REPORT OF THE 365TH CELL EXCHANGE

MAY 2, 2012

B-cell Line	**469-470**
Serum	**1081-1084**
DNA Extract	**545-548**
Cells	**1457-1460**

B-cell line Exchange

We would like to express our appreciation to **Jane Rowlands, Helen Bass, and Christopher Darke, Welsh Blood Service, Pontyclun**, for graciously providing the rare and valuable reference cells typed in this study.

Ter 469. This cell was 13976036, one of the reference DRB1*13:10 cells, as noted by Tiercy. It was previously typed in the Cell Exchange as Ter 382 (2006), as correctly identified by Chen, Clark, Hahn, Lopez-Cepero, Stamm, and Tiercy.

DRB1*13:10 (80%) was assigned by the majority of the labs.

DRB1*04:01 (69%) was the second DRB1 type, with 12% reporting DRB1*04:01:01.

DQB1*03:01 and DQB1*06:03 were the DQB1 alleles, assigned by 58% and 59% respectively.

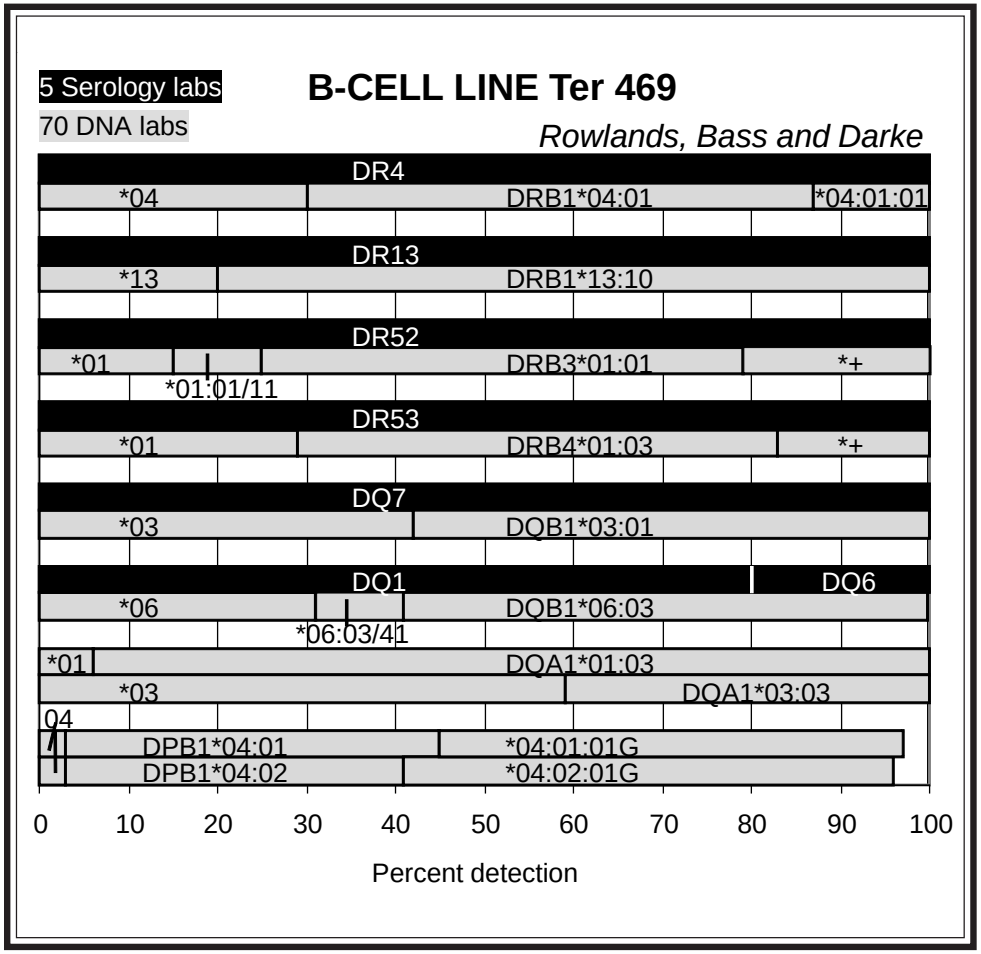
DQA1*01:03 (94%) and DQA1*03:03 (41%) were the DQA1 types.

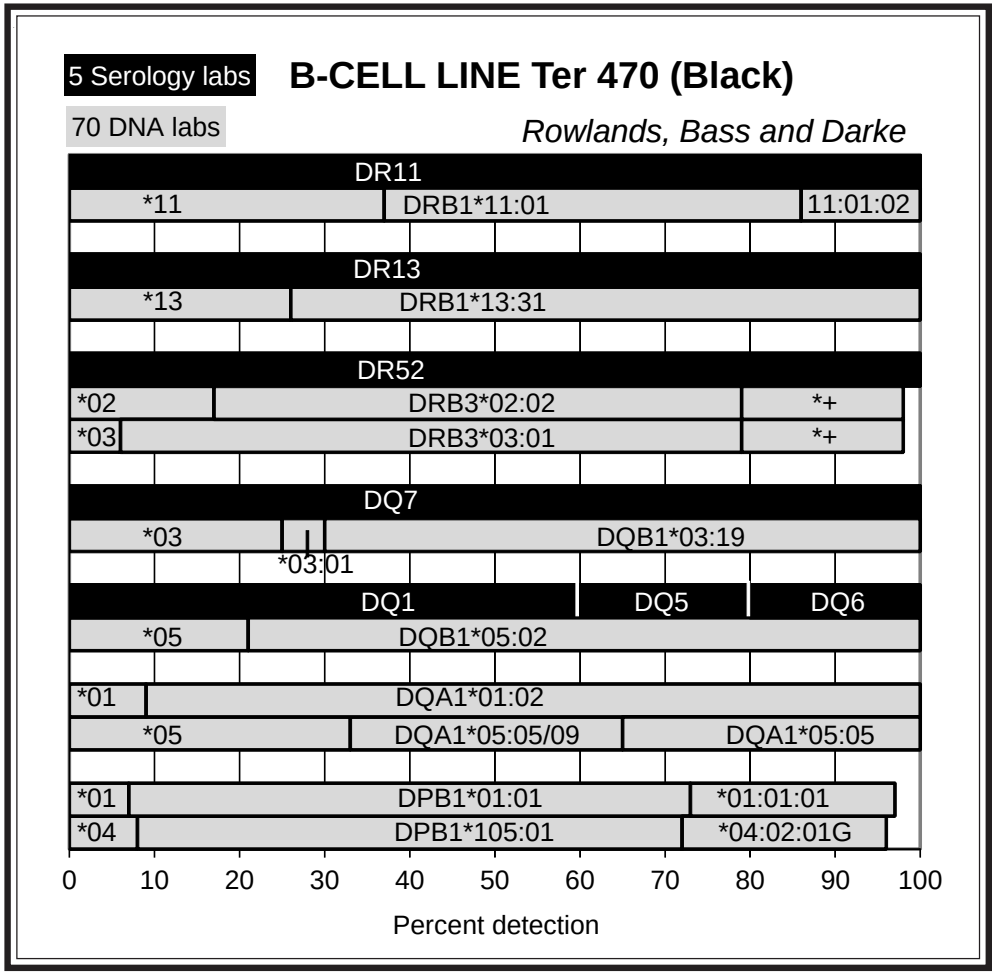
Two different DPB1*04 subtypes were reported for this cell. DPB1*04:01 was assigned by 42%. A total of 13 labs reported DPB1*04:01/*126:01 which was denoted as DPB1*04:01:01G. DPB1*04:02 (38%) was the second DPB1 type. Fourteen labs reported DPB1*04:02/*105:01 which was designated by DPB1*04:02:01G.

