSO,SSP
9001	Muncher_LR	*08	*13		*04	*06					SSOP,SSP
3966	Permpikul&Ve	*08:16	*13:01	*01:01	*04:02	*06:03					P-SSP
2400	Phelan,Donna	*08:16	*13:01/117	*01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01+	RSSO,SBT,SSP
8001	Rao,Prakash	*08:16	*13:01/102+	*01:01	*04:02	*06:03/41+	*01	*04	*02:01	*04:01+	RVSSO,SSP
3753	Reed,Elaine	*08:16	*13:01/105+	*01:01	*04:02	*06:03	*01:03	*04:01			SBT,RSSO
3798	Reinsmoen,N	*08:16	*13:01:01	*01:01	*04:02	*06:03/41+	*01:03	*04:01	*02:01	*04:01/*126:01+	RVSSO,SBT
3519	Renac,Virgi	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SBT,P-SSP
1160	Rosen-Bronso	*08:16	*13	*01:01	*04:02	*06:03					SSP,SBT,SSO
793	Rubocki,Rona	*08	*13	*+	*04	*06			*02:01+	*04:01+	SSP
4251	Schiller,J	*08:16	*13:01:01G	*01:01	*04:02	*06:03	*01	*04	*02:01	*04:01	P-RVSSO,SBT
8068	Shanmugam,He	*08	*13	*01	*04	*06					P-SSP
746	Stamm,Luz	*08:16	*13:01	*01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	SSO,SSP,SBT
747	Tiercy,Jean-	*08:16	*13:01:01	*01:01	*04:02:01	*06:03:01	*01:03	*04:01	*02:01:02	*04:01:01	RVSSO,SSP,SBT
5451	Tilanus,Marc	*08:16	*13:01:01	*01:01:02	*04:02:01	*06:03:01	*01:03:01	*04:01:01	*02:01:02	*04:01:01	SBT
4021	Trachtenberg	*08	*13	*01	*04:02	*06	*01:03	*04:01			SSO
5462	Turner,E.V.	*08:16	*13:01/105+	*01:01/12+	*04:02	*06:03			*02:01+	*04:01+	SSO,SBT,SSP
5642	Varnavidou-N	*08:16	*13:01/91+	*+	*04:02	*06:03/41/44					P-SSP
797	Yabe,Hiromasa	*08:16	*13:01/105		*04:02	*06:03/41	*01:03	*04:01			SSO,+SBT-DR
3511	Zeevi,Adrian	*08:16	*13:01	*01:01	*04:02	*06:03	*01:03	*04:01	*02:01	*04:01	RVSSOP,SSP

CTR	DIRNAME	DR8	DR13	DR52	DQ4	DQ1	OTH1	OTH2
4492	Charron,D.	+	+	+	+	+	DR18	
910	Hahn,Amy B.		+	+	+	+	DR18	
54	Pancoska,Car	+	+	+	+	+		
793	Rubocki,Rona	+	+	+	+	DQ6		
8063	Shai,Isaac	+	+	+	+	DQ6	DR3	

B-CELL LINE Ter 474 (Caucasian)

73 DNA LABS

73 LABS REPORTING DRB1	
DRB1*08	30%
DRB1*08:01	4%
DRB1*08:16	66%
DRB1*08	100% TOTAL
DRB1*13	51%
DRB1*13:01/105/117	3%
DRB1*13:01/105	2%
DRB1*13:01/117	7%
DRB1*13:01	29%
DRB1*13:01:01	7%
DRB1*13:01:01G	1%
DRB1*13	100% TOTAL

70 LABS REPORTING DQB1	
DQB1*04	21%
DQB1*04:02	70%
DQB1*04:02:01	9%
DQB1*04	100% TOTAL
DQB1*06	32%
DQB1*06:03/41/44	9%
DQB1*06:03/41	7%
DQB1*06:03	43%
DQB1*06:03:01	7%
DQB1*06:03:01G	1%
DQB1*06:40	1%
DQB1*06	100% TOTAL

38 LABS REPORTING DQA1	
DQA1*01	11%
DQA1*01:03	87%
DQA1*01:03:01	2%
DQA1*01	100% TOTAL
DQA1*04	13%
DQA1*04:01	79%
DQA1*04:01:01	5%
DQA1*04	97% TOTAL

47 LABS REPORTING DRB3	
DRB3*+	19%
DRB3*01:01	66%
DRB3*01:01:02	4%
DRB3*01	13%

29 LABS REPORTING DPB1	
DPB1*02	4%
DPB1*02:01/*123:01	7%
DPB1*02:01	72%
DPB1*02:01:02	17%
DPB1*02	100% TOTAL
DPB1*04	4%
DPB1*04:01+	17%
DPB1*04:01/*126:01	14%
DPB1*04:01	52%
DPB1*04:01:01	10%
DPB1*04:01:01G	3%
DPB1*04	100% TOTAL

5 SEROLOGY LABS

DR8	100%
DR13	100%
DR52	100%

DQ4	100%
DQ1	60%
DQ6	40%
DQ1	100% TOTAL

B-CELL LINE Ter 475

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
5488	Adams,Sharon	*03:01	*04:32	*01	*01	*02:01:01	*03:02:01	*03:01	*05:01	*01:01:01	*04:01:01	SSO,SBT,SSP
8070	Ahn,Jaeie	*03	*04			*02	*03			*01	*04	P-SSP
4691	Ajlan,Abdula	*03:01/50	*04:32			*02:01	*03:02					SSO
2332	Al-Awwami,M	*03:01/50	*04:32			*02:01	*03:02	*03:01	*05:01			RVSSO,SSP
8075	Al-Baz,Nabe	*03:01	*04			*02:01	*03:02					SSO,SSP
8038	Cao&Cano	*03:01	*04:32	*01:01:02	*01:03	*02:01:01	*03:02:01	*03:01	*05:01	*01:01:01	*04:01:01G	SSO,SBT
774	Cecka,J.Mich	*03:01/47/56+	*04:32	*01:01	*01:03	*02:01/05	*03:02/32+	*03:01	*05:01			SSP,SSOP
785	Chan,Soh Ha	*03:52	*04:32			*02:01:01+	*03:02:04+	*03:01-03	*05:01/03+			SBT
9916	Charlton,Ron	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02/32/37					SBT,SSP
9916	Charlton_LR	*03	*04	*+	*+	*02	*03					SSP
4492	Charron,D.	*03:01/55/56+	*04:32	*01:01	*01:03	*02:01	*03:02/32+	*03:01	*05:01	*01:01	*04:01	P-SSP,SSO
3224	Chen,Dongfen	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02					SBT,SSP
8021	Clark,Brenda	*03:01/50	*04:32	*01	*01	*02:01	*03:02			*01:01	*04:01	P-SSP,RVSSO
3632	Colombe,Beth	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01			SSOP,SSP
5130	Costeas,Paul	*03:01	*04:04/32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01			SSP
779	Daniel,Claud	*03(DR17)	*04	*+	*+	*02	*03(DQ8)					P-SSP
5219	Daniel,Dolly	*03	*04	*+	*+	*02	*03					P-SSOP
8052	Del Pozo,Ana	*03	*04:04/32			*02:01	*03:02/32	*03:01	*05:01			P-SSO
5323	Dhaliwal,J.S	*03:01/28+	*04:32	*01:01	*01:03	*02	*03					P-SSP
5891	Du,Keming	*03:01/50+	*04:32/04			*02:01	*03:02					P-SBT
5214	Eckels/CPMC	*03(DR17)	*04	*01	*01	*02:01	*03(DQ8)	*03:01	*05:01	*01:01	*04:01:01G	SSOP
3135	Enczmann,J.	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02			*01:01	*04:01	SBT,P-SSP
762	Fischer/Mayr	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03	*05	*01:01	*04:01	SSO,SSP,SBT
4079	Fort,Marylis	*03:01/50/61	*04:32			*02:01	*03:02/37	*03:01	*05:01			P-SSO
792	Gandhi,Manis	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01			SSO,SSP
8043	Gideoni,Osna	*03:01	*04:32			*02:01	*03:02/32	*03:01	*05:01			SSP
9002	Gideoni_LR	*03	*04			*02	*03					SSOP,SSP
910	Hahn,Amy B.	*03:01/47/56+	*04:32	*01:01	*01:03	*02:01/05	*03:02/32/37					SSP
810	Hamdi,Nuha	*03:01	*04:04			*02:01	*03:02	*03:01	*05:01			SSO
4269	Hanau,Daniel	NT										
1461	Hidajat,M.	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02			*01:01	*04:01	SSO,SSP
2344	Hurley/Hartz	*03:01:01:01+	*04:32			*02:01:01	*03:02:01			*01:01:01	*04:01:01G	SBT,SSO
771	Israel,Shosh	*03:01	*04:32			*02:01	*03:02					RVSSO,SSP
9003	Israel_LR	*03	*04			*02	*03					RVSSO
859	Kamoun,Malek	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SBT,SSO,SSP
13	Kapoor/Park	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02					SSP
4337	Kim,Tai-Gyu	*03:01	*04:32			*02:01/04+	*03:02/32			*01:01	*04:01:01G	SBT
1694	Kissel&Hess	*03	*04			*02:01	*03:02					SSP
168	Klein,Tirza	*03:01	*04:32			*02:01	*03:02					P-SSP
9000	Klein_LR	*03	*04			*02	*03					P-SSO
87	Land,Geoffre	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SBT,SSO,SSP
725	Lardy,N,M.	*03	*04	*+	*+	*02	*03	*03	*05			SSO,SSP
278	Lee,Jar-How	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SSP,RVSSOP
5096	Lee,Sun-Ah	*03	*04									SSOP
640	Lee,Young K	*03:01	*04:32			*02:01:01G	*03:02:01G	*03:01:01	*05:01:01			P-SBT
6649	Lim,Young Ae	*03(DR17)	*04	*+	*+							SSP
274	Lo,Raymundo	*03	*04			*03:02	*03:02	*03:01	*05:01	*01:01	*04:01	SSO
731	Loewenthal,R	*03:01	*04:32			*02:01	*03:02					SBT,SSO
759	Lopez-Cepero	*03:01/13/18+	*04:32/04	*01:01	*01:01	*02:01	*03:02/32	*03:01	*05:01	*01:01	*04:01	RVSSO
23	Mah,Helen	*03:01	*04:32	*01:01	*01	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SSO,SSP
8029	Mani,Rama	*03	*04	*+	*+							P-SSP
206	McAlack-Hana	*03(DR17)	*04	*01	*01	*02	*03(DQ8)	*03	*05			RVSSOP

B-CELL LINE Ter 475

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
8042	Muncher,Lior	*03:01	*04:32			*02:01	*03:02					SSO,SSP
9001	Muncher_LR	*03	*04			*02	*03					SSO,SSP
3966	Permpikul&Ve	*03:01/32	*04:32	*01:01	*01:03	*02:01	*03:02					P-SSP
2400	Phelan,Donna	*03:01	*04:32	*01	*01	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SSO,SBT,SSP
8001	Rao,Prakash	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02/37	*03	*05	*01:01	*04:01	RVSSO,SSP
3753	Reed,Elaine	*03:01/42/50	*04:32	*01:01/11	*01:01/03+	*02:01	*03:02	*03:01	*05:01			SBT,SSO
3798	Reinsmoen,N	*03:01	*04:32	*01:01/11	*01:01/03+	*02:01	*03:02/37	*03:01	*05:01	*01:01	*04:01:01G	SSP,SSO,SBT
3519	Renac,Virgi	*03:01/68N	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SBT,P-SSP
1160	Rosen-Bronso	*03	*04:32	*01:01	*01:03	*02:01	*03:02					SSP,SBT
793	Rubocki,Rona	*03(DR17)	*04	*+	*+	*02	*03(DQ8)			*01:01	*04:01+	SSP
4251	Schiller,J	*03:01	*04:32	*01:01/11	*01:01/03+	*02:01	*03:02	*03	*05	*01:01	*04:01	P-RVSSO,SBT
8068	Shanmugam,He	*03	*04	*01	*01	*02	*03					P-SSP
746	Stamm,Luz	*03:01	*04:32	*01	*01	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	SSO,SSP,SBT
5451	Tilanus,Marc	*03:01	*04:32	*01:01:02	*01:03:01	*02:01:01	*03:02:01	*03:01:01	*05:01:01	*01:01:01	*04:01:01	SBT
4021	Trachtenberg	*03	*04	*01	*01	*02:01	*03	*03:01	*05:01			SSO,SSP
5462	Turner,E.V.	*03:01/68N	*04:32	*01:01	*01:03	*02:01	*03:02/37	*03:01	*05:01	*01:01	*04:01+	SEQ,SSO,SSP
797	Yabe,Hiromasa	*03:01	*04:32			*02:01	*03:02	*03:01	*05:01			SSO,+SBT-DR
3511	Zeevi,Adrian	*03:01	*04:32	*01:01	*01:03	*02:01	*03:02	*03:01	*05:01	*01:01	*04:01	RVSSOP,SSP

CTR	DIRNAME	DR17	DR4	DR52	DR53	DQ2	DQ8	OTH1	OTH2
4492	Charron,D.	+	+	+	+	+	DQ3		
910	Hahn,Amy B.	+	+	+	+	+	+		
54	Pancoska,Car	+	+	+	+	+	+		
793	Rubocki,Rona	+	+	+	+	+	+		
8063	Shai,Isaac	NT							

B-CELL LINE Ter 475 (Caucasian)

69 DNA LABS

69 LABS REPORTING DRB1	
DRB1*03	51%
DRB1*03:01	48%
DRB1*03:52	1%
DRB1*03	100% TOTAL
DRB1*04	35%
DRB1*04:04	1%
DRB1*04:32	64%
DRB1*04	100% TOTAL

66 LABS REPORTING DQB1	
DQB1*02	26%
DQB1*02:01	65%
DQB1*02:01:01	6%
DQB1*02:01:01G	1%
DQB1*02	98% TOTAL
DQB1*03	23%
DQB1*03:02/32/37	6%
DQB1*03:02/32	6%
DQB1*03:02/37	6%
DQB1*03:02	51%
DQB1*03:02:01	6%
DQB1*03:02:01G	2%
DQB1*03	100% TOTAL

36 LABS REPORTING DQA1	
DQA1*03	17%
DQA1*03:01	78%
DQA1*03:01:01	5%
DQA1*03	100% TOTAL
DQA1*05	17%
DQA1*05:01	78%
DQA1*05:01:01	5%
DQA1*05	100% TOTAL

44 LABS REPORTING DRB3	
DRB3*+	16%
DRB3*01:01	54%
DRB3*01:01:02	5%
DRB3*01	25%

44 LABS REPORTING DRB4	
DRB4*+	16%
DRB4*01:01	2%
DRB4*01:03	52%
DRB4*01:03:01	2%
DRB4*01	28%

27 LABS REPORTING DPB1	
DPB1*01	4%
DPB1*01:01	81%
DPB1*01:01:01	15%
DPB1*01	100% TOTAL
DPB1*04	4%
DPB1*04:01+	7%
DPB1*04:01	63%
DPB1*04:01:01	7%
DPB1*04:01:01G	19%
DPB1*04	100% TOTAL

4 SEROLOGY LABS

DR17	100%
DR4	100%
DR52	100%
DR53	100%

DQ2	100%
DQ3	25%
DQ8	75%
DQ3	100% TOTAL

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CTR	DIRNAME	DRB1	DRB1X	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
5488	Adams,Sharon	*04:10:01	*07:01:01	*01	*02:02	*04:02:01	*02:01	*03:03	*01:01:01	*04:02:01	SSO,SBT,SSP
8070	Ahn,Jaeie	*04	*07		*02	*04			*01	*04	P-SSP
4691	Ajlan,Abdula	*04:10	*07:01		*02:02	*04:02					SSO
2332	Al-Awwami,M	*04:10	*07:01		*02:02	*04:02	*02:01	*03:01-03			RVSSO,SSP
8075	Al-Baz,Nabe	*04:10	*07:01		*02:02	*04:02					SSO,SSP
8038	Cao&Cano	*04:10	*07:01:01	*01:03	*02:02	*04:02:01	*02:01	*03:01-03	*01:01:01	*04:02:01/*105:01	SSO,SBT
774	Cecka,J.Mich	*04:10	*07:01/18-21	*01:03/07+	*02:02/06	*04:02	*02:01	*03:03			SSP,SSOP
785	Chan,Soh Ha	*04:05	*07:01		*02:02	*04:02	*02:01	*03:01-03			SBT
9916	Charlton,Ron	*04:10	*07:01:01	*01:03	*02:02/06	*04:02					SBT,SSP
9916	Charlton_LR	*04	*07	*+	*02	*04					SSP
4492	Charron,D.	*04:10	*07:01	*01:03	*02:02/06	*04:02	*02:01	*03:03	*01:01	*04:02	P-SSP,SSO
3224	Chen,Dongfen	*04:10	*07:01	*01:03	*02:02	*04:02					SBT,SSP
8021	Clark,Brenda	*04:10	*07:01	*01	*02:02	*04:02			*01:01	*04:02	P-SSP,RVSSO
3632	Colombe,Beth	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:01-03			SSOP,SSP
5130	Costeas,Paul	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03			SSP
779	Daniel,Claud	*04	*07	*+	*02	*04					P-SSP
5219	Daniel,Dolly	*04	*07	*+	*02	*04					P-SSOP
8052	Del Pozo,Ana	*04:10	*07		*02:02/06	*04:02	*02:01	*03:01-03			P-SSO
5323	Dhaliwal,J.S	*04:10	*07:01/08-17	*01:03	*02	*04					P-SSP
5891	Du,Keming	*04:10	*07:01		*02:02	*04:02					P-SBT
5214	Eckels/CPMC	*04:10	*07	*01	*02	*04:02	*02:01	*03	*01:01	*04:02:01G	SSOP
3135	Enczmann,J.	*04:10	*07:01	*01:03	*02:02	*04:02			*01:01	*04:02	SBT,P-SSP
762	Fischer/Mayr	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03	*01:01	*04:02	SSO,SSP,SBT
4079	Fort,Marylis	*04:10	*07:01		*02:02	*04:02	*02:01	*03:01-03			P-SSO
792	Gandhi,Manis	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03			SSO,SSP
8043	Gideoni,Osna	*04:10	*07:01		*02:02/06	*04:02	*02:01	*03:03			SSP
9002	Gideoni_LR	*04	*07		*02	*04					SSOP,SSP
910	Hahn,Amy B.	*04:10	*07:01/18-21	*01:03	*02:02/06	*04:02					SSP
810	Hamdi,Nuha	*04:10	*07:16		*02:02	*04:02	*02:01	*03:01			SSO
4269	Hanau,Daniel	NT									
1461	Hidajat,M.	*04:10	*07:01	*01:03	*02:02	*04:02			*01:01	*04:02	SSO,SSP
2344	Hurley/Hartz	*04:10:01	*07:01:01:01+		*02:02/06	*04:02:01			*01:01:01	*04:02:01:01+/*105:01	SBT,SSO
771	Israel,Shosh	*04:10	*07:01		*02:02	*04:02					RVSSO,SSP
9003	Israel_LR	*04	*07		*02	*04					RVSSO
859	Kamoun,Malek	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03	*01:01	*04:02	SBT,SSO,SSP
13	Kapoor/Park	*04:10	*07:01	*01:03	*02:02	*04:02					SSP
4337	Kim,Tai-Gyu	*04:10	*07:01		*02:02/04+	*04:02			*01:01	*04:02/*105:01	SBT
1694	Kissel&Hess	*04	*07		*02:02	*04:02					SSP
168	Klein,Tirza	*04:10	*07:01		*02:02	*04:02					P-SSP
9000	Klein_LR	*04	*07		*02	*04					P-SSO
87	Land,Geoffre	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03	*01:01	*04:02	SBT,SSO,SSP
725	Lardy,N,M.	*04	*07	*+	*02	*04	*02	*03			SSO,SSP
278	Lee,Jar-How	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03	*01:01	*04:02	SSP,RVSSOP
5096	Lee,Sun-Ah	*04	*07								SSOP
640	Lee,Young K	*04:10	*07:01		*02:01:01G	*04:02	*02:01	*03:03			P-SBT
6649	Lim,Young Ae	*04	*07	*+							SSP
274	Lo,Raymundo	*04:40	*07		*04:02	*04:02	*02:01	*03	*01:01	*75:01	SSO
731	Loewenthal,R	*04:10	*07:01:01		*02:02	*04:02/04					SBT,SSO
759	Lopez-Cepero	*04:10	*07:01/03/05+	*01:01	*02:02/06	*04:02	*02:01	*03:01-03	*01:01	*04:02	RVSSO
23	Mah,Helen	*04:10	*07:01	*01	*02:02	*04:02	*02:01	*03:01-03	*01:01	*04:02	SSO,SSP
8029	Mani,Rama	*04	*07	*+							P-SSP
206	McAlack-Hana	*04	*07	*01	*02	*04	*02	*03			RVSSOP

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CTR	DIRNAME	DRB1	DRB1X	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
8042	Muncher,Lior	*04:10	*07:01		*02:02	*04:02					SSO,SSP
9001	Muncher_LR	*04	*07		*02	*04					SSO,SSP
3966	Permpikul&Ve	*04:10	*07:01	*01:03	*02:02	*04:02					P-SSP
2400	Phelan,Donna	*04:10	*07:01	*01	*02:02	*04:02	*02:01	*03:01:01G	*01:01	*04:02	SSO,SBT,SSP
8001	Rao,Prakash	*04:10	*07:01	*01:03/08	*02:02	*04:02	*02	*03	*01:01	*04:02	RVSSO,SSP
3753	Reed,Elaine	*04:10	*07:01	*01:01/03+	*02:02	*04:02	*02:01	*03:01-03			SBT,SSO
3798	Reinsmoen,N	*04:10:01	*07:01:01	*01:03	*02:02	*04:02	*02:01	*03:01-03	*01:01	*04:02/*105:01	SSP,RVSSO,SBT
3519	Renac,Virgi	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03	*01:01	*04:02	SBT,P-SSP
1160	Rosen-Bronso	*04:10	*07:01	*01:03	*02:02	*04:02					SSP,SBT
793	Rubocki,Rona	*04	*07	*+	*02	*04			*01:01	*04:02	SSP
4251	Schiller,J	*04:10	*07:01	*01:01/03+	*02:02	*04:02	*02	*03	*01:01	*04:02	P-RVSSO,SBT
8068	Shanmugam,He	*04	*07	*01	*02	*04					P-SSP
746	Stamm,Luz	*04:10	*07:01	*01	*02:02	*04:02	*02:01	*03	*01:01	*04:02	SSO,SSP,SBT
5451	Tilanus,Marc	*04:10:01	*07:01:01	*01:03:01	*02:02	*04:02:01	*02:01	*03:03:01	*01:01:01	*04:02:01	SBT
4021	Trachtenberg	*04	*07	*01	*02:02	*04:02	*02:01	*03			SSO
5462	Turner,E.V.	*04:10:01	*07:01:01	*01:03	*02:01	*04:02	*02:01	*03	*01:01	*04:02	SEQ,SSO,SSP
797	Yabe,Hiromasa	*04:10	*07:01		*02:02	*04:02	*02:01	*03:01-03			SSO,+SBT-DR
3511	Zeevi,Adrian	*04:10	*07:01	*01:03	*02:02	*04:02	*02:01	*03:03	*01:01	*04:02	RVSSOP,SSP

CTR	DIRNAME	DR4	DR7	DR53	DQ2	DQ4	OTH1	OTH2
4492	Charron,D.	+	+	+	+	+		
910	Hahn,Amy B.	+	+	+	+	+		
54	Pancoska,Car	+	+	+	+	+		
793	Rubocki,Rona	+	+	+	+	+		
8063	Shai,Isaac	NT						

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69 DNA LABS

69 LABS REPORTING DRB1	
DRB1*04	25%
DRB1*04:05	1%
DRB1*04:10	65%
DRB1*04:10:01	8%
DRB1*04:40	1%
DRB1*04	100% TOTAL
DRB1*07	35%
DRB1*07:01	52%
DRB1*07:01:01	12%
DRB1*07:16	1%
DRB1*07	100% TOTAL

66 LABS REPORTING DQB1	
DQB1*02	23%
DQB1*02:02/06	12%
DQB1*02:01	1%
DQB1*02:02	61%
DQB1*02:01:01G	1%
DQB1*02	98% TOTAL
DQB1*04	21%
DQB1*04:02	73%
DQB1*04:02:01	6%
DQB1*04	100% TOTAL

36 LABS REPORTING DQA1	
DQA1*02	11%
DQA1*02:01	89%
DQA1*02	100% TOTAL
DQA1*03	55%
DQA1*03:01	3%
DQA1*03:03	36%
DQA1*03:03:01	3%
DQA1*03:01:01G	3%
DQA1*03	100% TOTAL

44 LABS REPORTING DRB4	
DRB4*+	16%
DRB4*01:01	2%
DRB4*01:03	50%
DRB4*01:03:01	2%
DRB4*01	30%

27 LABS REPORTING DPB1	
DPB1*01	4%
DPB1*01:01	81%
DPB1*01:01:01	15%
DPB1*01	100% TOTAL
DPB1*04	4%
DPB1*04:02/*105:01	11%
DPB1*04:02:01/*105:01	4%
DPB1*04:02	66%
DPB1*04:02:01	7%
DPB1*04:02:01G	4%
DPB1*04	96% TOTAL

4 SEROLOGY LABS

DR4	100%	DQ2	100%
DR7	100%	DQ4	100%
DR53	100%		

	**** Serum 1089 ****			**** Serum 1090 ****			**** Serum 1091 ****			**** Serum 1092 ****			
Investigator	% POS	A2	Other	% POS	A2	Other	% POS	A2	Other	% POS	A2	Other	Method
Claas, F.H.J.	67	+		42	+		12	+		46	+		STD
Hogan, Patrick		+			+			+			+		STD
Watson, Narelle	39	+	A68	6	+		6	+	A68	39	+		STD

	**** Serum 1089 ****			**** Serum 1090 ****			**** Serum 1091 ****				**** Serum 1092 ****				
Investigator	% POS	A2	Other	% POS	A2	Other	% POS	A2	A28	Other	% POS	A2	A68	A28	Other	Method
Askar, Medhat Z	34	+		29	+		23	+			31	+	+			EXT
Dunn, Paul		+	B57,B58,B41		+	A68		+				+	+		B57,B58	EXT
Lardy, N.M.	43	+		39	+		46	+	+		43	+		+		EXT
Suciu-Foca, Nic	25	+	B17	28	+	A28	33	+	+		50	+		+	B17	EXT

*** Serum 1089 ***
3 typing Labs

Antigen	Consensus	Inclusion
A2	100%	76%
A68	33%	20%

*** Serum 1090 ***
3 typing Labs

Antigen	Consensus	Inclusion
A2	100%	48%

*** Serum 1091 ***
3 typing Labs

Antigen	Consensus	Inclusion
A2	100%	22%
A68	33%	25%

*** Serum 1092 ***
3 typing Labs

Antigen	Consensus	Inclusion
A2	100%	99%

Method: NIH-Std

*** Serum 1089 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	97%
B17	25%	100%
B41	25%	100%
B57	25%	100%
B58	25%	100%

*** Serum 1090 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A28	25%	100%
A68	25%	100%

*** Serum 1091 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	90%
A28	50%	56%

*** Serum 1092 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	97%
A68	50%	100%
A28	50%	33%
B17	25%	100%
B57	25%	100%
B58	25%	100%

Method: NIH-Ext

	**** Serum 1089 ****				**** Serum 1090 ****				**** Serum 1091 ****					**** Serum 1092 ****					
Investigator	% POS	A2		Other	% POS	A2	B57	Other	% POS	A2	A69	A68	Other	% POS	A2	B57	B58	Other	Method
Gandhi, Manish		+			NT					+					+				AHG
Hahn, Amy B. Ph		+		B57,B58,B41		+	+	A68,A69		+	+	+			+	+	+	A68,A69	AHG
Mah, Helen		+		A11,B49,A33,B42	22	+	+	B58	28	+	+	+		60	+	+	+	A11	AHG
Suciu-Foca, Nic	25	+		B21,A28,B12,B17	20	+		A28	35	+			A28	60	+			A9,A28,B17	AHG

	**** Serum 1089 ****				**** Serum 1090 ****			**** Serum 1091 ****			**** Serum 1092 ****					
Investigator	% POS	A2	B41	Other	% POS	A2	Other	% POS	A2	Other	% POS	A2	A28	A68	Other	Method
Dunk, Arthur		+				+			+			+	+	+		OTH
McCluskey, Jame	34	+	+		24	+		10	+		27	+				OTH

*** Serum 1089 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	74%
A28	25%	100%
A33	25%	100%
B12	25%	100%
B17	25%	100%
B21	25%	100%
B41	25%	100%
B42	25%	100%
B57	25%	100%
B58	25%	100%
A11	25%	79%
B49	25%	67%

*** Serum 1090 ***
3 typing Labs

Antigen	Consensus	Inclusion
A2	100%	53%
B57	67%	50%
A28	33%	100%
A68	33%	100%
A69	33%	100%
B58	33%	12%

*** Serum 1091 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	63%
A69	50%	100%
A68	50%	60%
A28	25%	100%

*** Serum 1092 ***
4 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
B57	50%	100%
B58	50%	62%
A28	25%	100%
A68	25%	100%
A69	25%	100%
A9	25%	100%
B17	25%	100%
A11	25%	79%

Method: Antiglobulin

*** Serum 1089 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
B41	50%	100%

*** Serum 1090 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	88%

*** Serum 1091 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	38%

*** Serum 1092 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A28	50%	100%
A68	50%	100%

Method: Other

**** Serum 1089 ****

Investigator	% POS	A2	A69	B42	B57	B41	B45	B55	B58	B60	B37	B49	B50	B67	B8	B39	B47	B38	B54	A43	B59	B13	A29	A11	A32	CW15	B62	A25	A3	A36	B51	B52	B18	B63	A74	Other	Method
Al-Attas, Rabat		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX
Askar, Medhat Z	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+							A203,A1101,A1102	LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+													LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	B64,B65,A1101,A1102	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+													LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+					+		LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B44 >	LMX
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX
Hamdi, Nuha	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Harville, Terry		+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+													LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+			+	+													LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B44,B27,B82,B64 >	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+		A203,B27,B64,B65 >	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Klein, Tirza	70	+	+	+	+	+	+	+	+	+	+	+		+					+																	B46,B71	LMX
Loewenthal MD,	84	+	+	+	+	+	+	+	+			+	+	+	+							+					+									B61,B27,B72	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+		+	+	+	+	+	+	+	+	+	A203,B44,B27,B53 >	LMX
McAlack-Hanau,	86	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+													LMX
McCluskey, Jame	26	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+		+	+									+			A203,A1101,A1102	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B44,B27,B64,B65 >	LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+													LMX
Pancoska, Carol		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+													LMX
Permpikul, Vejt	67	+	+	+	+				+	+				+		+		+																		A23,CW7,CW8	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+											LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B64,B65	LMX
Rosen-Bronson,	86	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+				LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B44,B27,B64,B65	LMX
Tabary, Thierry	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	+	+	+	+	+				A1101,A1102	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+													LMX
Vidan-Jeras, Bl		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+					LMX