The probable haplotypes in this cell were DRB1*13:10-DRB3*01:01-DQB1*06:03-DQA1*01:03 and DRB1*04:01-DRB4*01:03-DQB1*03:01-DQA1*03:03. The DRB1*13:10 haplotype in this cell was the same as that found in ARA, another DRB1*13:10 reference cell that was previously studied in the Cell Exchange as Ter 219 (2001) and Ter 281 (2004).

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

This sample was also previously typed in the International HLA DNA Exchange as DNA #526 (2007). In that 2007 study, the consensus class I type was reported to be A*01:01, A*29:02, B*08:01, B*45:01, C*06:02, and C*07:01 (1).





Ter 470. This Black cell with the rare DRB1*13:31 allele was previously studied in the Cell Exchange as Ter 381 (2006), as correctly identified by Clark, Hahn, Lopez-Cepero, Mah, Stamm, and Tiercy. In the previous 2006 study, DRB1*13:31 was detected by 66%; however, DRB1*13:02, DRB1*13:15, and DRB1*13:67 were misassigned. This present retyping clearly showed improved standardization, with DRB1*13:31 assigned by 74% and DRB1*13 reported by the remaining 26%.

DRB1*11:01 (*11:01:02) was the second DRB1 allele, assigned by 63%.

A majority of the labs reported DQB1*03:19 (70%). Lopez-Cepero commented that when this cell was studied as Ter 381, DQB1*03:19 was recently recognized by the WHO Nomenclature committee. In the 2006 study, DQB1*03:01 was reported by 60%. DRB1*03:19 differs from DRB1*03:01 by a single nucleotide substitution in exon 3 at codon 185 (ACC->ATC) resulting in an amino acid change from threonine to isoleucine.

DQB1*05:02 (79%) was the second DQB1 type.

DQA1*01:02 was well typed by 91%. Labs were split, however, in their reporting of the second DQA1 allele. DQA1*05:05 was reported by 35% and 32% reported DQA1*05:05/09.

The DPB1 types were DPB1*01:01 (*01:01:01) (90%) and DPB1*105:01 (62%). Six labs were unable to distinguish DPB1*04:02 from DPB1*105:01 which is denoted as DPB1*04:02:01G.

One likely association in this cell was DRB1*13:31-DQB1*05:02. According to the NMDP Bioinformatics website, this association has been observed exclusively in African American populations, at HF=0.00043. This same association was found in the reference DRB1*13:31 cells, GN00133 and GN00138, also from Black individuals.

The other probable association in this cell was the more commonly found DRB1*11:01-DQB1*03:01 association. This is the 7th most common association in African American populations, HF=0.05465.

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

Serum Exchange

This month's antibody study included 4 samples (**sera 1081-1084**) strongly positive to 1C and 10C specificities, in particular, to A11. Previous serum samples with similar reactivity were serum #961-964 (2008) and #1017-1020 (2010). Our new web-based software now allows for separate analysis of Luminex and Flow cytometry results, leading to interesting findings.

1081	method	#labs	A11	A1101	A1102	A25	A26	A66	A6601	A34	A1	A36	A3	A24	A43	A80	B18	B51	B52	B53	B78	B73	B75	B35	Cw6	Cw7	Cw18	B37	B38	B39	B64	B65	B77	B71	Cw4
green	NIH-Std	4	100																																
	NIH-Ext	3	100																																
	AHG	5	100			(A10=40%)					60	60							40																
	Luminex	33	82	18	18	100	100	58	37	91	97	94	94	94	94	85	76	82	73	70	82	76	76	76	58	73	73	30	30	52	39	45	45	39	36
	Flow	5	80			80	80	60		40	80	60	80	80			40	40	40					40											
	ELISA	3	100			67	67	100		100	67	67																							
	Other	2	100																																

All methods found **serum 1081** to be strongly positive to A11. Notable reactivity to the specificities in the 1C, 10C, and 5C groups was detected by labs using antiglobulin, Luminex, and Flow methods. Luminex also reported strong reactivity to Cw6, Cw7, and Cw18, and weaker reactions to 8C specificities. Labs using ELISA reported predominantly anti-1C and -10C reactivity.

1082	method	#labs	A11	A1101	A1102	A25	A26	A66	A6601	A6602	A34	A1	A36	A3	A24	A29	A30	A31	A32	A33	A43	A74	A68	A69	A80	B73	A23	B62	Cw6	Cw7	Cw18	Bw4	Bw6
orange	NIH-Std	4	100																															
	NIH-Ext	3	100			67	67	67																										
	AHG	5	100									60		40																				
	Luminex	33	79	21	21	97	94	70	27	30	97	94	97	97	94	94	88	91	88	91	91	85	88	76	82	73	55	52	48	52	67		
	Flow	5	20																													40	40
	ELISA	3	100			67		67			67		67																					
	Other	2	50																															

Serum 1082 was determined to be strongly positive only to A11 by standard NIH whereas labs using extended NIH reported additional strong reactivity to A10. Antiglobulin labs also reported positivity to A1 and A3, and ELISA reported additional strong anti-A10 and -A36 reactivity. Luminex labs reported strong reactivity to nearly all the 1C and 10C specificities as well as to A28, B73, and several C-locus antigens (Cw6, Cw7, Cw18). Interestingly, of the 5 labs using Flow, two labs reported Bw4 and Bw6 and only one lab reported this serum being positive to A11; similar reported reactivity by Flow was found for sera 1083 and 1084.

For **serum 1083**, all labs reported this sample as being strongly reactive to A11, except by those using Flow. Labs using extended NIH also detected A66; antiglobulin labs also reported A36 whereas ELISA labs indicated that this sample was strongly reactive to 1C and 10C specificities. The Luminex results indicated that this sample, in addition to being very positive to nearly all the 1C and 10C specificities, was reactive to A28, numerous Bw4 specificities, and a number of C-locus specificities.

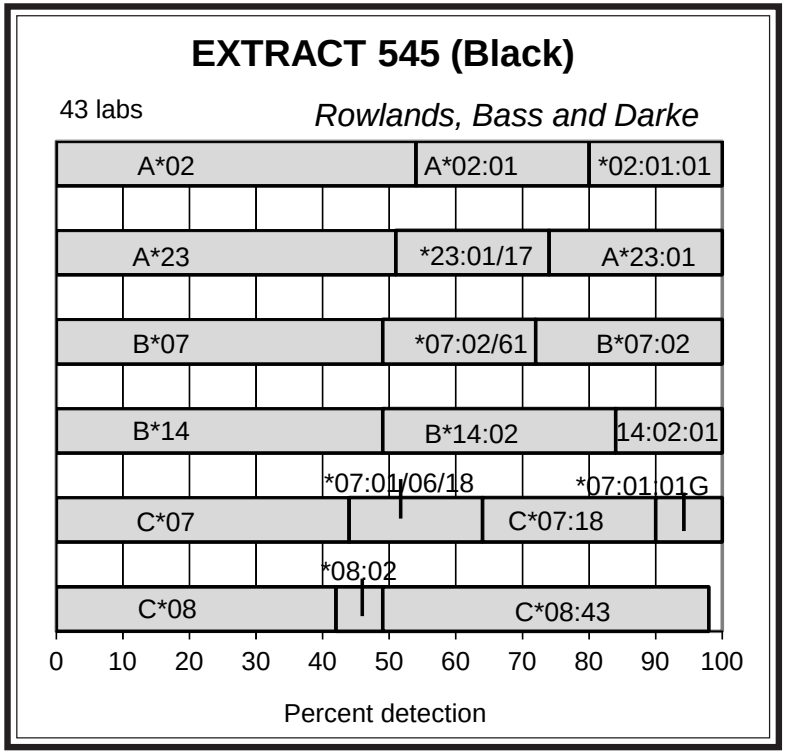
1083	method	#labs	A11	A1101	A1102	A25	A26	A66	A6601	A6602	A34	A1	A36	A3	A24	A29	A30	A31	A32	A33	A43	A74	A68	A69	A80	B27	B37	B51	B52	B53	B57	B58	B63	B73	Cw2	Cw5	Cw6	Cw7	Cw15	Cw17	Cw18	A23	B38	B49	B77	Bw4	Bw6
purple	NIH-Std	4	100																																											
	NIH-Ext	3	100					67																																						
	AHG	5	100										60																																		
	Luminex	33	79	21	21	97	97	70	21	30	94	97	94	97	97	85	76	76	91	76	94	85	70	64	85	79	79	67	61	61	70	58	64	79	67	73	73	70	73	61	79	52	58	58	58		
	Flow	5	20																																										40	40
	ELISA	3	100			67		67			100	67	67	67	100																															
	Other	2	100																																											