**** Serum 1090 ****

Investigator	% POS	A68	A69	B57	A2	B58	A24	A203	A2403	Other
Al-Attas, Rabab		+	+	+	+	+				
Al-Baz, Nabeela		+	+	+	+	+	+			A2C
Askar, Medhat Z	67	+	+	+	+	+	+	+	+	
Baker, Judy		+	+	+	+	+	+			
Dunn, Paul		+	+	+	+	+	+	+	+	
Eckels/CPMC,		+	+	+	+	+				
Fort, Marylise		+	+	+	+	+	+			
Gandhi, Manish		+	+	+	+	+	+			A11,A23,CW17
Hahn, Amy B. PH		+	+	+	+	+	+			
Hamdi, Nuha	45	+	+	+	+	+	+			
Harville, Terry		+	+	+	+	+				
Hogan, Patrick		+	+	+	+	+				
Holdsworth, Rhc		+	+	+	+	+	+			
JunHe,		+	+	+	+	+	+	+	+	
Kapoor, Parkmar		+	+	+	+	+	+			
Klein, Tirza	46	+	+	+	+					B63
Loewenthal MD,	44	+	+	+	+	+				
Mah, Helen		+	+	+	+	+	+	+	+	A23,A1102
McAlack-Hanau,	61	+	+	+	+	+				
McCluskey, Jame	9	+	+	+	+	+		+		
Mpuntsha, Loyis		+	+	+	+	+	+			
Pais, Maria Lui		+	+	+	+	+				
Pancoska, Carol		+	+	+	+	+				
Permpikul, Vejt	45	+	+	+	+	+				
Phelan, Donna		+	+	+		+				A2C
Ramon, Daniel F		+	+	+	+	+	+			
Rosen-Bronson,	61	+	+	+	+	+	+			
Suciu-Foca, Nic		+	+	+	+	+	+			
Tabary, Thierry	45	+	+	+	+	+				
Turner, E.V. PH		+	+	+	+	+				
Vidan-Jeras, Bl		+	+	+	+	+	+			

**** Serum 1091 ****

Investigator	% POS	A2	A68	A69	A1	A36	A24	B8	B57	A34	A23	B58	B59	A2403	A203	A66	A6601	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+									LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+					A2C	LMX
Askar, Medhat Z	85	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+							LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Eckels/CPMC,		+	+	+	+	+	+							+					LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+				+		LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+			+		A25,B46	LMX
Hahn, Amy B. PH		+	+	+	+	+	+	+	+	+	+	+	+						LMX
Hamdi, Nuha	44	+	+	+	+	+	+	+	+	+									LMX
Harville, Terry		+	+	+	+	+										+			LMX
Hogan, Patrick		+	+	+	+	+	+	+	+		+								LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+			+	+		LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+								LMX
Klein, Tirza	36	+	+	+															LMX
Loewenthal MD,	60	+	+	+	+	+													LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	A25	LMX
McAlack-Hanau,	84	+	+	+	+	+	+	+	+										LMX
McCluskey, Jame	15	+	+	+	+	+	+	+	+			+		+	+				LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+			+		B76	LMX
Pais, Maria Lui		+	+	+	+	+													LMX
Pancoska, Carol		+	+	+	+	+	+	+	+										LMX
Permpikul, Vejt	45	+	+	+					+			+						B55	LMX
Phelan, Donna		+	+	+	+	+	+	+		+									LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+						LMX
Rosen-Bronson,	82	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+						LMX
Tabary, Thierry	45	+	+	+	+	+	+	+	+		+	+	+						LMX
Turner, E.V. PH		+	+	+	+	+													LMX
Vidan-Jeras, Bl		+	+	+	+	+	+	+	+	+	+	+	+						LMX

**** Serum 1092 ****

Investigator	% POS	A2	A68	A69	B57	B58	A24	B35	B60	B61	A23	A31	B49	B51	B75	A25	A3	A30	A32	A33	A34	A74	B46	B50	B53	B63	B71	B77	CW10	A29	B47	B62	CW9	A26	B52	B72	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48 >	LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Askar, Medhat Z	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A203,B48,B78 >	LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B78,B13 >	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A203,B48 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B40,B70,A66 >	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B48 >	LMX
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Hamdi, Nuha	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A66,B78 >	LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	A11,A66,B78,B27 >	LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B48 >	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A203,B48,B78 >	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Klein, Tirza	80	+	+	+	+	+	+	+	+	+			+	+																	+					B54,B55	LMX
Loewenthal MD,	92	+	+	+	+	+	+	+	+	+	+																										B78,B54,B55,B56 >	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	A11,A203,B48,B78 >	LMX
McAlack-Hanau,	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B78,B13 >	LMX
McCluskey, Jame	45	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+		+	A203,B78,B27,B56 >	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Pais, Maria Lui		+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+				+			A11	LMX
Pancoska, Carol		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B78,B13 >	LMX
Permpikul, Vejt	87	+	+	+	+	+			+	+		+		+	+									+	+				+			+			+	+	B27	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		A11,A66,A80,B64 >	LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Rosen-Bronson,	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Tabary, Thierry	87	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,A66,B13 >	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		A11,B13,B45,A80 >	LMX
Vidan-Jeras, Bl		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX

*** Serum 1089 ***
31 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A69	100%	100%
B42	100%	100%
B57	100%	100%
B41	97%	100%
B45	97%	100%
B55	97%	100%
B58	97%	100%
B60	97%	100%
B37	94%	100%
B49	94%	100%
B50	94%	100%
B67	94%	100%
B8	94%	100%
B39	90%	100%
B47	90%	100%
B38	87%	100%
B54	87%	100%
A43	84%	100%
B59	84%	100%
B13	84%	60%
A29	77%	100%
A11	71%	100%
A32	58%	100%
CW15	58%	100%
B62	48%	100%
A25	45%	100%
A3	42%	100%
A36	42%	100%
B51	42%	100%
B52	42%	100%
B18	39%	100%
B63	29%	100%
A74	26%	100%
B64	26%	100%
B65	26%	100%
A1101	23%	100%
A1102	23%	100%
B27	23%	100%
B44	16%	100%

*** Serum 1090 ***
31 typing Labs

Antigen	Consensus	Inclusion
A68	100%	100%
A69	100%	100%
B57	100%	100%
A2	97%	100%
B58	97%	100%
A24	55%	67%
A203	16%	100%

*** Serum 1091 ***
31 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A68	100%	100%
A69	100%	100%
A1	94%	100%
A36	94%	100%
A24	81%	100%
B8	77%	100%
B57	77%	90%
A34	61%	50%
A23	58%	100%
B58	58%	100%
B59	48%	100%
A2403	19%	100%
A203	16%	100%

*** Serum 1092 ***
31 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A68	100%	100%
A69	100%	100%
B57	100%	100%
B58	100%	100%
A24	97%	100%
B35	97%	100%
B60	97%	100%
B61	97%	100%
A23	94%	100%
A31	94%	100%
B49	94%	100%
B51	94%	100%
B75	94%	100%
A25	90%	100%
A3	90%	100%
A30	90%	100%
A32	90%	100%
A33	90%	100%
A34	90%	100%
A74	90%	100%
B46	90%	100%
B50	90%	100%
B53	90%	100%
B63	90%	100%
B71	90%	100%
B77	90%	100%
CW10	90%	100%
A29	87%	100%
B47	87%	100%
B62	87%	100%
CW9	87%	100%
A26	84%	100%
B52	84%	100%
B72	84%	100%
A36	81%	100%
A80	81%	100%
B41	81%	100%
B45	81%	100%
B64	81%	100%
B78	81%	100%
A11	77%	100%
A43	77%	100%
B13	77%	100%
CW14	74%	100%
B27	71%	100%
B56	71%	100%
A66	68%	100%
B55	68%	100%
B65	68%	100%
B44	65%	100%
CW1	65%	100%
CW12	65%	100%

Method: Luminex

**** Serum 1089 ****

Investigator	% POS	+ A11	+ A2	+ A29	+ B12	+ B17	+ B38	+ B44	+ B45	+ B49	+ B54	+ B55	+ B57	+ B58	+ B59	+ B60	+ B8	Method
Alvarez, Carret	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	FC
Eckels/CPMC,	79																	FC

**** Serum 1090 ****

Investigator	% POS	+ A2	+ A68	+ B17	+ B57	+ B58	Method
Alvarez, Carret	8	+	+	+	+	+	FC
Eckels/CPMC,	47						FC

**** Serum 1091 ****

Investigator	% POS	+ A1	+ A2	+ A24	+ A25	+ A26	+ A29	+ A30	+ A68	+ B17	+ B57	+ B58	+ B59	+ B8	Method
Alvarez, Carret	25	+	+	+	+	+	+	+	+	+	+	+	+	+	FC
Eckels/CPMC,	75														FC

Investigator **** Serum 1092 ****

Investigator	% POS	+ A1	+ A11	+ A2	+ A23	+ A24	+ A25	+ A26	+ A29	+ A3	+ A30	+ A31	+ A32	+ A33	+ A34	+ A68	+ A9	+ B12	+ B13	+ B14	+ B15	+ B17	+ B18	+ B27	+ B35	+ B38	+ B40	+ B44	+ B45	+ B49	+ B5	+ B51	+ B52	+ B53	+ B55	+ B57	+ B58	+ B60	+ B62	+ B65	+ B7	+ B8	Method
Alvarez, Carret	77	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	FC
Eckels/CPMC,	98																																										FC

**** Serum 1089 ****

Investigator	% POS	+ A2	+ A69	+ B37	+ B41	+ B45	+ B55	+ B58	+ A24	+ A29	+ A68	+ B13	+ B38	+ B39	+ B42	+ B49	+ B50	+ B57	+ B59	+ B60	+ B8	Method
Hahn, Amy B. Ph	53	+	+	+	+	+	+	+				+										EIA
Vidan-Jeras, Bl																						EIA

**** Serum 1090 ****

Investigator	% POS	+ A2	+ A68	+ A69	+ B57	+ B58	Method
Hahn, Amy B. Ph	21	+	+				EIA
Vidan-Jeras, Bl							EIA

**** Serum 1091 ****

Investigator	% POS	+ A2	+ A68	+ A69	Method
Hahn, Amy B. Ph	25	+	+	+	EIA
Vidan-Jeras, Bl					EIA

**** Serum 1092 ****

Investigator	% POS	+ A2	+ A24	+ A32	+ A68	+ A69	+ A23	+ A25	+ A29	+ A31	+ A34	+ B35	+ B49	+ B50	+ B53	+ B57	+ B58	+ B63	Method
Hahn, Amy B. Ph	46	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	EIA
Vidan-Jeras, Bl																			EIA

*** Serum 1089 ***
2 typing Labs

Antigen	Consensus	Inclusion
No consensus		

*** Serum 1090 ***
2 typing Labs

Antigen	Consensus	Inclusion
No consensus		

*** Serum 1091 ***
2 typing Labs

Antigen	Consensus	Inclusion
No consensus		

*** Serum 1092 ***
2 typing Labs

Antigen	Consensus	Inclusion
No consensus		

Method: Flow cytometry

*** Serum 1089 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A69	100%	100%
B37	100%	100%
B41	100%	100%
B45	100%	100%
B55	100%	100%
B58	100%	100%
A24	50%	100%
A29	50%	100%
A68	50%	100%
B13	50%	100%
B38	50%	100%
B39	50%	100%
B42	50%	100%
B49	50%	100%
B50	50%	100%
B57	50%	100%
B59	50%	100%
B60	50%	100%
B8	50%	100%

*** Serum 1090 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A68	100%	100%
A69	50%	100%
B57	50%	100%
B58	50%	100%

*** Serum 1091 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A68	100%	100%
A69	100%	100%

*** Serum 1092 ***
2 typing Labs

Antigen	Consensus	Inclusion
A2	100%	100%
A24	100%	100%
A32	100%	100%
A68	100%	100%
A69	100%	100%
A23	50%	100%
A25	50%	100%
A29	50%	100%
A31	50%	100%
A34	50%	100%
B35	50%	100%
B49	50%	100%
B50	50%	100%
B53	50%	100%
B57	50%	100%
B58	50%	100%
B63	50%	100%

Method: Elisa

**** Serum 1093 ****

Investigator	% POS	+ B35	+ B62	+ B51	B53	B75	B18	Other
Claas, F.H.J.	33	+	+	+				
Esteves Kondo,	43	+	+					B71
Hogan, Patrick		+	+	+	+	+	+	
Suciu-Foca, Nic	39	+		+	+		+	B15,B13,B52,B14 >
Watson, Narelle	41	+	+	+	+	+		B63

**** Serum 1094 ****

Investigator	% POS	+ B51	+ B35	B53	B52	Other	Method
Claas, F.H.J.	25	+	+				STD
Esteves Kondo,	41	+			+	B71,B72	STD
Hogan, Patrick		+	+	+			STD
Suciu-Foca, Nic	50	+	+	+	+	B49	STD
Watson, Narelle	18	+	+	+			STD

**** Serum 1095 ****

Investigator	% POS	+ B35	B53	+ B51	+ B52	+ B18	B49	Other
Claas, F.H.J.	33	+		+	+	+		
Esteves Kondo,	46	+	+					B71,B72
Hogan, Patrick		+	+	+	+	+		B75
Suciu-Foca, Nic	67	+	+	+	+	+	+	B15,B57
Watson, Narelle	38	+	+	+	+		+	B46

**** Serum 1096 ****

Investigator	% POS	+ B51	+ B35	+ B52	B53	Other	Method
Claas, F.H.J.	25	+	+	+		B18	STD
Esteves Kondo,	33					B54,B71,B72	STD
Hogan, Patrick		+					STD
Suciu-Foca, Nic	72	+	+	+	+	B15,B49,B50,B57	STD
Watson, Narelle	20	+	+	+	+		STD

**** Serum 1093 ****

Investigator	% POS	+ B35	+ B51	+ B53	+ B62	+ B57	B18	B52	B63	B75	Other
Askar, Medhat Z	37	+	+	+	+	+					
Lardy, N.M.	50	+	+	+	+	+	+	+	+	+	

**** Serum 1094 ****

Investigator	% POS	+ B35	+ B51	+ B53	Other	Method
Askar, Medhat Z	26	+	+	+		EXT
Lardy, N.M.	25	+	+	+		EXT

**** Serum 1095 ****

Investigator	% POS	+ B18	+ B35	+ B49	+ B51	+ B52	+ B53	B62	B63	B75	Other
Askar, Medhat Z	43	+	+	+	+	+	+				
Lardy, N.M.	53	+	+	+	+	+	+	+	+	+	

**** Serum 1096 ****

Investigator	% POS	+ B18	+ B35	+ B51	+ B52	+ B53	+ B49	B63	B75	Other	Method
Askar, Medhat Z	43	+	+	+	+	+	+				EXT
Lardy, N.M.	40	+	+	+	+	+		+	+		EXT

*** Serum 1093 ***
5 typing Labs

Antigen	Consensus	Inclusion
B35	100%	76%
B62	80%	64%
B51	80%	53%
B53	60%	50%
B75	40%	31%
B18	40%	20%
B13	20%	100%
B14	20%	100%
B15	20%	100%
B52	20%	100%
B57	20%	100%
B71	20%	100%
B63	20%	4%

*** Serum 1094 ***
5 typing Labs

Antigen	Consensus	Inclusion
B51	100%	73%
B35	80%	77%
B53	60%	100%
B52	40%	100%
B49	20%	100%
B71	20%	100%
B72	20%	100%

*** Serum 1095 ***
5 typing Labs

Antigen	Consensus	Inclusion
B35	100%	73%
B53	80%	38%
B51	80%	33%
B52	80%	27%
B18	60%	67%
B49	40%	14%
B15	20%	100%
B57	20%	100%
B71	20%	100%
B72	20%	100%
B75	20%	100%
B46	20%	50%

*** Serum 1096 ***
5 typing Labs

Antigen	Consensus	Inclusion
B51	80%	44%
B35	60%	70%
B52	60%	33%
B53	40%	33%
B15	20%	100%
B18	20%	100%
B49	20%	100%
B50	20%	100%
B54	20%	100%
B57	20%	100%
B71	20%	100%
B72	20%	100%

Method: NIH-Std

*** Serum 1093 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B53	100%	100%
B62	100%	100%
B57	100%	67%
B18	50%	100%
B52	50%	100%
B63	50%	100%
B75	50%	100%

*** Serum 1094 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B53	100%	100%

*** Serum 1095 ***
2 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B49	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B62	50%	100%
B63	50%	100%
B75	50%	100%

*** Serum 1096 ***
2 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B49	50%	100%
B63	50%	100%
B75	50%	100%

Method: NIH-Ext

**** Serum 1093 ****

Investigator	% POS	B18	B35	B51	B53	B52	B57	B8	B62	B13	B15	B39	B46	B49	B50	B63	B70	B65	Other
Cecka, J. Micha		+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	B45,B37,B41,B71
Gandhi, Manish		+	+	+	+	+	+	+	+				+			+	+		
Hahn, Amy B. Ph		+	+	+	+	+					+		+			+			
Mah, Helen	85	+	+	+	+	+	+	+	+			+		+	+			+	A24,A2,B75,A23 >
Suciu-Foca, Nic	54	+	+	+	+		+	+		+	+						+		B21,B14

**** Serum 1094 ****

Investigator	% POS	B35	B51	B53	B52	B49	B50	Other	Method
Cecka, J. Micha		+	+	+	+	+	+	B62,B56,A80,B63 >	AHG
Gandhi, Manish		+	+	+			+		AHG
Hahn, Amy B. Ph	31	+	+	+	+				AHG
Mah, Helen	26	+	+	+					AHG
Suciu-Foca, Nic	50	+	+	+	+	+		B15,B21,B57	AHG

**** Serum 1095 ****

Investigator	% POS	B18	B35	B51	B52	B53	B49	B50	B57	B46	B15	B37	B56	B62	B63	B65	B70	B71	B58	Other
Cecka, J. Micha		+	+	+	+	+		+	+	+		+	+	+	+	+		+	+	A25,A33,B8
Gandhi, Manish		+	+	+	+	+	+			+										
Hahn, Amy B. Ph	64	+	+	+	+	+	+	+			+						+			B21,B5,B17
Mah, Helen	71	+	+	+	+	+	+		+	+			+	+	+	+		+	+	B75,B64,B76,B77
Suciu-Foca, Nic	55	+	+	+	+	+	+	+	+		+	+					+			

**** Serum 1096 ****

Investigator	% POS	B51	B49	B52	B53	B35	B18	B75	B63	B57	Other	Method
Cecka, J. Micha		+	+	+	+	+			+	+	B62,A23,A80,B37 >	AHG
Gandhi, Manish		+	+	+	+	+						AHG
Hahn, Amy B. Ph	50	+	+	+	+	+	+	+			B77,B58	AHG
Mah, Helen	28	+	+	+	+			+	+		B72	AHG
Suciu-Foca, Nic	55	+	+	+	+	+	+			+	B15,B50,B16	AHG

**** Serum 1093 ****

Investigator	% POS	B35	B51	B53	B52	B18	B62	B63	B75	Other	Method
Dunk, Arthur		+	+	+	+	+					OTH
McCluskey, Jame	45	+	+	+	+		+	+	+		OTH

**** Serum 1094 ****

Investigator	% POS	B35	B51	B53	B62	Other	Method
Dunk, Arthur	33	+	+	+			OTH
McCluskey, Jame	26	+	+	+	+		OTH

**** Serum 1095 ****

Investigator	% POS	B35	B51	B52	B53	B18	B49	B63	B75	Other	Method
Dunk, Arthur	53	+	+	+	+	+	+				OTH
McCluskey, Jame	38	+	+	+	+		+	+			OTH

**** Serum 1096 ****

Investigator	% POS	B35	B51	B52	B53	B18	B49	B63	Other	Method
Dunk, Arthur	47	+	+	+	+	+	+			OTH
McCluskey, Jame	32	+	+	+	+			+		OTH

*** Serum 1093 ***
5 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B51	100%	100%
B53	100%	100%
B52	80%	100%
B57	80%	100%
B8	80%	100%
B62	60%	100%
B13	40%	100%
B15	40%	100%
B39	40%	100%
B46	40%	100%
B49	40%	100%
B50	40%	100%
B63	40%	100%
B70	40%	100%
B65	40%	83%
A2	20%	100%
A23	20%	100%
A24	20%	100%
A68	20%	100%
A69	20%	100%
B14	20%	100%
B21	20%	100%
B37	20%	100%
B38	20%	100%
B41	20%	100%
B45	20%	100%
B59	20%	100%
B64	20%	100%
B71	20%	100%
B75	20%	100%

Method: Antiglobulin

*** Serum 1094 ***
5 typing Labs

Antigen	Consensus	Inclusion
B35	100%	92%
B51	100%	92%
B53	100%	80%
B52	60%	100%
B49	40%	100%
B50	40%	100%
A80	20%	100%
B15	20%	100%
B21	20%	100%
B41	20%	100%
B46	20%	100%
B56	20%	100%
B57	20%	100%
B62	20%	100%
B63	20%	100%
B71	20%	100%

*** Serum 1095 ***
5 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B49	80%	100%
B50	60%	100%
B57	60%	100%
B46	60%	75%
B15	40%	100%
B37	40%	100%
B56	40%	100%
B62	40%	100%
B63	40%	100%
B65	40%	100%
B70	40%	100%
B71	40%	100%
B58	40%	80%
A25	20%	100%
B17	20%	100%
B21	20%	100%
B5	20%	100%
B64	20%	100%
B75	20%	100%
B76	20%	100%
B77	20%	100%
B8	20%	100%
A33	20%	83%

*** Serum 1096 ***
5 typing Labs

Antigen	Consensus	Inclusion
B51	100%	100%
B49	100%	86%
B52	100%	80%
B53	100%	80%
B35	80%	100%
B18	40%	100%
B75	40%	100%
B63	40%	80%
B57	40%	75%
A23	20%	100%
A80	20%	100%
B15	20%	100%
B16	20%	100%
B46	20%	100%
B50	20%	100%
B58	20%	100%
B77	20%	100%
B62	20%	67%
B37	20%	50%
B72	20%	50%

*** Serum 1093 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B53	100%	100%
B52	100%	50%
B18	50%	100%
B62	50%	100%
B63	50%	100%
B75	50%	100%

Method: Other

*** Serum 1094 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B53	100%	100%
B62	50%	33%

*** Serum 1095 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B18	50%	100%
B49	50%	100%
B63	50%	100%
B75	50%	100%

*** Serum 1096 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B18	50%	100%
B49	50%	100%
B63	50%	50%

**** Serum 1093 ****

Investigator	% POS	B35	B57	B62	B71	B13	B18	B37	B46	B49	B50	B63	B72	B8	B51	B52	B53	B75	B76	B78	B56	B54	B77	B41	B45	B38	B39	B64	B65	CW8	B59	CW5	B61	B48	CW14	B82	CW1	Other	Method
Al-Attas, Rabat		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B27>	LMX
Askar, Medhat Z	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B73	LMX
Cecka, J. Micha		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B7,B67>	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		B60	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B47,B73	LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B27>	LMX
Hahn, Amy B. Ph	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B27>	LMX
Hamdi, Nuha	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B67,B73	LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+	+	+	+	+	+		+							B8C	LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+		+	+					B14	LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B27>	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B73,B7801,B8201	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B67,B73	LMX
Klein, Tirza	88	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+		+	+		+						+	+				B60,B55,B67,B42>	LMX
Loewenthal MD,	82	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+											+					B60	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+		+		+	+				B60,B47,B44,B7>	LMX
McAlack-Hanau,	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+				B8201	LMX
McCluskey, Jame	26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		+	+					B14,B3901	LMX
Meyer, Pieter W	92	+																												+								CW6,A11,A24,B40>	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B7>	LMX
Ozawa, Mikki		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B73	LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+							LMX
Pancoska, Carol	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX
Permpikul, Vejt		+	+	+	+									+	+	+	+	+	+	+																		A1,A30	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B73	LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B7>	LMX
Rosen-Bronson,	88	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B27>	LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B47,B44,B27>	LMX
Tabary, Thierry	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+		+	B60,B47,B44,B73>	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+	B8201	LMX
Vidan-Jeras, Bl	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	B73	LMX

**** Serum 1094 ****

Investigator	% POS	B35	B49	B50	B52	B53	B56	B62	B63	B71	B72	B58	B51	B75	B77	B78	B37	B57	B18	B46	B54	CW9	CW10	CW5	A80	A11	B73	CW18	B45	CW17	B64	CW4	B76	B48	Other	Method
Al-Attas, Rabat		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B47,B27,B55>	LMX
Askar, Medhat Z	75	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	A25,A26,B39,A1101>	LMX
Cecka, J. Micha		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+				+			+						LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B61,A66,B13>	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+										LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B39,CW2	LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B61,A66,B13>	LMX
Hahn, Amy B. Ph	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B47,B44,B27>	LMX
Hamdi, Nuha	76	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					+			LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			+									B82,B38	LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,B61,A66>	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						B7801,A1101,A1102	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			B47	LMX
Klein, Tirza	70	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+								+					B61,B42,B59	LMX
Loewenthal MD,																																				LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+				+		+		+		+		+	+	B61,B13,B47,B44>	LMX
McAlack-Hanau,	65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															LMX
McCluskey, Jame	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+													LMX
Meyer, Pieter W	17	+	+	+	+	+						+														+									CW6,B15,A34,A30>	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B61,B13,B47>	LMX
Ozawa, Mikki		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+				LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+												LMX
Pancoska, Carol	44	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												LMX
Permpikul, Vejt		+	+	+	+	+	+	+	+	+	+		+	+		+																			A30	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B47,CW2	LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B47,A25,A26,A43>	LMX
Rosen-Bronson,	65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		A66,A25,A26,B39	LMX
Tabary, Thierry	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	CW2,B7801,A1101,A1102	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+												LMX
Vidan-Jeras, Bl	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B47,B44,B27,B55>	LMX

**** Serum 1095 ****

Investigator	% POS	B18	B35	B50	B51	B53	B58	B62	B71	B72	B46	B52	B56	B57	B63	B75	B78	B8	B37	B49	B76	B77	A33	B64	B65	CW10	CW9	A32	B59	CW14	B73	CW1	B55	A25	B82	B54	B45	Other	Method
Al-Attas, Rabat		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,CW8,CW15	LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B13,B7,A34>	LMX
Askar, Medhat Z	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B13,B7,A34>	LMX
Cecka, J. Micha		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	CW15	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A66,B13>	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,B44,B7	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A66,B13,B7>	LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A66,B13>	LMX
Hahn, Amy B. Ph	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A66,B13,B44>	LMX
Hamdi, Nuha	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,B7,B38,CW8 >	LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+				B13,CW5,CW8>	LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		+		+	+		+	+	+	B7,A68,B14,CW8>	LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,A66>	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,B7,CW8,CW15>	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,B7,CW8,CW15>	LMX
Klein, Tirza	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+		+			+	+		CW3,CW18	LMX
Loewenthal MD,	78	+	+	+		+		+	+	+	+		+				+	+						+								+			+			B42	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+		+	+		+	+	A11,B13,B47,B44>	LMX
McAlack-Hanau,	83	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+				LMX
McCluskey, Jame	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		+		+			+	+		A68,CW18	LMX
Meyer, Pieter W	98				+		+																															CW4,CW6,A11,A24>	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A66,B13>	LMX
Ozawa, Mikki		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	B13,CW15	LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+										LMX
Pancoska, Carol	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			CW15	LMX
Permpikul, Vejt		+	+	+	+	+	+	+	+	+		+		+	+	+	+			+	+		+		+													A34,A30,A68	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,CW8,CW15>	LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A66,B13,B44>	LMX
Rosen-Bronson,	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A66,B13,B44>	LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A66,B13,B44>	LMX
Tabary, Thierry	75	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	B13,CW8,CW15>	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					LMX
Vidan-Jeras, Bl	44	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B13,CW8,CW15	LMX

**** Serum 1096 ****

Investigator	% POS	B35	A32	B18	B49	B51	B52	B53	B63	A25	B37	B57	A24	A23	B58	B71	B75	B13	B77	B78	B62	B38	B59	B56	B72	B76	B46	B50	A80	B64	B65	B8	A33	A1	B48	B44	A68	Other	Method
Al-Attas, Rabat		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A2,B47,B54>	LMX
Askar, Medhat Z	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,CW10,CW9>	LMX
Cecka, J. Micha		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,A2,B61,A66>	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,A69,CW10,CW9	LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,B47,A69,CW10>	LMX
Hahn, Amy B. Ph	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,A69,CW10,CW9	LMX
Hamdi, Nuha	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+										LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		+	+								+	A2	LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,A2,B47,A69>	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B7801	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX
Klein, Tirza	82	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+																+		CW4,B54,A43	LMX
Loewenthal MD,	88	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+				+							+							B54	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,A2,B47,A69>	LMX
McAlack-Hanau,	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+								LMX
McCluskey, Jame	23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	+	+												A2403	LMX
Meyer, Pieter W	24	+											+					+																					B15,A34,A74	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,B47,B82,B45>	LMX
Ozawa, Mikki		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+			+	+	+		+	+	+	+	+				+												LMX
Pancoska, Carol	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Permpikul, Vejt		+	+	+	+	+	+	+	+						+	+	+						+													+		A30	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Ramon, Daniel F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,A69,CW10,CW9	LMX
Rosen-Bronson,	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,A69,CW10,CW9	LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	A2,A69,CW10,CW9 >	LMX
Tabary, Thierry	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				A2403,B7801	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Vidan-Jeras, Bl	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					CW9	LMX

*** Serum 1093 ***
33 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B57	97%	100%
B62	97%	100%
B71	97%	100%
B13	94%	100%
B18	94%	100%
B37	94%	100%
B46	94%	100%
B49	94%	100%
B50	94%	100%
B63	94%	100%
B72	94%	100%
B8	94%	100%
B51	91%	100%
B52	91%	100%
B53	91%	100%
B75	91%	100%
B76	91%	100%
B78	91%	100%
B56	91%	83%
B54	91%	80%
B77	88%	100%
B41	88%	80%
B45	85%	100%
B38	82%	100%
B39	82%	100%
B64	82%	100%
B65	82%	100%
CW8	82%	100%
B59	82%	80%
CW5	79%	75%
B61	76%	100%
B48	73%	100%
CW14	67%	100%
B82	64%	100%
CW1	64%	100%
B73	61%	100%
B60	52%	100%
B47	45%	100%
B67	39%	100%
B42	30%	100%
B44	30%	100%
B7	30%	100%
B55	24%	100%
B27	18%	100%
B81	18%	100%

*** Serum 1094 ***
33 typing Labs

Antigen	Consensus	Inclusion
B35	97%	100%
B49	97%	100%
B50	97%	100%
B52	97%	100%
B53	97%	100%
B56	94%	100%
B62	94%	100%
B63	94%	100%
B71	94%	100%
B72	94%	100%
B58	94%	86%
B51	91%	100%
B75	91%	100%
B77	91%	100%
B78	91%	100%
B37	91%	80%
B57	91%	70%
B18	91%	57%
B46	85%	80%
B54	82%	100%
CW9	79%	100%
CW10	79%	60%
CW5	70%	100%
A80	67%	100%
A11	58%	100%
B73	58%	100%
CW18	58%	100%
B45	52%	100%
CW17	52%	83%
B64	48%	100%
CW4	48%	100%
B76	42%	100%
B48	36%	100%
A25	33%	100%
A26	33%	100%
B39	33%	100%
B47	33%	100%
A43	30%	100%
CW2	30%	100%
B38	27%	100%
B59	27%	100%
A66	24%	100%
B27	24%	100%
B55	24%	100%
A6601	21%	100%
B44	21%	100%
B65	21%	100%
B67	21%	100%
CW15	21%	100%
CW8	21%	100%
A1101	18%	100%
A1102	18%	100%
B61	18%	100%
CW7	18%	71%