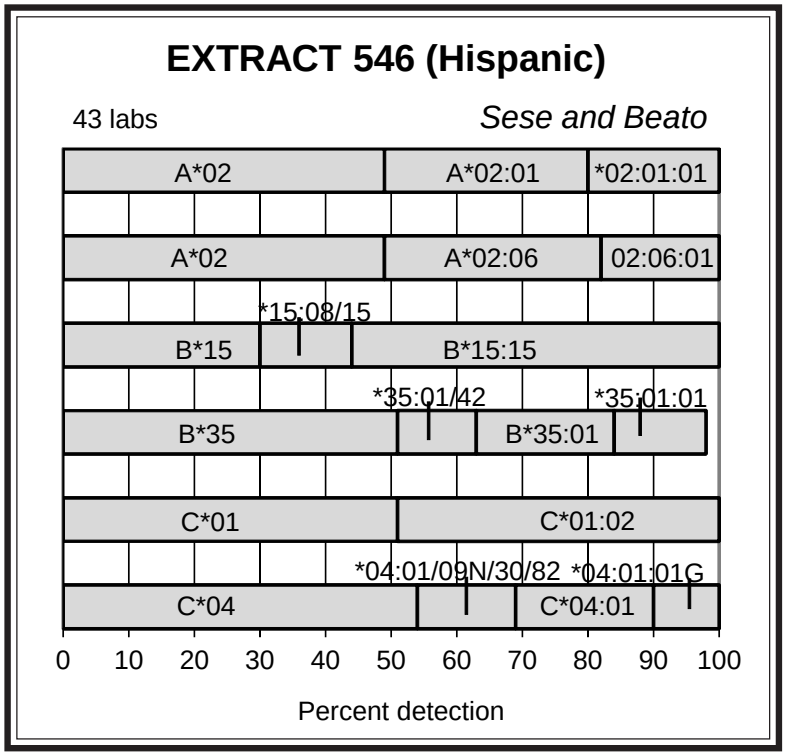
Serum 1084 was positive to A11 and A26 by standard NIH. By extended NIH and antiglobulin, reactivity to 1C and 10C specificities was reported. Luminex and ELISA results indicated that this sample was positive to the 1C+10C+2C groups. In contrast to the other 3 samples in this study, this sample was primarily positive to only A-locus specificities.

1084	method	#labs	A11	A1101	A1102	A25	A26	A66	A6601	A6602	A34	A1	A36	A3	A29	A30	A31	A33	A43	A74	A2	A68	A69	A80	Bw4	Bw6
brown	NIH-Std	4	100				75																			
	NIH-Ext	3	100				100					67														
	AHG	5	80			40	40				40	60					40									
	Luminex	33	79	21	21	97	97	64	30	30	97	94	91	97	94	88	97	100	91	94	88	94	82	82		
	Flow	5	20																						40	40
	ELISA	3	100			100		100			67	67	67			67	67	67			67	67		67		
	Other	2	100				100																			

Extract Exchange

We wish to acknowledge the generosity of **Jane Rowlands, Helen Bass, and Christopher Darke, Welsh Blood Service, Pontyclun** and **Doreen Sese and Francisca Beato, Brigham and Women's Hospital, Boston,** for generously providing challenging reference cells to type in our exchanges.





Extract 545. The novel C*08:43 variant was present in this cell from a Black donor, previously typed as extract 494 (2010). In the 2010 study, 15 labs detected a new substitution in codon 171 (TAG ->TGC) for one of the C-locus alleles. Five of these labs (Barnardo, Chen, Fischer and Mayer, Hartzman and Hurley, Reinsmoen) commented on the possibility of a new C*08 variant being present in this cell. The sequence for this new variant was submitted by Cao and Reinsmoen, Cedars-Sinai Health Systems. According to Cao et al., "HLA-C*08:43 differs from C*08:02:01 by one nucleotide (A->G) at position 584 resulting in an amino acid change of 171 tyrosine to 171 cysteine" (2). C*08:43 was assigned by 49% in this current typing.

The other C-locus allele was C*07:18 (24%). C*07:01/06/18 was reported by 15%.

B*07 was assigned by 100%, with 28% reporting B*07:02 and another 23% reporting B*07:02/61. The other B-locus allele was B*14:02 (51%)

A*23:01 was reported by 25%. A number of labs, 24%, were unable to distinguish A*23:01 from A*23:17. The second A-locus type was A*02:01 (46%).

Extract 546. This Hispanic cell was HDB, one of the reference cells for DRB1*14:24. This cell was previously typed as Ter 221 (1998) and Ter 411 (2008) for class II and as extract 57 (1998) for class I.

Two different A*02 alleles were present in this cell, A*02:01 (*02:01:01) (51%) and A*02:06 (*02:06:01) (51%).

B*15:15 was as well typed by 56% of the labs, a significant increase from the 23% detection level in the 1998 typing.

C*01:02 and C*04:01 were reported by 49% and 31%, respectively.

A*02:01-B*15:15-C*01:02 was one likely haplotype in this cell. The NMDP Bioinformatics website lists this haplotype as being observed solely in Hispanic populations, with HF= 0.00515. The other probable haplotype was A*02:06-B*35:01-C*04:01, with HF= 0.00142 in Hispanics.

Extract 547. This cell from a Filipino donor was TER Cell#995, a reference cell for B*27:06. This donor was initially typed in the Cell Exchange by serology over 20 years ago, as cells 666 (1990) and 708 (1991). It was examined by molecular-based typing as extract 28 (1997), and as 995 (1999) and 1076 (2001) by both serology and DNA. The following chart shows the standardization of B*27:06 from when this cell was first typed as an extract in 1997 to the present:

	extract 28	cell 995	cell 1076	extract 547
	1997	1999	2001	2012
B*27	36%	21%	35%	35%
B*27:04/06/10/20			16%	
B*27:04/06/10	28%	33%	4%	
B*27:06/22			12%*	
B*27:22			6%*	
B*27:06	36%	44%	23%*	65%

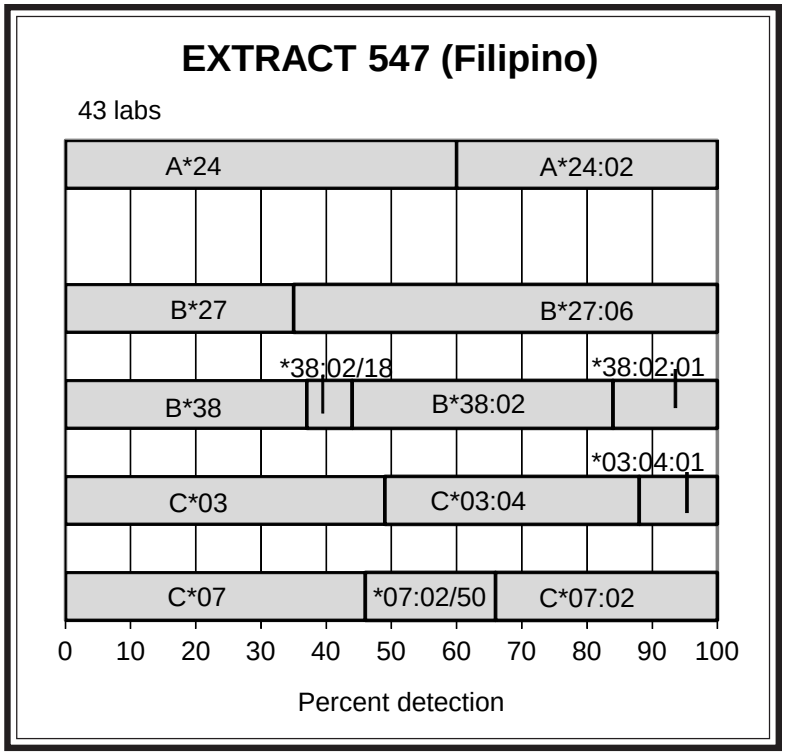
*The sequence for B*27:22 was shown to be identical to that of B*27:06 in 2002.