*** Serum 1095 ***
33 typing Labs

Antigen	Consensus	Inclusion
B18	97%	100%
B35	97%	100%
B50	97%	100%
B51	97%	100%
B53	97%	100%
B58	97%	100%
B62	97%	100%
B71	97%	100%
B72	97%	100%
B46	94%	100%
B52	94%	100%
B56	94%	100%
B57	94%	100%
B63	94%	100%
B75	94%	100%
B78	94%	100%
B8	94%	86%
B37	91%	100%
B49	91%	100%
B76	91%	100%
B77	91%	100%
A33	91%	75%
B64	85%	100%
B65	85%	100%
CW10	85%	100%
CW9	85%	100%
A32	85%	71%
B59	82%	100%
CW14	82%	100%
B73	79%	100%
CW1	79%	100%
B55	79%	80%
A25	79%	75%
B82	76%	100%
B54	73%	100%
B45	70%	75%
CW15	67%	83%
B13	67%	50%
CW8	64%	100%
CW18	58%	100%
B7	52%	100%
B38	39%	100%
A34	39%	50%
CW6	36%	100%
B44	30%	100%
CW5	30%	100%
A66	27%	100%
A11	18%	100%

*** Serum 1096 ***
33 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
A32	97%	100%
B18	97%	100%
B49	97%	100%
B51	97%	100%
B52	97%	100%
B53	97%	100%
B63	97%	100%
A25	94%	100%
B37	94%	100%
B57	94%	100%
A24	94%	88%
A23	91%	100%
B58	91%	100%
B71	91%	100%
B75	91%	100%
B13	91%	60%
B77	88%	100%
B78	88%	100%
B62	88%	67%
B38	85%	100%
B59	85%	100%
B56	85%	83%
B72	85%	83%
B76	82%	100%
B46	82%	80%
B50	82%	80%
A80	73%	100%
B64	73%	100%
B65	73%	100%
B8	70%	83%
A33	70%	75%
A1	45%	100%
B48	45%	100%
B44	42%	50%
A68	39%	100%
A2	36%	100%
CW9	36%	100%
A69	33%	100%
CW10	33%	100%
B47	18%	100%

Method: Luminex

**** Serum 1093 ****

Investigator	% POS	+ B35	+ B51	+ B52	+ B62	+ B13	+ B18	+ B49	+ B53	+ B57	+ B65	+ B71	+ B72	+ B75	+ B8	Other
Alvarez, Carret	31	+	+	+	+	+	+	+		+	+				+	
Esteves-Kondo,	88	+	+	+	+				+			+	+	+		

**** Serum 1094 ****

Investigator	% POS	+ B35	+ B52	+ B13	+ B27	+ B38	+ B49	+ B62	+ B7	+ B71	+ B51	+ B57	+ B72	+ B75	Other	Method
Alvarez, Carret	22	+	+	+	+	+	+	+	+							FC
Esteves-Kondo,	66	+	+					+		+	+	+	+	+		FC

**** Serum 1095 ****

Investigator	% POS	+ B18	+ B35	+ B52	+ B51	+ A33	+ B49	+ B53	+ B55	+ B57	+ B62	+ B65	+ B71	+ B72	+ B75	+ B8	Other
Alvarez, Carret	38	+	+	+	+	+	+		+	+	+	+				+	
Esteves-Kondo,	83	+	+	+	+			+					+	+	+		

**** Serum 1096 ****

Investigator	% POS	+ B35	+ B51	+ B62	+ A23	+ A24	+ A25	+ A32	+ A33	+ B13	+ B18	+ B38	+ B49	+ B52	+ B58	+ B71	+ B57	+ B72	Other	Method
Alvarez, Carret	38	+	+	+	+	+	+	+	+		+	+	+	+						FC
Esteves-Kondo,	72	+	+	+						+					+	+	+	+		FC

**** Serum 1093 ****

Investigator	% POS	+ B18	+ B35	+ B52	+ B53	+ B62	+ B63	+ B71	+ B75	+ B13	+ B51	+ B57	+ B72	Other
Esteves-Kondo,	82	+	+	+	+	+	+	+	+		+			
Hahn, Amy B. Ph	43	+	+	+	+	+	+	+	+	+	+	+	+	B78,B49 >
Vidan-Jeras, Bl	57	+	+	+	+	+	+	+	+	+	+	+	+	B76,B58

**** Serum 1094 ****

Investigator	% POS	+ B35	+ B53	+ B72	+ B71	+ B51	+ B52	+ B18	+ B49	+ B75	+ B78	+ B57	+ B62	Other	Method
Esteves-Kondo,	37	+	+	+	+	+	+					+	+		EIA
Hahn, Amy B. Ph	29	+	+	+	+	+	+	+	+	+	+	+	+	B50,B54 >	EIA
Vidan-Jeras, Bl	35	+	+	+	+	+	+	+	+	+	+				EIA

**** Serum 1095 ****

Investigator	% POS	+ B18	+ B35	+ B49	+ B53	+ B71	+ B72	+ B37	+ B51	+ B52	+ B57	+ B58	+ B63	+ B75	Other
Esteves-Kondo,	76	+	+	+	+	+	+		+	+	+				B65
Hahn, Amy B. Ph	42	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B62 >
Vidan-Jeras, Bl	46	+	+	+	+	+	+	+	+	+		+	+	+	

**** Serum 1096 ****

Investigator	% POS	+ B18	+ B35	+ B49	+ B52	+ B53	+ B51	+ B57	+ B58	+ B64	+ B75	+ B78	Other	Method
Esteves-Kondo,	71	+	+	+	+	+	+	+	+	+	+	+	B71	EIA
Hahn, Amy B. Ph	20	+	+	+	+	+	+	+	+	+	+	+	B44,B45 >	EIA
Vidan-Jeras, Bl	39	+	+	+	+	+	+		+		+	+	B70	EIA

*** Serum 1093 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B52	100%	100%
B62	100%	100%
B13	50%	100%
B18	50%	100%
B49	50%	100%
B53	50%	100%
B57	50%	100%
B65	50%	100%
B71	50%	100%
B72	50%	100%
B75	50%	100%
B8	50%	100%

*** Serum 1094 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B52	100%	100%
B13	50%	100%
B27	50%	100%
B38	50%	100%
B49	50%	100%
B62	50%	100%
B7	50%	100%
B71	50%	100%
B51	50%	50%
B57	50%	50%
B72	50%	50%
B75	50%	50%

*** Serum 1095 ***
2 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B52	100%	100%
B51	100%	50%
A33	50%	100%
B49	50%	100%
B53	50%	100%
B55	50%	100%
B57	50%	100%
B62	50%	100%
B65	50%	100%
B71	50%	100%
B72	50%	100%
B75	50%	100%
B8	50%	100%

*** Serum 1096 ***
2 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B62	100%	100%
A23	50%	100%
A24	50%	100%
A25	50%	100%
A32	50%	100%
A33	50%	100%
B13	50%	100%
B18	50%	100%
B38	50%	100%
B49	50%	100%
B52	50%	100%
B58	50%	100%
B71	50%	100%
B57	50%	50%
B72	50%	50%

Method: Flow cytometry

*** Serum 1093 ***
3 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B52	100%	100%
B53	100%	100%
B62	100%	100%
B63	100%	100%
B71	100%	100%
B75	100%	100%
B13	67%	100%
B51	67%	100%
B57	67%	100%
B72	67%	100%
B37	33%	100%
B38	33%	100%
B39	33%	100%
B41	33%	100%
B44	33%	100%
B45	33%	100%
B46	33%	100%
B49	33%	100%
B50	33%	100%
B54	33%	100%
B56	33%	100%
B58	33%	100%
B59	33%	100%
B64	33%	100%
B65	33%	100%
B76	33%	100%
B78	33%	100%
B8	33%	100%

*** Serum 1094 ***
3 typing Labs

Antigen	Consensus	Inclusion
B35	100%	100%
B53	100%	100%
B72	100%	100%
B71	100%	50%
B51	100%	33%
B52	100%	33%
B18	67%	100%
B49	67%	100%
B75	67%	100%
B78	67%	100%
B57	67%	50%
B62	67%	50%
B37	33%	100%
B38	33%	100%
B50	33%	100%
B54	33%	100%
B56	33%	100%
B58	33%	100%
B59	33%	100%
B63	33%	100%

*** Serum 1095 ***
3 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B49	100%	100%
B53	100%	100%
B71	100%	100%
B72	100%	100%
B37	67%	100%
B51	67%	100%
B52	67%	100%
B57	67%	100%
B58	67%	100%
B63	67%	100%
B75	67%	100%
B38	33%	100%
B39	33%	100%
B44	33%	100%
B45	33%	100%
B46	33%	100%
B50	33%	100%
B54	33%	100%
B55	33%	100%
B56	33%	100%
B59	33%	100%
B62	33%	100%
B64	33%	100%
B65	33%	100%
B78	33%	100%
B81	33%	100%

*** Serum 1096 ***
3 typing Labs

Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B49	100%	100%
B52	100%	100%
B53	100%	100%
B51	67%	100%
B57	67%	100%
B58	67%	100%
B64	67%	100%
B75	67%	100%
B78	67%	100%
B38	33%	100%
B44	33%	100%
B45	33%	100%
B46	33%	100%
B56	33%	100%
B59	33%	100%
B63	33%	100%
B70	33%	100%
B71	33%	100%

Method: Elisa

CTR	INVESTIGATOR NAME	DNA EXTRACT #553 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*01:01:01/100	*03:01:01/63	*08:01:01/07	*40:31/80	*03	*07	SBT,RSSO
4691	Ajlan,Abdula	*01	*03	*08	*40	*03	*07	SSO
2332	Al-Awwami,Mo	*01	*03	*08	*40	*03	*07	RSSO,SSP
4345	Blasczyk,Rai	*01:01:01G	*03:01:01G	*08:01:01G	*40:31	*03:04P	*07:01P	PCR-SBT
8038	Cao&Cano	*01:01:01:01/01:01:02N	*03:01:01:01/01:01:02N	*08:01	*40:31	*03:04:01	*07:01/06/18	SSO,SSP,SBT
785	Chan,Soh Ha	*01:01:01G	*03:01:01G/*3604	*08:01/19N/07	*40:31/80	*03:04/100/101+	*07:01/06/153+	SBT
9916	Charlton,Ron	*01:01:01:01/100	*03:01:01/63	*08:01:01	*40:31	*03:04:01	*07:01	SBT,SSP
8021	Clark,Brenda	*01:01+	*03:01+	*08:01+	*40:31/80	*03:02/04+	*07:01+	PCR-SSP
1108	Clark,Traci	*01	*03	*08	*40	*03	*07	RSSO
5219	Daniel,Dolly	*01	*03	*08	*40			PCR-SSO
5323	Dhaliwal,J.S	*01	*03	*08	*40	*03	*07	PCR-SSP
5891	Du,Keming	*01:01/17/28+//*36:04	*03:01/08/57+//*03:97	*08:01/07	*40:31/80	*03:04/08/32+	*07:01/06/16/27+	PCR-SBT
3766	Dunn,Paul	*01	*03	*08	*40:31	*03	*07	PCR-SSO,SSP
3135	Enczmann,J.	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01/06/18	SBT,SSO,SSP
762	Fischer&Mayr	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01/06/18	SSO,SSP,SBT
4079	Fort,Marylis	*01:01/45	*03:01/78/112	*08:01/72N/73	*40:31	*03:04/105/106+	*07:01/103/104N+	PCR-SSP,SSO
8022	Hedlund,Anna	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01	SSP
1461	Hidajat,Mela	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01	SSO,SSP,SBT
615	Holdsworth,R	*01:01:01G	*03:01:01G	*08:01:01G	*40:31	*03:04:01G	*07:01:01G	SBT
745	Holman,Richa	*01:01:01:01	*03:01:01	*08:01:01	*40:31	*03:04	*07:01	SSO,SSP,SBT
2344	Hurley&Hartz	*01:01:01:01+	*03:01:01:01+	*08:01:01+	*40:31	*03:04:01:01+	*07:01:01/01:02+	SBT,SSO
13	Kapoor/Park	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01	SSP
1694	Kissel&Hess	*01	*03	*08	*40	*03	*07	
87	Land,Geoff	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01	SBT,SSO,SSP
278	Lee,Jar-How	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01	SSP,RSSO
640	Lee,Kyung Wh	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01/18	PCR-SBT
5096	Lee,Sun-Ah	*01	*03	*08	*40			SSO
8042	Muncher,Lior	*01:01	*03:01	*08:01	*40:31	*03:04	*07:01	SSO,SSP
9001	Muncher_LR	*01	*03	*08	*40	*03	*07	SSO,SSP
2847	Narisawa,Tad	*01	*03	*08	*40	*03	*07	RSSO
3966	Permpikul&Ve	*01	*03	*08	*40	*03	*07	PCR-SSP
2400	Phelan,Donna	*01:01/01N	*03:01/01N	*08:01	*40:31	*03:04	*07:01/06/18	RSSO,SBT,SSP
3753	Reed,Elaine	*01:01/17/28+/*36:04	*03:01/08/57/63/97	*08:01/07	*40:31/80	*03:04/08/32+	*07:01/06/16+	SBT
3798	Reinsmoen,N	*01:01:01/01N	*03:01:01/01N	*08:01:01	*40:31	*03:04:01	*07:01:01/01:02+	PCR-SSO,SBT
4251	Schiller,J	*01:01:01G	*03:01:01G	*08:01	*40:31	*03:04	*07:01P	PCR-RSSO,SBT
3545	Scornik,Juan	*01:01/01N	*03:01/01N	*08:01	*40:31	*03:04	*07:01/06/18	SSO,SBT
8068	Shanmugam,He	*01	*03	*08	*40	*03	*07	PCR-SSP
4021	Trachtenberg	*01	*03	*08	*40	*03	*07	SSO,SSP
5462	Turner,E.V.	*01:01:01	*03:01:01	*08:01:01	*40:31	*03:04:01	*07:01:01	SEQ,SSO
797	Yabe,Hiromasa	*01:01/01N/100	*03:01/07N/63	*08:01	*40:31	*03:04/08	*07:01/06/18+	SSO,SBT

INVESTIGATOR	DNA EXTRACT #554 (Caucasian)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
5488 Adams,Sharon	*02:01:01	*23:01:01/17	*40:14	*44:03	*03	*04	SBT,RSSO
4691 Ajlan,Abdula	*02	*23	*40	*44	*03	*04	SSO
2332 Al-Awwami,Mo	*02	*23	*40	*44	*03	*04	RSSO,SSP
4345 Blasczyk,Rai	*02:01:01G	*23:01:01G	*40:14:03	*44:03P	*03:04P	*04:01:01G	PCR-SBT
8038 Cao&Cano	*02:01:01	*23:01:01/17	*40:14:03	*44:03:01	*03:04	*04:01/30/82	SSO,SSP,SBT
785 Chan,Soh Ha	*02:01:01G	*23:01/07N/17+	*40:14	*44:03	*03:04/100/101+	*04:01/09N/28+	SBT
9916 Charlton,Ron	*02:01:01	*23:01:01/17	*40:14:03	*44:03:01	*03:04:01	*04:01:01	SBT,SSP
8021 Clark,Brenda	*02:01+	*23:01+	*40:02/04/06+	*44:03+	*03:02/04+	*04:01+	PCR-SSP
1108 Clark,Traci	*02	*23	*40	*44	*03	*04	RSSO
5219 Daniel,Dolly	*02	*23	*40	*44			PCR-SSO
5323 Dhaliwal,J.S	*02	*23	*40	*44	*03	*04	PCR-SSP
5891 Du,Keming	*02:01/36/90	*23:01/04/12/17	*40:14	*44:03	*03:04/07/28/32+	*04:01/04/08+	PCR-SBT
3766 Dunn,Paul	*02	*23	*40:14/72	*44	*03	*04	PCR-SSO,SSP
3135 Enczmann,J.	*02:01/01L	*23:01	*40:14	*44:03	*03:04	*04:01	SBT,SSO,SSP
762 Fischer&Mayr	*02:01/01L	*23:01/17	*40:14	*44:03	*03:04	*04:01/09N/30	SSO,SSP,SBT
4079 Fort,Marylis	*02	*23	*40	*44	*03	*04	PCR-SSP,SSO
8022 Hedlund,Anna	*02	*23:01	*40:14	*44:03	*03:04	*04:01	SSP
1461 Hidajat,Mela	*02:01	*23:01	*40:14	*44:03	*03:04	*04:01	SSO,SSP,SBT
615 Holdsworth,R	*02:01:01G	*23:01:01G	*40:14	*44:03:01G	*03:04:01G	*04:01:01G	SBT
745 Holman,Richa	*02:01:01	*23:01:01	*40:14:03	*44:03	*03:04	*04:01	SSO,SSP,SBT
2344 Hurley&Hartz	*02:01:01:01+	*23:01:01/01:05+	*40:14:03	*44:03:01+	*03:04:01:01+	*04:01:01:01+	SBT,SSO
13 Kapoor/Park	*02:01	*23:01	*40:14	*44:03	*03:04	*04:01	SSP
1694 Kissel&Hess	*02	*23	*40	*44	*03	*04	
87 Land,Geoff	*02:01	*23:01	*40:14	*44:03	*03:04	*04:01	SBT,SSO,SSP
278 Lee,Jar-How	*02:01	*23:01	*40:14	*44:03	*03:04	*04:01	SSP,RSSO
640 Lee,Kyung Wh	*02:01	*23:01/17	*40:14	*44:03	*03:04	*04:01/09N/30+	PCR-SBT
5096 Lee,Sun-Ah	*02	*23	*40	*44			SSO
8042 Muncher,Lior	*02:01	*23:01	*40:14	*44:03	*03:04	*04:01	SSO,SSP
9001 Muncher_LR	*02	*23	*40	*44	*03	*04	SSO,SSP
2847 Narisawa,Tad	*02	*23	*40	*44	*03	*04	RSSO
3966 Permpikul&Ve	*02	*23	*40	*44	*03	*04	PCR-SSP
2400 Phelan,Donna	*02:01	*23:01/17	*40:14	*44:03	*03:04	*04:01	RSSO,SBT,SSP
3753 Reed,Elaine	*02:01/36/90	*23:01/04/12/17	*40:14	*44:03	*03:04/07/28/32+	*04:01/04/08+	SBT
3798 Reinsmoen,N	*02:01:01:01/01L	*23:01:01/17	*40:14:03	*44:03:01	*03:04:01	*04:01:01/09N+	PCR-SSO,SBT
4251 Schiller,J	*02:01P	*23:01P	*40:14	*44:03	*03:04	*04:01P	PCR-RSSO,SBT
3545 Scornik,Juan	*02:01/01L	*23:01/17	*40:14	*44:03	*03:04/07	*04:01/29/30+	SSO,SBT
8068 Shanmugam,He	*02	*23	*40	*44	*03	*04	PCR-SSP
4021 Trachtenberg	*02	*23	*40	*44	*03	*04	SSO,SSP
5462 Turner,E.V.	*02:01:01	*23:01:01/17	*40:14	*44:03	*03:04:01	*04:01:01	SEQ,SSO
797 Yabe,Hiromasa	*02:01/01L	*23:01/17	*40:14	*44:03	*03:04	*04:01/09N/30	SSO,SBT

INVESTIGATOR	DNA EXTRACT #555 (Caucasian)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
5488 Adams,Sharon	*03:11N	*32:01:01	*07	*40	*07	*15	SBT,RSSO
4691 Ajlan,Abdula	*03	*32	*07	*40	*07	*15	SSO
2332 Al-Awwami,Mo	*03	*32	*07	*40	*07	*15	RSSO,SSP
4345 Blasczyk,Rai	*03:11N	*32:01P	*07:02:01G	*40:02:01G	*07:02P	*15:02P	PCR-SBT
8038 Cao&Cano	*03:11N	*32:01:01	*07:02:01/61	*40:02:01	*07:02:01/50	*15:02:01	SSO,SSP,SBT
785 Chan,Soh Ha	*03:11N	*32:01/12	*07:02/120/128-130+	*40:02/144N/176+	*07:02/159/160+	*15:02/13/47	sbt
9916 Charlton,Ron	*03:11N	*32:01:01	*07:02	*40:02	*07:02:01	*15:02:01	SBT.SSP
8021 Clark,Brenda	*03:01+	*32:01+	*07:02+	*40:02+	*07:02+	*15:02+	PCR-SSP
1108 Clark,Traci	*03	*32	*07	*40	*07	*15	RSSO
5219 Daniel,Dolly	*03	*32	*07	*40			PCR-SSO
5323 Dhaliwal,J.S	*03	*32	*07	*40	*07	*15	PCR-SSP
5891 Du,Keming	*03:11N	*32:01	*07:02/06/61/91/143	*40:02/18/40/50	*07:02/19/39/49+	*15:02/03/07/17+	PCR-SBT
3766 Dunn,Paul	*03	*32	*07	*40	*07	*15	PCR-SSO,SSP
3135 Enczmann,J.	*03:11N	*32:01	*07:02	*40:02	*07:02	*15:02	SBT,SSO,SSP
762 Fischer&Mayr	*03:11N	*32:01	*07:02/61	*40:02	*07:02/50	*15:02	SSO,SSP,SBT
4079 Fort,Marylis	*03:11N	*32:01	*07:02/120/121	*40:02/18/40/56	*07:02	*15:02/51-53/56	PCR-SSP,SSO
8022 Hedlund,Anna	NT						
1461 Hidajat,Mela	*03:11N	*32:01	*07:02	*40:02	*07:02	*15:02	SSO,SSP,SBT
615 Holdsworth,R	*03:11N	*32:01:01G	*07:02:01G	*40:02:01G	*07:02:01G	*15:02:01G	SBT
745 Holman,Richa	*03:11N	*32:01:01	*07:02/143	*40:02/40	*07:02:01	*15:02:01	SSO,SSP,SBT
2344 Hurley&Hartz	*03:11N	*32:01:01/01:02	*07:02:01/02:06/02:09+	*40:02:01/56/97+	*07:02:01:01+	*15:02:01+	SBT,SSO
13 Kapoor/Park	*03:11N	*32:01	*07:02	*40:02	*07:02	*15:02	SSP
1694 Kissel&Hess	*03	*32	*07	*40	*07	*15	
87 Land,Geoff	*03:11N	*32:01	*07:02	*40:02	*07:02	*15:02	SBT,SSO,SSP
278 Lee,Jar-How	*03:11N	*32:01	*07:02	*40:02	*07:02	*15:02	SSP,RSSO
640 Lee,Kyung Wh	*03:11N	*32:01	*07:02/61	*40:02	*07:02/50	*15:02	PCR-SBT
5096 Lee,Sun-Ah	*03	*32	*07	*40			SSO
8042 Muncher,Lior	*03:11N	*32:01	*07:02	*40:02	*07:02	*15:02	SSO,SSP
9001 Muncher_LR	*03	*32	*07	*40	*07	*15	SSO,SSP
2847 Narisawa,Tad	*03	*32	*07	*40	*07	*15	RSSO
3966 Permpikul&Ve	*03	*32	*07	*40	*07	*15	PCR-SSP
2400 Phelan,Donna	*03:11N	*32:01	*07:02/61	*40:02	*07:02/50	*15:02	RSSO,SBT,SSP
3753 Reed,Elaine	*03:11N	*32:01	*07:02/05/06/61/91/143	*40:02/18/40/50	*07:02/19/39/49+	*15:02/03/07/17+	SBT
3798 Reinsmoen,N	*03:11N	*32:01:01	*07:02:01/61	*40:02:01	*07:02:01/50	*15:02:01	PCR-SSO,SBT
4251 Schiller,J	*03:11N	*32:01	*07:02P	*40:02	*07:02:01G	*15:02	PCR-RSSO,SBT
3545 Scornik,Juan	*03:11N	*32:01	*07:02/61	*40:02	*07:02/50	*15:02	SSO,SBT
8068 Shanmugam,He	*03	*32	*07	*40	*07	*15	PCR-SSP
4021 Trachtenberg	*03	*32	*07	*40	*07	*15	SSO,SSP
5462 Turner,E.V.	*03:11N	*32:01:01	*07:02/61	*40:02:01	*07:02:01	*15:02:01	SEQ,SSO
797 Yabe,Hiromasa	*03:11N	*32:01	*07:02/05/06+	*40:02/18	*07:02/50	*15:02	SSO,SBT

	INVESTIGATOR	DNA EXTRACT #556						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*02:11:01	*33:03:01	*15:02:01/223	*57:01:01/41	*06:02:01	*08:01:01/22	SBT,RSSO
4691	Ajlan,Abdula	*02	*33	*15	*57	*06	*08	SSO
2332	Al-Awwami,Mo	*02	*33	*15	*57	*06	*08	RSSO,SSP
4345	Blasczyk,Rai	*02:11P	*33:03P	*15:02P	*57:01P	*06:02:01G	*08:01P	PCR-SBT
8038	Cao&Cano	*02:11:01	*33:03:01	*15:02:01	*57:01:01	*06:02:01	*08:01:01/22	SSO,SSP,SBT
785	Chan,Soh Ha	*02:11/69/297	*33:03/15/25/31+	*15:02/214	*57:01/15/29/37/55	*06:02/46N/55+	*08:01/20/22/24+	SBT
9916	Charlton,Ron	*02:11:01	*33:03:01	*15:02:01	*57:01:01	*06:02:01	*08:01:01	SBT,SSP
8021	Clark,Brenda	*02:01:22/01:55+	*33:01+	*15:02+	*57:01+	*06:02+	*08:01+	PCR-SSP
1108	Clark,Traci	*02	*33	*15	*57	*06	*08	RSSO
5219	Daniel,Dolly	*02	*33	*15	*57			PCR-SSO
5323	Dhaliwal,J.S	*02	*33	*15(B75)	*57	*16	*08	PCR-SSP
5891	Du,Keming	*02:11	*33:03	*15:02/223	*57:01/41	*06:02/09/11/67	*08:01/10/11/16+	PCR-SBT
3766	Dunn,Paul	*02	*33	*15:02/112/213+	*57	*06	*08	PCR-SSO,SSP
3135	Enczmann,J.	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01	SBT,SSO,SSP
762	Fischer&Mayr	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01/22	SSO,SSP,SBT
4079	Fort,Marylis	*02	*33	*15	*57	*06	*08	PCR-SSP,SSO
8022	Hedlund,Anna	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01	SSP
1461	Hidajat,Mela	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01	SSO,SSP,SBT
615	Holdsworth,R	*02:11:01G	*33:03:01G	*15:02:01G	*57:01:01G	*06:02:01G	*08:01:01G	SBT
745	Holman,Richa	*02:11:01	*33:03:01	*15:02/223	*57:01/41	*06:02:01	*08:01:01	SSO,SSP,SBT
2344	Hurley&Hartz	*02:11:01/69	*33:03:01/03:03Q+	*15:02:01/214	*57:01:01/01:11+	*06:02:01:01+	*08:01:01/01:03+	SBT,SSO
13	Kapoor/Park	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01	SSP
1694	Kissel&Hess	*02	*33	*15	*57	*06	*08	
87	Land,Geoff	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01	SBT,SSP,SSO
278	Lee,Jar-How	*02:11	*33:03/03Q/25/39+	*15:02	*57:01/44/47	*06:02	*08:01/36N/46/50	SSP,RSSO
640	Lee,Kyung Wh	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01/22	PCR-SBT
5096	Lee,Sun-Ah	*02	*33	*15	*57			SSO
8042	Muncher,Lior	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01	SSO,SSP
9001	Muncher_LR	*02	*33	*15	*57	*06	*08	SSO,SSP
2847	Narisawa,Tad	*02	*33	*15	*57	*06	*08	RSSO
3966	Permpikul&Ve	NT						
2400	Phelan,Donna	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01/22	RSSO,SBT,SSP
3753	Reed,Elaine	*02:11	*33:03	*15:02/223	*57:01/41	*06:02/09/11/67	*08:01/10/11/16+	SBT
3798	Reinsmoen,N	*02:11:01	*33:03:01	*15:02:01	*57:01:01	*06:02:01	*08:01:01/22	PCR-SSO,SBT
4251	Schiller,J	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01:01G	PCR-RSSO,SBT
3545	Scornik,Juan	*02:11	*33:03	*15:223	*57:41	*06:02	*08:01/22	SSO,SBT
8068	Shanmugam,He	*02	*33	*15	*57	*06	*08	PCR-SSP
4021	Trachtenberg	*02	*33	*15	*57	*06	*08	SSO,SSP
5462	Turner,E.V.	*02:11:01	*33:03:01	*15:02/223	*57:01/41	*06:02:01	*08:01:01	SEQ,SSO
797	Yabe,Hiromasa	*02:11	*33:03	*15:02	*57:01	*06:02	*08:01/22	SSO,SBT

SUMMARY

Extract 553 (Caucasian)

40 labs

A*01	40%
A*01:01/01N/100	2%
A*01:01:01/100	5%
A*01:01/01N	10%
A*01:01	23%
A*01:01:01	3%
A*01:01:01:01	2%
A*01:01:01G	10%
A*01	95% TOTAL
A*03	53%
A*03:01/01N	10%
A*03:01	22%
A*03:01:01	5%
A*03:01:01G	8%
A*03	98% TOTAL

40 labs

B*08	50%
B*08:01	35%
B*08:01:01	10%
B*08:01:01G	5%
B*08	100% TOTAL
B*40	30%
B*40:31/80	12%
B*40:31	58%
B*40	100% TOTAL

38 labs

C*03	50%
C*03:04	34%
C*03:04:01	10%
C*03:04P	3%
C*03:04:01G	3%
C*03	100% TOTAL
C*07	50%
C*07:01/06/18	16%
C*07:01/18	3%
C*07:01	21%
C*07:01:01	3%
C*07:01P	5%
C*07:01:01G	3%
C*07	100% TOTAL

Extract 554 (Caucasian)

40 labs

A*02	47%
A*02:01/01L	13%
A*02:01	18%
A*02:01:01	13%
A*02:01P	2%
A*02:01:01G	7%
A*02	100% TOTAL
A*23	48%
A*23:01/17	25%
A*23:01	18%
A*23:01:01	2%
A*23:01P	2%
A*23:01:01G	5%
A*23	100% TOTAL

40 labs

B*40	37%
B*40:14	48%
B*40:14:03	15%
B*40	100% TOTAL
B*44	40%
B*44:03	48%
B*44:03:01	8%
B*44:03P	2%
B*44:03:01G	2%
B*44	100% TOTAL

38 labs

C*03	50%
C*03:04	37%
C*03:04:01	8%
C*03:04P	2%
C*03:04:01G	3%
C*03	100% TOTAL
C*04	63%
C*04:01	24%
C*04:01:01	5%
C*04:01P	3%
C*04:01:01G	5%
C*04	100% TOTAL