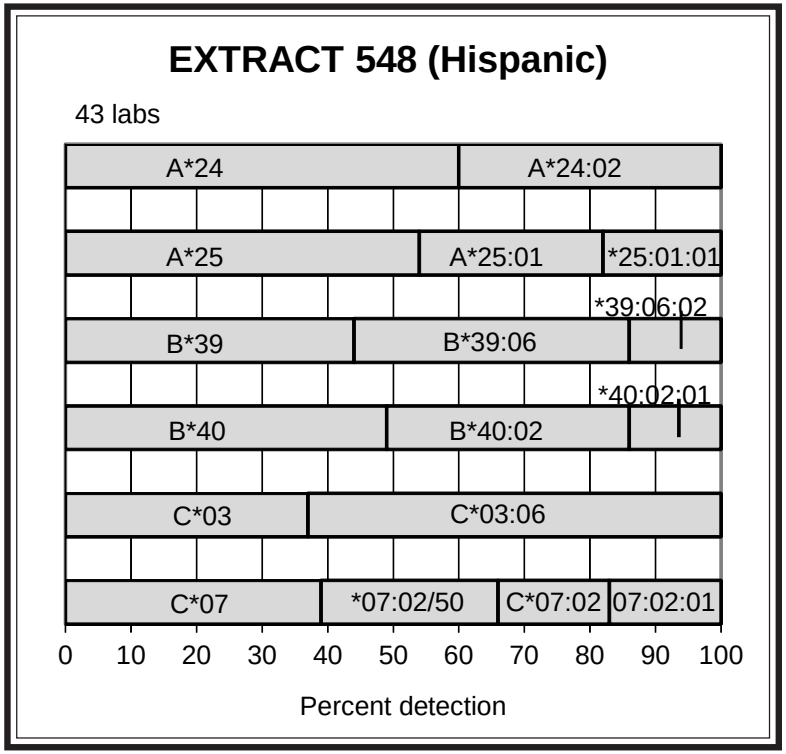
B*38:02 was reported by 56% as the second B-locus allele, with 12% of the labs reporting B*38:02:01.

A*24:02 (40%) was the sole A-locus type.

C*03:04 and C*07:02 were reported by 51% and 34%, respectively. Twenty percent of the labs were unable to distinguish C*07:02 from C*07:50.

The possible associations in this cell were B*38:02-C*07:02 and B*27:06-C*03:04, with HF= 0.03576 and HF= 0.00256, respectively, in Asian/Pacific Islander populations.





Extract 548. This Hispanic cell was previously typed as cell 1401 in 2010. The assignment of the C*03:06 variant in this cell improved from the 48% detection level in 2010 to 63% in this current typing.

The second C-locus allele was C*07:02 (34%). As with extract 547, a significant number of labs reported C*07:02/50 (27%). Anholts et al. described C*07:50 as being most similar to C*07:02:01 with a single nucleotide substitution in exon 7, at codon 326 (TGC->TCC), resulting in an amino acid change from C->S (3).

A*24:02 (40%) and A*25:01 (*25:01:01) (46%) were the A-locus types.

B*39:06 was reported by 56%, with 14% reporting B*39:06:02. The second B-locus allele was B*40:02 (51%).

One probable haplotype in this cell may be A*24:02-B*40:02-C*03:06. This haplotype is listed by NMDP Bioinformatics as being solely found in Hispanics, with HF=0.00355. The other likely haplotype was the rare A*25:01-B*39:06-C*07:02, listed as being exclusively observed in Caucasians, with HF=0.00006.

Cell Exchange

Cell 1457. This cell from a Caucasian individual was previously typed in the Cell Exchange as cell 1349 (2008), as correctly noted by Askar, Claas, Dunn, Lopez-Cepero, Mah, McCluskey, Stamm, and Tiercy. A31 (95%) and A33 (98%) were well typed as the A-locus antigens and corroborated as A*31:01 (*31:01:02) (44%) and A*33:01 (*33:01:01) (49%), respectively.

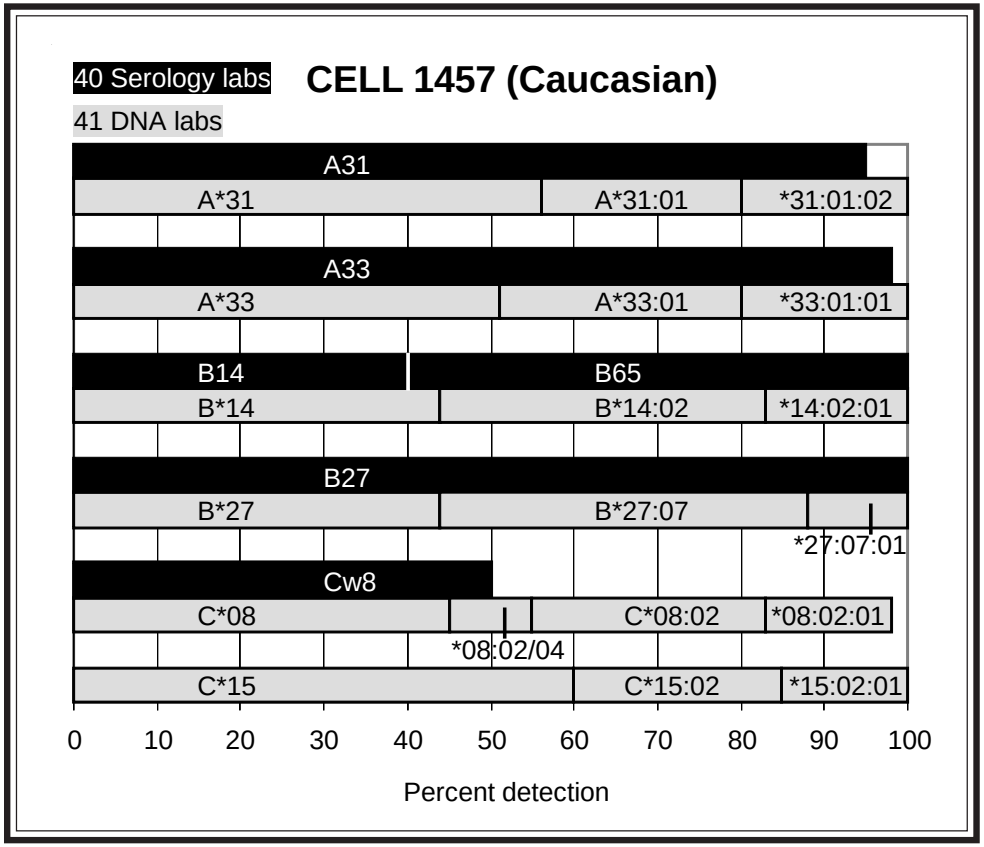
B65 was reported by 60% of the serology labs as the B14 split and confirmed as B*14:02 (56%) with 17% assigning B*14:02:01.

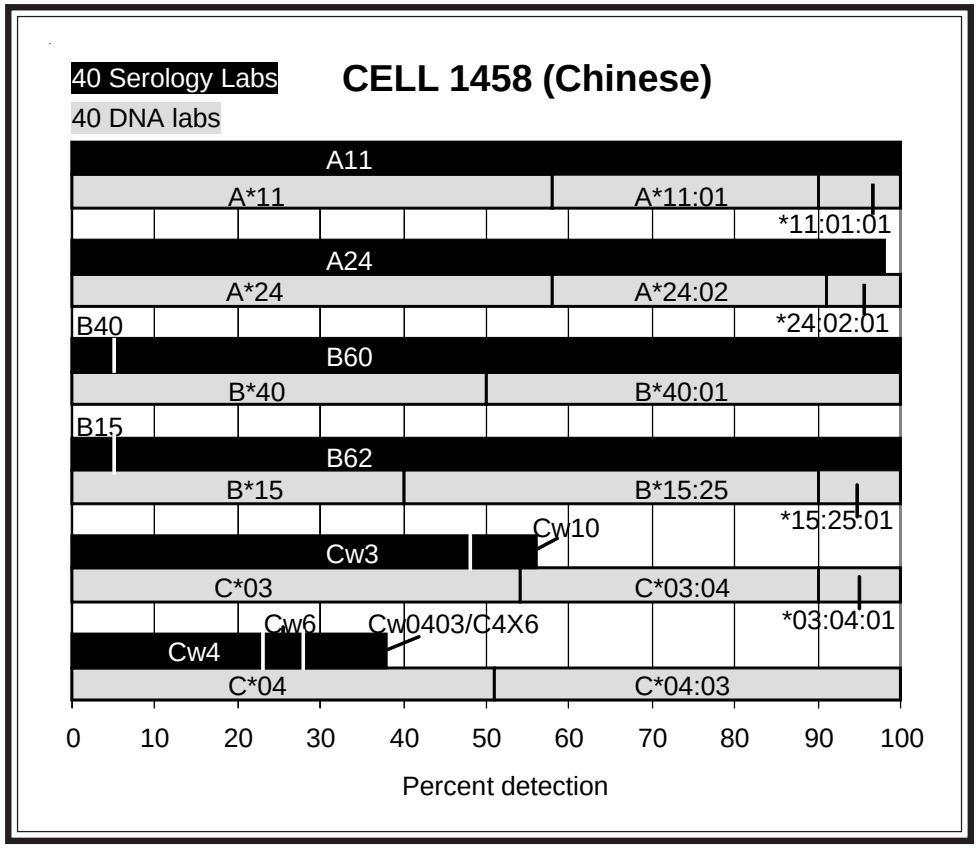
B27 was assigned in complete consensus and corroborated as B*27:07 (*27:07:01) (56%). Pollack commented that this cell has an unusual B27 variant, exhibiting shorter than normal reactivity, with additional reactions to some B40 antisera.

Cw8 was detected by half the labs. C*08:02 (43%) was reported by DNA. Four labs were unable to distinguish C*08:02 from C*08:04. Interestingly, Cw2 was reported by 8%. Claas noted this cell had weak reactions with Cw2 antisera. In the previous typing of this same cell, Cw2 was assigned by 11%.

C*15:02 (*15:02:01) (40%) was the second C-locus allele.

The probably associations in this cell were B*14:02-C*08:02 and B*27:07-C*15:02 with HF=0.03038 and HF=0.00038, respectively, in Caucasian populations. B*27:07-C*15:02 was present in the other 3 B*27:07 exchange donors, extracts 296 (also extracts 96, 167), 347 (also extract 230), and 415.





Cell 1458. This Chinese cell was previously typed in 2009 as cell1360, as correctly identified by Askar, Claas, Dunn, Lopez-Cepero, Mah, McCluskey, Pancoska, Stamm, and Tiercy.

A11 (100%) and A24 (98%) were well typed and confirmed as A*11:01 (42%) and A*24:02 (42%), respectively.

B60 (95%) was corroborated as B*40:01 (50%) and B62 (95%) was confirmed as B*15:25 (60%). Holdsworth commented that this cell was probably B*15:25 with a reaction pattern to both B62 and B75.

Cw3 was reported by 48%, with another 8% of labs reporting Cw10. Cw10 was confirmed as C*03:04 (46%).

The second C-locus antigen was the Cw4 subtype, Cw0403/Cw4X6. In the 2009 typing, labs were split in the reporting of Cw4 (23%) and Cw6 (24%). In this current typing, Cw4 was assigned by 23% while Cw6, Cw0403, and Cw4x6 were each assigned by only 5%. C*04:03 was detected by 49% in this retyping.

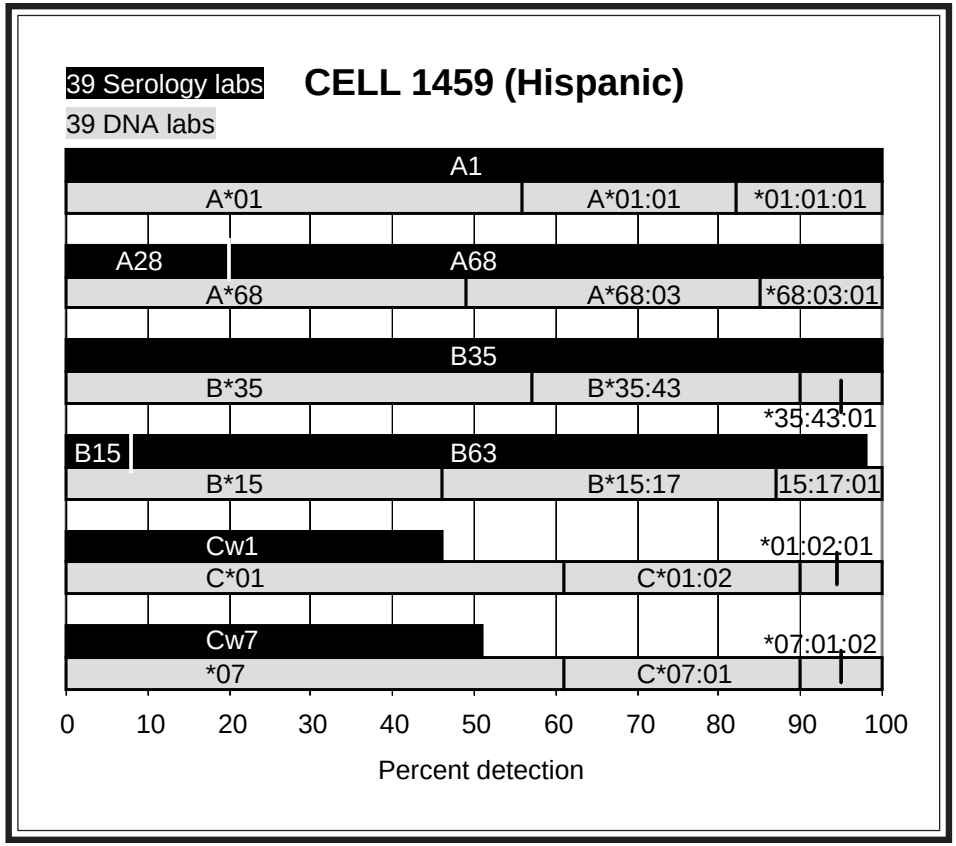
B*15:25-C*04:03 is one possible haplotype in this cell which is listed in the NMDP Bioinformatics website as solely observed in Asians/Pacific Islanders, with HF= 0.00455. The other likely association in this cell was B*40:01-C*03:04, which is commonly observed across all populations.