Extract 555 (Caucasian)

39 labs

A*03	36%
A*03:11N	64%
A*03	100% TOTAL
A*32	38%
A*32:01	39%
A*32:01:01	18%
A*32:01P	2%
A*32:01:01G	3%
A*32	100% TOTAL

39 labs

B*07	56%
B*07:02/61	18%
B*07:02	18%
B*07:02P	3%
B*07:02:01G	5%
B*07	100% TOTAL
B*40	56%
B*40:02	31%
B*40:02:01	8%
B*40:02:01G	5%
B*40	100% TOTAL

37 labs

C*07	46%
C*07:02/50	19%
C*07:02	19%
C*07:02:01	8%
C*07:02P	3%
C*07:02:01G	5%
C*07	100% TOTAL
C*15	49%
C*15:02	32%
C*15:02:01	14%
C*15:02P	2%
C*15:02:01G	3%
C*15	100% TOTAL

Extract 556

39 labs

A*02	41%
A*02:11	38%
A*02:11:01	15%
A*02:11P	3%
A*02:11:01G	3%
A*02	100% TOTAL
A*33	43%
A*33:03	36%
A*33:03:01	15%
A*33:03P	3%
A*33:03:01G	3%
A*33	100% TOTAL

39 labs

B*15	41%
B*15:02/223	13%
B*15:02	31%
B*15:02:01	8%
B*15:02P	2%
B*15:02:01G	3%
B*15:223	2%
B*15	100% TOTAL
B*57	44%
B*57:01/41	13%
B*57:01	28%
B*57:01:01	8%
B*57:01P	2%
B*57:01:01G	3%
B*57:41	2%
B*57	100% TOTAL

37 labs

C*06	41%
C*06:02	35%
C*06:02:01	16%
C*06:02:01G	5%
C*06	97% TOTAL
C*08	46%
C*08:01/22	22%
C*08:01	16%
C*08:01:01	8%
C*08:01P	3%
C*08:01:01G	5%
C*08	100% TOTAL

CTR	INVESTIGATOR NAME	CELL NO.1465 (Asian) A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*11	*30	*15:25	*40:01	*07		PCR-SSP
8075	Al-Baz,Nabe	*11	*30	*15	*40	*07	*07	SSO
16	Askar,Medhat	*11:01:01//*11:33:02	*30:01:01//*30:54	*15:25:01	*40:01	*07:02:01/50		PCR-RSSO,SBT
774	Cecka,J.Mich	*11	*30	*15:25	*40	*07		SSP
4492	Charron,D.	*11:01/56/58/59/61+	*30:01/35/38/40+	*15:25/219	*40:01/88/102/116+	*07:02/100/102/105/114+		PCR-SSO,SSP
798	Claas,F.H.J.	*11:01/33	*30:01/54	*15:25:01	*40:01:02	*07:02:01		SBT,SSP
3632	Colombe,Beth	*11:01	*30:01	*15:25	*40:01	*07:02		SSO,SSP
5130	Costeas,Paul	*11:01/46	*30:01	*15:25	*40:01	*07:02		SSP
779	Daniel,Claud	*11	*30	*15(B62)	*40(B60)	*07		PCR-SSP
8052	Del Pozo,Ana	*11	*30	*15:25/204/219	*40			PCR-SSO
3766	Dunn,Paul	*11	*30:01+	*15:25/204/219	*40:01+	*07		SSO
5214	Eckels/CPMC	*11	*30	*15(B62)	*40(B60)	*07		SSO
762	Fischer&Mayr	*11:01	*30:01	*15:25	*40:01	*07:02/50		SSO,SSP,SBT
792	Gandhi,Manish	*11:01	*30:01	*15:25	*40:01	*07:02		SSO,SSP
8043	Gideoni,Osna	*11:01	*30:01	*15:25	*40:01	*07:02		
9002	Gideoni_LR	*11	*30	*15	*40	*07		
810	Hamdi,Nuha	*11:01	*30:01	*15:25	*40:88	*07:02	*07:02	SSO
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*11	*30	*15:25	*40:01+	*07:02+		SSP
745	Holman,Richa	*11:01:01	*30:01:01	*15:25	*40:01	*07:02:01		SSO,SSP,SBT
771	Israel,Shosh	*11:01	*30:01	*15:25	*40:01	*07:02		SSP,SBT
9003	Israel_LR	*11	*30	*15	*40	*07		PCR-SSO
859	Kamoun,Malek	*11:01	*30:01	*15:25	*40:01	*07:02		PCR-SBT,SSP
4337	Kim,Tai-Gyu	*11:01/21N/69N/86+	*30:01/24	*15:25	*40:01/55/141/150+	*07:02/50/66/74/159/160		SBT
725	Lardy,N.M.	*11	*30	*15	*40	*07		SSO,SSP
278	Lee,Jar-How	*11:01	*30:01/53/56	*15:25	*40:01	*07:02		SSP,RSSO
6649	Lim,Young Ae	*11	*30	*15(B62)	*40(B60)	*07		SSP
274	Lo,Raymundo	*11	*30	*15	*40	*07	*07	SSO
731	Loewenthal,R	*11:01:01	*30:01	*15:25:01	*40:01:02	*07:02		SBT,SSO
759	Lopez-Cepero	*11:01-03/07/21N+	*30:01/15/18-20+	*15:25	*40:01/22N/43/54+	*07:02/05/13/23/15+		RSSO
23	Mah,Helen	*11	*30	*15:25	*40:01	*07	*07	PCR-SSO
8029	Mani,Rama	*11	*30	*15	*40			PCR-SSP
206	McAlack-Hana	*11	*30	*15(B62)	*40(B60)	*07	*07	RSSO
8001	Rao,Prakash	*11	*30	*15:25	*40:01	*07		RSSO,SSP
3625	Rees,Tracey	*11:01	*30:01	*15:25	*40:01	*07:02		PCR-SSP,SBT
5200	Reinke,Denni	*11	*30	*15(B62)	*40(B60)	*07		SSP
3519	Renac,Virgi	*11:01	*30:01	*15:25	*40:01	*07:02		SBT,PCR-SSP
1160	Rosen-Bronso	*11:01/33	*30:01/54	*15:25	*40:01	*07:02/50		SSP,RSSO,SBT
793	Rubocki,Ron	*11	*30	*15(B62)	*40(B60)	*07		SSP
4251	Schiller,J	*11:01	*30:01	*15:25	*40:01	*07:02:01G	*07:02:01G	PCR-RSSO,SBT
5451	Tilanus,Marc	*11:01:01	*30:01:01	*15:25:01	*40:01:02	*07:02:01		SBT
5462	Turner,E.V.	*11:01:01	*30:01:01	*15:25:01	*40:01	*07:02:01		SEQ,SSO
3186	Watson,Narel	*11	*30	*15:25	*40:01	*07		SSO,SBT

INVESTIGATOR	CELL NO.1466 (Black)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8070 Ahn,Jaeie	*29	*30	*49	*15:10	*03:04	*07	PCR-SSP
8075 Al-Baz,Nabe	*29	*30	*49	*15	*03	*07	SSO
16 Askar,Medhat	*29:02:01	*30:02:01	*49:01:01	*15:10:01	*03:04:02//*03:38:01	*07:01:01//*07:40	PCR-RSSO,SBT
774 Cecka,J.Mich	*29	*30	*49	*15:10/72/133	*03	*07	SSP
4492 Charron,D.	*29:02/23/25/27	*30:02/50	*49:01/13-16+	*15:10	*03:04	*07:01/103/104N+	PCR-SSO,SSP
798 Claas,F.H.J.	*29:02:01	*30:02:01	*49:01:01	*15:10:01	*03:04:02	*07:01	SBT,SSP
3632 Colombe,Beth	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	SSO,SSP
5130 Costeas,Paul	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	SSP
779 Daniel,Claud	*29	*30	*49	*15:10	*03(Cw10)	*07	PCR-SSP
8052 Del Pozo,Ana	*29	*30	*49	*15:10/90			PCR-SSO
3766 Dunn,Paul	*29	*30:02+	*49	*15:10/90	*03	*07	SSO
5214 Eckels/CPMC	*29	*30	*49	*15(B71)	*03(Cw10)	*07	SSO
762 Fischer&Mayr	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01/06/18	SSO,SSP,SBT
792 Gandhi,Manish	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	SSO,SSP
8043 Gideoni,Osna	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	
9002 Gideoni_LR	*29	*30	*49	*15	*03	*07	
810 Hamdi,Nuha	*29:02	*30:02	*49:01	*15:10	*03:02	*07:01	SSO
4269 Hanau,Daniel	NT						
3808 Hogan,Patric	*29	*30	*49	*15:10/90/99	*03:04+	*07:01+	SSP
745 Holman,Richa	*29:02:01	*30:02:01	*49:01:01	*15:10:01	*03:04	*07	SSO,SSP,SBT
771 Israel,Shosh	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	SSP,SBT
9003 Israel_LR	*29	*30	*49	*15	*03	*07	PCR-SSO
859 Kamoun,Malek	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	PCR-SBT,SSP
4337 Kim,Tai-Gyu	*29:02/26	*30:02/33	*49:01	*15:10	*03:04/100/101/105+	*07:01/18/52/153	SBT
725 Lardy,N.M.	*29	*30	*49	*15	*03	*07	SSO,SSP
278 Lee,Jar-How	*29:02	*30:02	*49:01:01	*15:10	*03:04	*07:01	SSP,RSSO
6649 Lim,Young Ae	*29	*30	*49	*15(B71)	*03(Cw10)	*07	SSP
274 Lo,Raymundo	*29	*30	*49:01	*15	*03:90	*07:01	SSO
731 Loewenthal,R	*29:02	*30:02:01	*49	*15:10:01	*03:04:02	*07:01	SBT,SSO
759 Lopez-Cepero	*29:01/02/04/06+	*30:02/10/12+	*49:01/06/08	*15:10/90	*03:04/02/05/06/08+	*07:01/05/06/16+	RSSO
23 Mah,Helen	*29:02/26	*30:02/33	*49	*15:10	*03:04	*07	PCR-SSO
8029 Mani,Rama	*29	*30	*49	*15			PCR-SSP
206 McAlack-Hana	*29	*30	*49	*15(B71)	*03(Cw10)	*07	RSSO
8001 Rao,Prakash	*29	*30	*49	*15:10	*03:02/04-06/08/09	*07	RSSO,SSP
3625 Rees,Tracey	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	PCR-SSP,SBT
5200 Reinke,Denni	*29	*30	*49	*15(B71)	*03(Cw10)	*07	SSP
3519 Renac,Virgi	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01	SBT,PCR-SSP
1160 Rosen-Bronso	*29	*30	*49:01	*15:10	*03	*07	SSP,RSSO,SBT
793 Rubocki,Ron	*29	*30	*49	*15(B71)	*03(Cw10)	*07	SSP
4251 Schiller,J	*29:02	*30:02	*49:01	*15:10	*03:04	*07:01:01G	PCR-RSSO,SBT
5451 Tilanus,Marc	*29:02:01	*30:02:01	*49:01:01	*15:10:01	*03:04:02	*07:01:01	SBT
5462 Turner,E.V.	*29:02:01	*30:02:01	*49:01:01	*15:10:01	*03:04	*07:01	SEQ,SSO
3186 Watson,Narel	*29	*30	*49	*15:10/90	*03	*07	SSO,SBT

INVESTIGATOR	CELL NO.1467 (Hispanic)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8070 Ahn,Jaeie	*03	*74	*38	*50	*06	*12	PCR-SSP
8075 Al-Baz,Nabe	*03	*74	*38	*50	*06	*12	SSO
16 Askar,Medhat	*03:01:01	*74:01/02	*38:01:01	*50:01:01	*06:02:01//*06:11//+	*12:03:01//*12:04:02//+	PCR-RSSO,SBT
774 Cecka,J.Mich	*03	*74	*38	*50	*06	*12	SSP
4492 Charron,D.	*03:01/72/80+	*74:01	*38:01/31/34N	*50:01/10+	*06:02/46N/48/49N+	*12:03/52/57/60/62+	PCR-SSO,SSP
798 Claas,F.H.J.	*03:01:01	*74:01/02	*38:01:01	*50:01:01	*06:02:01	*12:03:01	SBT,SSP
3632 Colombe,Beth	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	SSO,SSP
5130 Costeas,Paul	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	SSP
779 Daniel,Claud	*03	*74	*38	*50	*06	*12	PCR-SSP
8052 Del Pozo,Ana	*03	*74	*38:01/09/21+	*50			PCR-SSO
3766 Dunn,Paul	*03	*74	*38	*50	*06	*12	SSO
5214 Eckels/CPMC	*03	*74	*38	*50	*06	*12	SSO
762 Fischer&Mayr	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	SSO,SSP,SBT
792 Gandhi,Manish	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	SSO,SSP
8043 Gideoni,Osna	*03	*74	*38	*50	*06	*12	
9002 Gideoni_LR	*03	*74	*38	*50	*06	*12	
810 Hamdi,Nuha	*03:01	*74:01	*38:01	*50:01	*06:02	*12:02	SSO
4269 Hanau,Daniel	NT						
3808 Hogan,Patric	*03	*74	*38	*50	*06	*12:03+	SSP
745 Holman,Richa	*03:01:01	*74:01	*38:01:01	*50:01:01	*06:02:01	*12:03:01	SSO,SSP,SBT
771 Israel,Shosh	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	SSP,SBT
9003 Israel_LR	*03	*74	*38	*50	*06	*12	PCR-SSO
859 Kamoun,Malek	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	PCR-SBT,SSP
4337 Kim,Tai-Gyu	*03:01/20/21N+	*74:01/02	*38:01	*50:01	*06:02/46N/55/73	*12:03/23	SBT
725 Lardy,N.M.	*03	*74	*38	*50	*06	*12	SSO,SSP
278 Lee,Jar-How	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03:01	SSP,RSSO
6649 Lim,Young Ae	*03	*74	*38	*50	*06	*12	SSP
274 Lo,Raymundo	*03	*74	*38	*50	*06	*12	SSO
731 Loewenthal,R	*03:01:01	*74:01	*38:01:01	*50:01:01	*06:02	*12:03	SBT,SSO
759 Lopez-Cepero	*03:01/04/11N+	*74:01-03/09+	*38:01/09/20+	*50:01/08/09	*06:02/07/10-12+	*12:03/02/04/06/11+	RSSO
23 Mah,Helen	*03	*74:01/02	*38:01/31	*50	*06	*12	PCR-SSO
8029 Mani,Rama	*03	*74	*38	*50			PCR-SSP
206 McAlack-Hana	*03	*74	*38	*50	*06	*12	RSSO
8001 Rao,Prakash	*03	*74	*38	*50	*06	*12	RSSO,SSP
3625 Rees,Tracey	*03:01	*74:01/02	*38:01	*50:01	*06	*12	PCR-SSP,SBT
5200 Reinke,Denni	*03	*74	*38	*50	*06	*12	SSP
3519 Renac,Virgi	*03:01	*74:01	*38:01	*50:01	*06:02	*12:03	SBT,PCR-SSP
1160 Rosen-Bronso	*03	*74	*38:01	*50:01	*06:02	*12:03	SSP,RSSO,SBT
793 Rubocki,Ron	*03	*74	*38	*50	*06	*12	SSP
4251 Schiller,J	*03:01:01G	*74:01:01G	*38:01	*50:01	*06:02	*12:03	PCR-RSSO,SBT
5451 Tilanus,Marc	*03:01:01	*74:01	*38:01:01	*50:01:01	*06:02:01	*12:03:01	SBT
5462 Turner,E.V.	*03:01:01	*74:01/02:01	*38:01:01	*50:01:01	*06:02:01	*12:03:01	SEQ,SSO
3186 Watson,Narel	*03	*74	*38	*50	*06	*12	SSO,SBT