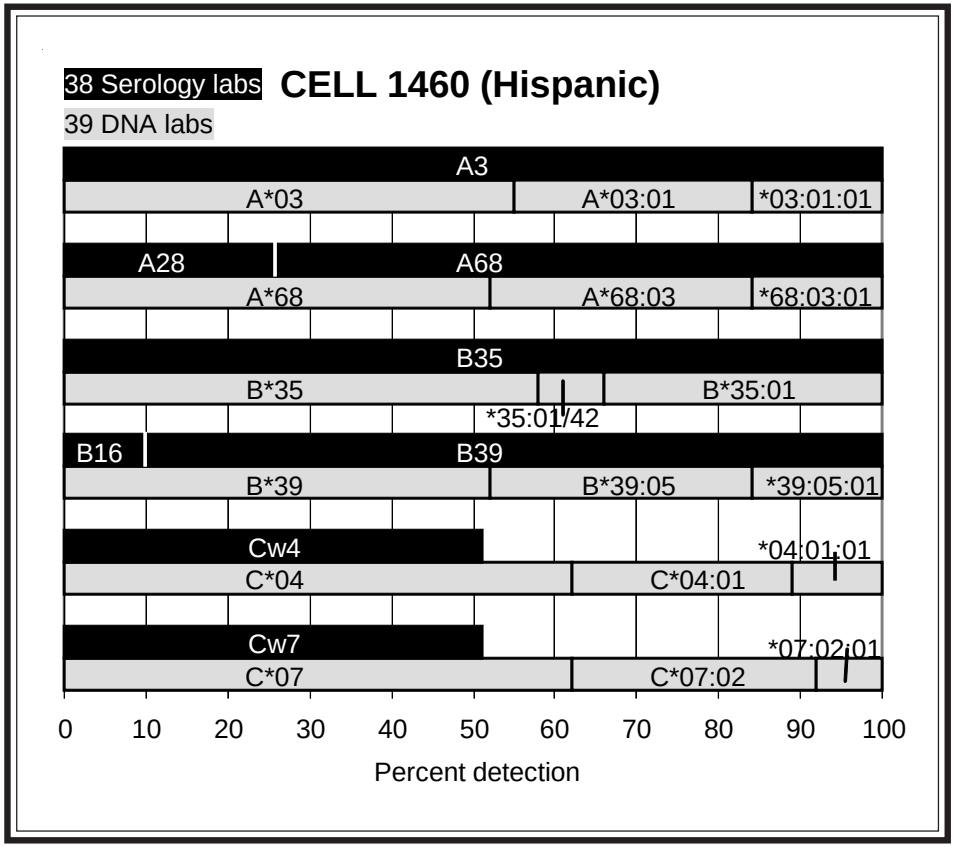
Cell 1459. This cell from an Hispanic donor was previously typed last year as cell 1419, as correctly noted by Claas, Dunn, Lopez-Cepero, Mah, McCluskey, Pancoska, and Stamm. B35 was typed in complete consensus and confirmed as B*35:43 (43%). Askar noted that a short B35 reaction pattern was displayed with this cell, indicating a variant.

The second B-locus antigen was B63 (90%). Interestingly, 54% of the DNA labs reported B*15:17 in this current retyping compared to 65% in the typing a year ago.

Cw1 and Cw7 were typed by 46% and 51%, respectively, and corroborated as C*01:02 (*01:02:01) and C*07:01 by 39%.

One likely association in this cell was B*35:43-C*01:02, which was also found in 3 other B*35:43 Hispanic exchange donors, cells 1352 (also cells 1252, 1294 and extract 356), 1380 (also cell 1337), and cell 1451 (also cell 1414, extract 499). This same association was also present in cell 983 from a Caucasian donor. The other possible association was B*15:17-C*07:01, found in strong linkage disequilbrium.





Cell 1460. This Hispanic cell was previously typed in the Cell Exchange a number of years ago as cell 1200 (2004) and cell 1246 (2005), as correctly identified by Askar, Claas, Lopez-Cepero, and McCluskey.

B39 was detected by 90% as the B16 split. Dunk observed short anti-B39 reactivity while both Fort and Pollack noted that this cell could have B3905. This observation was confirmed by 48% of the DNA labs which assigned B*39:05 (*39:05:01).

B35 was typed in complete consensus as the second B-locus antigen and corroborated as B*35:01 (34%). Several labs reported B*35:01/42.

The A28 split, A68, was typed by 74% and validated as A*68:03 (*68:03:01) (48%).

Cw4 (51%) and Cw7 (51%) were the C-locus antigens and confirmed by 38% as C*04:01 and C*07:02, respectively.

One probable haplotype in this cell was A*68:03-B*39:05-C*0702. According to the NMDP Bioinformatics website, this haplotype has been observed exclusively in Hispanics, with HF=0.00653. The other likely haplotype was A*03:01-B*35:01-C*04:01 which is found more broadly across all populations; it is the 11th most common haplotype in Hispanics, with HF= 0.01009.

References

1. Muramoto J, Cecka JM, and Reed EF. Summary of the 84th International HLA DNA Exchange. July 25, 2007;1.

2. Cao K, Street J, Johnson J, Wang A, et al. A new HLA-C allele, C*08:43, identified during a UCLA Immunogenetics Centre cell exchange. Tissue Antigens 2011;78:451.

3. Anholts JD, Aneq M, Dirks HL, et al. Thirty-six novel HLA alleles: 7 HLA-A, 11 HLA-B, 15 HLA-C and 3 HLA-DRB1. Tissue Antigens 2009;74:424.

NEXT MAILING DATE: June 6, 2012

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B-CELL LINE Ter 469

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
5488	Adams,Sharon	*04:01:01	*13:10	*01	*01	*03:01	*06:03	*01:03	*03:03	*04:01:01	*04:02	RSSO,SBT,SSP
8070	Ahn,Jaeie	*04	*13			*03	*06			*04	*04	P-SSP
4691	Ajlan,Abdula	*04:01	*13:10			*03:01/27-29/35	*06:03/41					SSO
2332	Al-Awwami,M	*04:01	*13:10	*01-*03	*01	*03:01	*06:03/41					SSP
8075	Al-Baz,Nabe	*04:01	*13:10			*03:01	*06:03					SSO,SSP
5133	Baker,Judy	*04:01	*13:10	*01:01/11	*01:03	*03:01	*06:03	*01:03	*03			SSP/SBT
774	Cecka,J.Mich	*04:01	*13:10	*01:01	*01:03	*03:01/21/24+	*06:03	*01:03	*03:03			SSP,SSOP
9916	Charlton,Ron	*04:01:01	*13:10	*01:01	*01:03	*03:01/28/29+	*06:03/28/44					SSP,SBT
9916	Charlton_LR	*04	*13	*+	*+	*03	*06					SSP
4492	Charron,D.	*04:01	*13:10	*01:01	*01:03	*03:01/35/36	*06:03/28/44	*01:03	*03:03	*04:01:01G+	*04:02:01G	SSO,SSP
3224	Chen,Dongfen	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03					SBT,SSP
8021	Clark,Brenda	*04:01	*13:10	*01:01	*01:01/03	*03:01	*06:03			*51:01	*04:02	P-SSP,SSO
3632	Colombe,Beth	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:01-03			SSOP,SSP
5130	Costeas,Paul	*04:01	*13:10	*01:01	*01:03	*03:19	*06:03	*01:03	*03:03			SSP
779	Daniel,Claud	*04	*13:10	*+	*+	*03(DQ7)	*06					P-SSP
5219	Daniel,Dolly	*04	*13	*+	*+	*03	*06					P-SSOP
8052	Del Pozo,Ana	*04	*13:10			*03:01/27-29/35	*06:03/41	*01:03	*03:01-03			P-SSO
5323	Dhaliwal,J.S	*04:01/76	*13:10	*01:01	*01:03	*03:01	*06:03/41					SSP
5214	Eckels/CPMC	*04	*13:10	*01	*01	*03(DQ7)	*06	*01:03	*03	*04:01	*04:02	SSOP
3135	Enczmann,J.	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03			*04:01	*04:02	SBT,SSP
8038	Fernandez-V	*04:01:01	*13:10	*01:01:02	*01:03	*03:01:01	*06:03:01			*04:01:01G	*04:02:01G	SSO,SBT
762	Fischer/Mayr	*04:01	*13:10	*01:01	*01:03	*03:01/09/19+	*06:03	*01:03	*03:03	*04:01:01G	*04:02:01G	SSO,LBT,SBT+
4079	Fort,Marylis	*04:01	*13:10			*03:01	*06:03/28/41					SSO,SSP
792	Gandhi,Manis	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:03			SSO,SSP
8043	Gideoni,Osna	*04:01	*13:10			*03:01	*06:03	*01:03	*03:03			SSP
9002	Gideoni_LR	*04	*13			*03	*06					SSO,SSP
910	Hahn,Amy B.	*04:01	*13:10	*01:01	*01:03	*03:01/13/21+	*06:03/31/41					SSP
810	Hamdi,Nuha	*04:01	*13:10			*03:01	*06:03	*01:03	*03:01			SSO
4269	Hanau,Daniel	NT										SSO,+SBT-DR
1461	Hidajat,M.	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03			*04:01:01G	*04:02:01G	SSO,SSP
2344	Hurley/Hartz	*04:01:01	*13:10			*03:01:01:01+	*06:03:01/41+			*04:01:01G	*04:02:01G	SBT,SSO
771	Israel,Shosh	*04:01	*13:10			*03:01	*06:03					SSO,SSP
9003	Israel_LR	*04	*13			*03	*06					SSO
794	Jaatinen,Tai	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:01-03	*04:01:01G	*04:02:01G	SBT,SSO,SSP
859	Kamoun,Malek	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03/41	*01:03	*03:03	*04:01:01G	*04:02:01G	SBT,SSO,SSP
13	Kapoor/Park	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03					SSP
797	Kato,Shunich	*04:01	*13:10			*03:01/21/22	*06:03	*01:03	*03:01-03			SSO,+SBT-DR
4337	Kim,Tai-Gyu	*04:01	*13:10			*03:01/09/19+	*06:03/41/44			*04:01:01G	*04:02:01G	SBT
1694	Kissel&Hess	*04:01	*13:10			*03:01	*06:03					SSP
168	Klein,Tirza	*04:01	*13:10			*03:01	*06:03					SSO,SSP
9000	Klein_LR	*04	*13			*03	*06					SSO,SSP
87	Land,Geoffre	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:03	*04:01	*04:02	SBT,SSO,SSP
725	Lardy,N,M.	*04	*13	*+	*+	*03	*06	*01	*03			SSO,SSP
278	Lee,Jar-How	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:01-03	*04:01:01G	*04:02:01G	SSP,RVSSOP
5096	Lee,Sun-Ah	*04	*13									SSO
640	Lee,Young K	*04:01	*13:10			*03:01:01G	*06:03:01G	*01:03	*03:03			P-SBT
6649	Lim,Young Ae	*04	*13	*+	*+							SSP
274	Lo,Raymundo	*04:02	*13:10			*03:01	*06	*01:03	*03	*04:01	*120:01N	SSO
731	Loewenthal,R	*04:01:01	*13:10			*03	*06					SBT,SSO
759	Lopez-Cepero	*04:01/16+	*13:10	*01:01/11	*01:01/03/06	*03:01/27-29/35	*06:03/41	*01:03	*03:01-03	*04:01:01G	*04:02:01G	RVSSO
23	Mah,Helen	*04:01	*13:10	*01:01	*01	*03:01	*06:03	*01:03	*03	*04:01	*04:02	SSO,SSP

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CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
8029	Mani,Rama	*04	*13	*+	*+							SSP
206	McAlack-Hana	*04	*13:10	*01	*01	*03:01	*06:03	*01:03	*03			RVSSOP
8042	Muncher,Lior	*04:01	*13:10			*03:01	*06:03					SSP
9001	Muncher_LR	*04	*13			*03	*06					SSOP,SSP
3966	Permpikul&Ve	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03					P-SSP
2400	Phelan,Donna	*04:01	*13:10	*01	*01	*03:01	*06:03	*01:03	*03:01:01G	*04:01:01G	*04:02:01G	RSSO,SBT
8001	Rao,Prakash	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03	*04:01	*04:02	RVSSO,SSP
3753	Reed,Elaine	*04:01	*13:10	*01:01/11	*01:01/03/06	*03:01	*06:03	*01:03	*03:01-03			SBT,RSSO
3798	Reinsmoen,N	*04:01:01	*13:10	*01:01/11	*01:01/03/06	*03:01/27-29/35	*06:03/41	*01:03	*03:01-03	*04:01:01G	*04:02:01G	SSP,RVSSO,SBT
3519	Renac,Virgi	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:03	*04:01:01G	*04:02:01G	SBT,P-SSP
1160	Rosen-Bronso	*04:01/34+	*13:10	*01:01	*01:03	*03:01	*06:03					SSP,SBT
793	Rubocki,Rona	*04	*13	*+	*+	*03(DQ7)	*06			*04:01	*04:02	
4251	Schiller,J	*04:01	*13:10	*01:01/11	*01:01/03/06	*03:01	*06:03	*01	*03	*04:01:01G	*04:02:01G	P-RVSSO,SBT
8068	Shanmugam,He	*04	*13	*01	*01	*03	*06					P-SSP
746	Stamm,Luz	*04:01	*13:10	*01	*01	*03:01	*06:03	*01:03	*03	*04:01:01G	*04:02:01G	SSO,SSP,SBT
747	Tiercy,Jean-	*04:01:01	*13:10	*01:01	*01:03	*03:01:01	*06:03:01	*01:03	*03:01-03	*04:01:01G	*04:02:01G	RVSSO,SSP,SBT
5451	Tilanus,Marc	*04:01:01	*13:10	*01:01:02	*01:03:01	*03:01:01	*06:03:01	*01:03:01	*03:03:01	*04:01:01	*04:02:01	SBT
4021	Trachtenberg	*04:01	*13:10	*01	*01	*03	*06	*01:03	*03			SSO
5462	Turner,E.V.	*04:01:01	*13:10	*01:03/12+	*01:03	*03:01/27-29/35	*06:03P			*04:01:01+	*04:02:01	SSO,SBT,SSP
5642	Varnavidou-N	*04:01/63	*13:01/10+	*+	*+	*03:01/13/21+	*06:03/31/41					P-SSP
3511	Zeevi,Adrian	*04:01	*13:10	*01:01	*01:03	*03:01	*06:03	*01:03	*03:03	*04:01	*04:02	RVSSOP,SSP

CTR	DIRNAME	DR4	DR13	DR52	DR53	DQ7	DQ1	OTH1	OTH2
4492	Charron,D.	+	+	+	+	+	+	DR17	
910	Hahn,Amy B.	+	+	+	+	+	+		
54	Pancoska,Car	+	+	+	+	+	+		
793	Rubocki,Rona	+	+	+	+	+	DQ6		
8063	Shai,Isaac	+		+	+	+	+	DR14	

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70 DNA LABS

70 LABS REPORTING DRB1	
DRB1*04	30%
DRB1*04:01	57%
DRB1*04:01:01	12%
DRB1*04:02	1%
DRB1*04	100% TOTAL
DRB1*13	20%
DRB1*13:10	80%
DRB1*13	100% TOTAL

67 LABS REPORTING DQB1	
DQB1*03	40%
DQB1*03:01	52%
DQB1*03:01:01	4%
DQB1*03:01:01G	2%
DQB1*03:19	2%
DQB1*03	100% TOTAL
DQB1*06	31%
DQB1*06:03/41	10%
DQB1*06:03	51%
DQB1*06:03:01	4%
DQB1*06:03P	2%
DQB1*06:03:01G	2%
DQB1*06	100% TOTAL