INVESTIGATOR	CELL NO.1468 (Black)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8070 Ahn,Jaeie	*03	*30	*41	*42	*17		PCR-SSP
8075 Al-Baz,Nabe	*03	*30	*41	*42	*17		SSO
16 Askar,Medhat	*03:01:01//*03:22:01//+	*30:01:01//*30:54//+	*41:02:01	*42:02	*17:01:01/02/03		PCR-RSSO,SBT
774 Cecka,J.Mich	*03	*30	*41	*42	*17		SSP
4492 Charron,D.	*03:01/80/81/84-86/91N+	*30:01/35-38/40/42+	*41:02/10/13/15+	*42:02	*17:01	*17:01/08+	PCR-SSO,SSP
798 Claas,F.H.J.	*03:01:01	*30:01:01	*41:02:01	*42:02	*17:01:01		SBT,SSP
3632 Colombe,Beth	*03:01	*30:01	*41:02	*42:02	*17:01		SSO,SSP
5130 Costeas,Paul	*03:01	*30:01	*41:02	*42:02	*17:01		SSP
779 Daniel,Claud	*03	*30	*41	*42	*17		PCR-SSP
8052 Del Pozo,Ana	*03	*30	*41:02/10/11/13+	*42:02			PCR-SSO
3766 Dunn,Paul	*03	*30:01+	*41	*42:02	*17		SSO
5214 Eckels/CPMC	*03	*30	*41	*42	*17		SSO
762 Fischer&Mayr	*03:01	*30:01	*41:02	*42:02	*17:01		SSO,SSP,SBT
792 Gandhi,Manish	*03:01	*30:01	*41:02	*42:02	*17:01		SSO,SSP
8043 Gideoni,Osna	*03	*30	*41	*42	*17		
9002 Gideoni_LR	*03	*30	*41	*42	*17		
810 Hamdi,Nuha	*03:01	*30:01	*41:02	*42:02	*17:01	*17:01	SSO
4269 Hanau,Daniel	NT						
3808 Hogan,Patric	*03	*30	*41	*42	*17		SSP
745 Holman,Richa	*03:01:01	*30:01:01	*41:02:01	*42:02	*17:01:01		SSO,SSP,SBT
771 Israel,Shosh	*03:01	*30:01	*41:02	*42:02	*17:01		SSP,SBT
9003 Israel_LR	*03	*30	*41	*42	*17		PCR-SSO
859 Kamoun,Malek	*03:01	*30:01	*41:02	*42:02	*17:01		PCR-SBT,SSP
4337 Kim,Tai-Gyu	*03:01/20/21N/26/37+	*30:01/24	*41:02	*42:02	*17:01-03		SBT
725 Lardy,N.M.	*03	*30	*41	*42	*17		SSO,SSP
278 Lee,Jar-How	*03:01:01	*30:01:01	*41:02:01	*42:02	*17:01:01		SSP,RSSO
6649 Lim,Young Ae	*03	*30	*41	*42	*17		SSP
274 Lo,Raymundo	*03	*30	*41	*42:02	*17	*17	SSO
731 Loewenthal,R	*03:01:01	*30:01	*41:02:01	*42:02	*17:01		SBT,SSO
759 Lopez-Cepero	*03:01/03N/04/11N/13+	*30:01/15/18-20+	*41:02/10/11	*42:02	*17:01-04/06+		RSSO
23 Mah,Helen	*03	*30	*41	*42:02	*17:01	*17	PCR-SSO
8029 Mani,Rama	*03	*30	*41	*42			PCR-SSP
206 McAlack-Hana	*03	*30	*41	*42	*17	*17	RSSO
8001 Rao,Prakash	*03	*30	*41	*42	*17		RSSO,SSP
3625 Rees,Tracey	*03:01	*30:01	*41:02	*42:01/02	*17		PCR-SSP,SBT
5200 Reinke,Denni	*03	*30	*41	*42	*17		SSP
3519 Renac,Virgi	*03:01	*30:01	*41:02	*42:02	*17:01		SBT,PCR-SSP
1160 Rosen-Bronso	*03	*30	*41:02	*42:02	*17:01/03		SSP,RSSO,SBT
793 Rubocki,Ron	*03	*30	*41	*42	*17		SSP
4251 Schiller,J	*03:01:01G	*30:01	*41:02	*42:02	*17:01:01G	*17:01:01G	PCR-RSSO,SBT
5451 Tilanus,Marc	*03:01:01	*30:01:01	*41:02:01	*42:02	*17:01:01		SBT
5462 Turner,E.V.	*03:01	*30:01	*41:02:01	*42:02	*17:01:01		SEQ,SSO
3186 Watson,Narel	*03	*30	*41	*42	*17		SSO,SBT

Cell 1465 (Asian)

42 labs

A*11	64%
A*11:01	26%
A*11:01:01	10%
A*11	100% TOTAL
A*30	64%
A*30:01	29%
A*30:01:01	7%
A*30	100% TOTAL

42 labs

B*15	36%
B*15:25	52%
B*15:25:01	12%
B*15	100% TOTAL
B*40	45%
B*40:01	45%
B*40:01:02	7%
B*40:88	3%
B*40	100% TOTAL

40 labs

C*07	53%
C*07:02/50	7%
C*07:02	28%
C*07:02:01	10%
C*07:02:01G	2%
C*07	100% TOTAL

Cell 1466 (Black)

42 labs

A*29	57%
A*29:02	31%
A*29:02:01	12%
A*29	100% TOTAL
A*30	57%
A*30:02	29%
A*30:02:01	14%
A*30	100% TOTAL

42 labs

B*49	53%
B*49:01	33%
B*49:01:01	14%
B*49	100% TOTAL
B*15	31%
B*15:10/90	10%
B*15:10	45%
B*15:10:01	14%
B*15	100% TOTAL

40 labs

C*03	48%
C*03:02	2%
C*03:04	40%
C*03:04:02	8%
C*03:90	2%
C*03	100% TOTAL
C*07	60%
C*07:01	35%
C*07:01:01	3%
C*07:01:01G	2%
C*07	100% TOTAL

Cell 1467(Hispanic)

42 labs

A*03	59%
A*03:01	24%
A*03:01:01	14%
A*03:01:01G	3%
A*03	100% TOTAL
A*74	53%
A*74:01/02	14%
A*74:01	31%
A*74:01:01G	2%
A*74	100% TOTAL

42 labs

B*38	55%
B*38:01	31%
B*38:01:01	14%
B*38	100% TOTAL
B*50	55%
B*50:01	31%
B*50:01:01	14%
B*50	100% TOTAL

40 labs

C*06	60%
C*06:02	30%
C*06:02:01	10%
C*06	100% TOTAL
C*12	60%
C*12:02	2%
C*12:03	25%
C*12:03:01	13%
C*12	100% TOTAL

Cell 1468 (Black)

42 labs

A*03	62%
A*03:01	24%
A*03:01:01	12%
A*03:01:01G	2%
A*03	100% TOTAL
A*30	64%
A*30:01	26%
A*30:01:01	10%
A*30	100% TOTAL

42 labs

B*41	55%
B*41:02	28%
B*41:02:01	17%
B*41	100% TOTAL
B*42	43%
B*42:02	57%
B*42	100% TOTAL

40 labs

C*17	57%
C*17:01	28%
C*17:01:01	12%
C*17:01:01G	3%
C*17	100% TOTAL

	Cell No 1465 (Asian)									Cell No 1466 (Black)									Cell No 1467 (Hispanic)									Cell No 1468 (Black)							
Investigator	Days Old	Viab %	+A11	+A30	+B62	+B60	+CW7	BW6	OTHERS	Viab %	+A29	+A30	+B49	B70	CW3	+CW7	BW4	BW6	OTHERS	Viab %	+A3	+A74	+B38	+B50	+CW6	BW4	BW6	OTHERS	Viab %	+A3	+A30	+B41	+B42	CW17	BW6	OTHERS
Alonso, Anton	???	90	+	+	+	+	+				+	+	+	B71	CW10	+																		
Alvarez, Carr	???	90	+	+	B15	+		+		80	+	+	+	B71			+	+		85	+	+	+	+		+	+		90	+	+	+	+		+	
Askar, Medhat	2	95	+	+	+	+	+	+		95	+	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+		95	+	+	+	+	+	+	
Cecka, J. Mic	???	95	+	+	+	+		+		95	+	+	+	B71			+	+		95	+	+	+	+		+	+		95	+	+	+	+		+	
Charron, Domi	???	100	+	+	+	B40				100	+	+	+	B71						100	+	+	+	B21					100	+	+	+	+			
Claas, F.H.J.	6	90	+	+	+	+		+		70	+	+	B21		+		+	+		90	+	+	+	+		+	+		90	+	+	+	+		+	
Dunk, Arthur	???	98	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Dunn, Paul	???	99	+	+	+	+		+		95	+	+	+	+			+	+		95	+	+	+	+		+	+		98	+	+	+	+		+	
Enczmann, J	???	98	+	+	+	+				98	+	+	+	B71						98	+	+	+	+					98	+	+	+	+			
Esteves Kondo	21	98	+	+	+	+	+	+		98	+	+	+	B71	+	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Fort, Marylis	3	98	+	+	+	+		+		98	+	+	+	+			+	+		98	+	+	+	+		+	+		98	+	+	+	+		+	
Gideoni, Osna	???																																			
Hahn, Amy B.	???	99	+	+	+	+	+	+	CW8	99	+	+	B21		CW10	+	+	+	B15>	98	+	+	+	+	+	+	+		99	+	+	+	+	+	+	CW7
Harville, Ter	???	98	+	+	+	+	+	+		98	+	+	+	B71	+	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Hesse, Kissel	???	93	+	+	+	+	+			90	+	+	+	B71	+	+				93	+	+	+	+	+				93	+	+	+	+	+		CW7
Hogan, Patric	8	85	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+		85	+	+	+	+	+	+	+		85	+	+	+	+	+	+	
Holdsworth, R	13	95	+		+	+		+	A31	90	+	+	+	B71			+	+		98	+	+	+	+		+	+		98	+	+	+	+		+	
Holman, Richa	3	93	+	+	+	+				93	+	+	+	+						95	+	+	+	+					98	+	+	+	+			
Hubbell, Char	???	95	+	+	+	+		+		95	+	+	+	B71			+	+		95	+	+	+	+		+	+		95	+	+	+	+		+	
Israel, Shosh	???	95	+	+	+	+	+	+		95	+	+	+	B71	+	+	+	+		95	+	+	+	+	+	+	+		95	+	+	+	+	+	+	
Kapoor, Parkm	1	100	+	+	+	+	+	+		100	+	+	+	B71	+	+	+	+		100	+	+	+	+	+	+	+		100	+	+	+	+	+	+	
Keown, Paul M	???	99	+	+	B15	+		+		99	+	+	B21	+			+	+		99	+	+	+	B21		+	+		99	+	+	+	+		+	
Klein, Tirza	???	70	+	+	+	+	+	+	CW3	70	+	+	+	B71	+	+	+	+		85	+	+	+	+	+	+	+		85	+	+		+		+	CW7>
Kvam, Vonnett	???																																			
Loewenthal MD	5	80	+	+	+	+	+	+		90	+	+	+	B71	+	+	+	+		70	+	+	+	+	+	+	+		90	+	+	+	+		+	
Mah, Helen	3	98	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
McCluskey, Ja	13	50	+		+	+	+	+	A31	45	+	+	+	+	+	+	+	+		50	+	+	+	+	+	+	+		0							
Meyer, Pieter	8	80	+	+	+	+	+			75	+	+	B21		+	+			B35	80	+		+	+	+				85	+	+	+	+			CW7>
Mpuntsha, Loy	???		+		+	+			A31		+	+	+	B71							+		+	+						+	+	+			B7
Norin, Allen	2	99	+	+	+	+		+		99	+	+	+	B71			+	+	B75	99	+	+	+	+		+	+		99	+	+	+	+		+	
Pancoska, Car	2	98	+	+	+	+	+	+		98	+	+	+	B71	CW10	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Permpikul, Ve	6	85	.1	+	+	+		+		85	+	+	+	+			+	+		85	+	+	+	+		+	+		85	+	+	+	+		+	
Pollack, Mari	???																																			
Rees, Tracey	6	90	+	+	+	+	+	+		90	+	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+		90	+	+	+	+	+	+	
Renac, Virgin	???	99	+	+		+		+		99	+	+	B21	+			+	+		99	+	+	+	B21		+	+		99	+	+	+	+		+	
Rosen-Bronson	???	90	+	+	+	+	+			90	+	+	+	B71	+	+				90	+	+	+	+	+				90	+	+	+	+	+		
Rubocki, Rona	???	97	+	+	+	+	+	+		96	+	+	+	+	+	+	+	+		97	+	+	+	+	+	+	+	CW12	99	+	+	+	+	+	+	
Shai, Isaac	13																																			
Stamm, Luz	6	70	+	+	+	+	+			70	+	+	+	B71	+	+				70	+	+	+	+	+		CW12		70	+	+	+	+	+		
Stavropoulos,	???	95	+	+		+	+	+	B75	95	+	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+	CW12	95	+	+	+	+	+	+	
Tiercy, Jean-	???																																			
Tilanus, Marc	6	90	+	+	+	+		+		90	+	+	+	+			+	+		90	+	+	+	+		+	+		90	+	+	+	+		+	
Varnavidou-Ni	???																																			
Vidan-Jeras,	???	C	+	+	B15	B40				95	+	+	+	B71			+	+		100	+	+	+	+		+	+		100	+	+	+	+		+	
Walter Reed N	???	99	+	+	+	+	+			99	+	+	+	+	+	+				99	+	+	+	+	+				99	+	+	+	+	+		
Watson, Narel	9	80	+	A19	+	B40		+		70	A19		+				+	+		80	+	A19	+	+		+	+		60	+	A19	+	+		+	
Wisecarver, J	6	98	+	+	+	+		+		98	+	+	+	+			+	+		98	+	+	+	+		+	+		98	+	+	+	+		+	

SUMMARY TABLE

(Asian) Cell 1465 (41 Samples Typed)	
A11	97.6%
A11.1	2.4%
	[100.0%]
A30	90.2%
A19	2.4%
	[92.7%]
B62	87.8%
B15	7.3%
	[95.1%]
B60	92.7%
B40	7.3%
	[100.0%]
CW7	53.7%
BW6	73.2%

Others Found	
A31	7.3%
CW3	2.4%
B75	2.4%
CW8	2.4%

(Black) Cell 1466 (41 Samples Typed)	
A29	97.6%
A19	2.4%
	[100.0%]
A30	97.6%
	[97.6%]
B49	87.8%
B21	12.2%
	[100.0%]
B70	41.5%
B71	48.8%
	[90.2%]
CW3	48.8%
CW10	7.3%
	[56.1%]
CW7	53.7%
BW4	75.6%
BW6	75.6%

Others Found	
B35	2.4%
B75	2.4%
B15	2.4%
CW8	2.4%

(Hispanic) Cell 1467 (41 Samples Typed)	
A3	100.0%
A74	92.7%
A19	2.4%
	[95.1%]
B38	100.0%
	[100.0%]
B50	92.7%
B21	7.3%
	[100.0%]
CW6	53.7%
	[53.7%]
BW4	75.6%
BW6	75.6%

Others Found	
CW12	7.3%

(Black) Cell 1468 (40 Samples Typed)	
A3	100.0%
A30	97.5%
A19	2.5%
	[100.0%]
B41	97.5%
B42	97.5%
CW17	42.5%
BW6	75.0%

Others Found	
CW7	10.0%
CW2	2.5%
B55	2.5%
B7	2.5%