34 LABS REPORTING DQA1	
DQA1*01	6%
DQA1*01:03	91%
DQA1*01:03:01	3%
DQA1*01	100% TOTAL
DQA1*03	56%
DQA1*03:01	3%
DQA1*03:03	35%
DQA1*03:03:01	3%
DQA1*03:01:01G	3%
DQA1*03	100% TOTAL

48 LABS REPORTING DRB4	
DRB3*+	21%
DRB3*01:01/11	10%
DRB3*01:01	50%
DRB3*01:01:02	4%
DRB3*01	15%
DRB4*+	17%
DRB4*01:03	52%
DRB4*01:03:01	2%
DRB4*01	29%

29 LABS REPORTING DPB1	
DPB1*04	3%
DPB1*04:01	35%
DPB1*04:01:01	7%
DPB1*04:01:01G	52%
DPB1*04	97% TOTAL
DPB1*04	3%
DPB1*04:02	31%
DPB1*04:02:01	7%
DPB1*04:02:01G	55%
DPB1*04	96% TOTAL

5 SEROLOGY LABS

DR4	100%
DR13	100%
DR52	100%
DR53	100%

DQ7	100%
DQ1	80%
DQ6	20%
DQ1	100% TOTAL

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CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB3X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1	METHOD
5488	Adams,Sharon	*11:01:02	*13:31	*02:02	*03:01	*03:19	*05:02:01	*01:02	*05:05/10	*01:01:01	*105:01	RSSO,SBT,SSP
8070	Ahn,Jaeie	*11	*13			*03	*05			*01	*04	P-SSP
4691	Ajlan,Abdula	*11:01/95+	*13:31			*03:19	*05:02					SSO
2332	Al-Awwami,M	*11:01	*13:31	*01-*03		*03:19	*05:02					SSP
8075	Al-Baz,Nabe	*11:01	*13:31			*03:19	*05:02					SSO,SSP
5133	Baker,Judy	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09			SSP,SBT
774	Cecka,J.Mich	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/08+			SSP,SSOP
9916	Charlton,Ron	*11:01:02	*13:31	*02:02/25+	*03:01	*03:19	*05:02					SSP,SBT
9916	Charlton_LR	*11	*13	*+		*03	*05					SSP
4492	Charron,D.	*11:01	*13:31	*02:02/25	*03:01	*03:19	*05:02/14	*01:02/08+	*05:05/11	*01:01	*105:01	P-SSO,SSP
3224	Chen,Dongfen	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02					SBT,SSP
8021	Clark,Brenda	*11:01	*13:31	*02:02	*03:01	*03:01	*05:02			*01:01:01	*105:01+	P-SSP,SSO
3632	Colombe,Beth	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09			SSOP,SSP
5130	Costeas,Paul	*11:01	*13:02/31	*02:02/25	*03:01	*03:19	*05:02	*01:02	*05:05			SSP
779	Daniel,Claud	*11	*13	*+		*03(DQ7)	*05					P-SSP
5219	Daniel,Dolly	*11	*13	*+	*+	*03	*05					P-SSOP
8052	Del Pozo,Ana	*11	*13:31			*03:19	*05:02	*01:02	*05:05/09			P-SSO
5323	Dhaliwal,J.S	*11:01/49+	*13:31	*02	*03	*03:19	*05:02					SSP
5214	Eckels/CPMC	*11	*13:31	*02:02	*03:01	*03(DQ7)	*05:02	*01:02	*05	*01:01	*04:02	SSOP
3135	Enczmann,J.	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02			*01:01	*105:01	SBT,SSP
8038	Fernandez-V	*11:01:02	*13:31	*02:02/28	*03:01	*03:19	*05:02:01			*01:01:01	*04:02:01G	
762	Fischer/Mayr	*11:01	*13:31	*02:02	*03:01	*03:01/09/19+	*05:02	*01:02	*05:05	*01:01	*105:01	SSO,LBT,SBT+
4079	Fort,Marylis	*11:01	*13:31			*03:19	*05:02					SSO,SSP
792	Gandhi,Manis	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05			SSO,SSP
8043	Gideoni,Osna	*11:01	*13:31			*03:19	*05:02	*01:02	*05:05			SSP
9002	Gideoni_LR	*11	*13			*03	*05					SSO,SSP
910	Hahn,Amy B.	*11:01	*13:31	*02:02	*03:01	*03:01/19/21+	*05:02					SSP
810	Hamdi,Nuha	*11:01	*13:31			*03:19	*05:02	*01:02	*05:05			SSO
4269	Hanau,Daniel	NT										SSP,+SBT-DR
1461	Hidajat,M.	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02			*01:01	*105:01	SSO,SSP
2344	Hurley/Hartz	*11:01:02	*13:31			*03:01:01:01+	*05:02:01+			*01:01:01	*04:02:01G	SBT,SSO
771	Israel,Shosh	*11:01	*13:31			*03:19	*05:02					SSO,SSP
9003	Israel_LR	*11	*13			*03	*05					SSO
794	Jaatinen,Tai	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09	*01:01	*04:02:01G	SBT,SSO,SSP
859	Kamoun,Malek	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05	*01:01	*105:01	SBT,SSO,SSP
13	Kapoor/Park	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02					SSP
797	Kato,Shunich	*11:01	*13:31			*03:19	*05:02	*01:02	*05:05/09			SSO,+SBT-DR
4337	Kim,Tai-Gyu	*11:01/97	*13:31			*03:01/09/19+	*05:02/14			*01:01	*04:02:01G	SBT
1694	Kissel&Hess	*11	*13:31			*03:19	*05:02					SSP
168	Klein,Tirza	*11:01	*13:31			*03:19	*05:02					SSO,SSP
9000	Klein_LR	*11	*13			*03	*05					SSO,SSP
87	Land,Geoffre	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05	*01:01	*105:01	SBT,SSO,SSP
725	Lardy,N,M.	*11	*13	*+		*03	*05	*01	*05			SSO,SSP
278	Lee,Jar-How	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09	*01:01	*105:01	SSP,RVSSOP
5096	Lee,Sun-Ah	*11	*13									SSO
640	Lee,Young K	*11:01	*13:31			*03:01:01G	*05:02	*01:02:01	*05:05			P-SBT
6649	Lim,Young Ae	*11	*13	*+								SSP
274	Lo,Raymundo	*11	*13:31			*03:01	*05:02	*01:02	*05	*40:01	*40:01	SSO
731	Loewenthal,R	*11:01:02	*13:31			*03	*05:02					SBT,SSO
759	Lopez-Cepero	*11:01/05+	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09	*01:01	*04:02:01G	RVSSO
23	Mah,Helen	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09	*01:01	*105:01	SSO,SSP

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CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB3X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1	METHOD
8029	Mani,Rama	*11	*13	*+								SSP
206	McAlack-Hana	*11	*13	*02:02	*03:01	*03:19	*05:02	*01:02	*05			RVSSOP
8042	Muncher,Lior	*11:01:02	*13:31			*03:19	*05:02					SSP
9001	Muncher_LR	*11	*13			*03	*05					SSOP,SSP
3966	Permpikul&Ve	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02					P-SSP
2400	Phelan,Donna	*11:01/97	*13:31	*02	*03	*03:19	*05:02	*01:02	*05:05	*01:01	*105:01	RSSO,SBT
8001	Rao,Prakash	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05	*01:01	*105:01	RVSSO,SSP
3753	Reed,Elaine	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09			SBT,RSSO
3798	Reinsmoen,N	*11:01:02	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05/09	*01:01	*04:02:01G	RVSSO,SBT
3519	Renac,Virgi	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05	*01:01	*105:01	SBT,P-SSP
1160	Rosen-Bronso	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02					SSP,SBT
793	Rubocki,Rona	*11	*13	*+		*03(DQ7)	*05			*01	*105:01	
4251	Schiller,J	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01	*05	*01:01	*04:02:01G	P-RVSSO,SBT
8068	Shanmugam,He	*11	*13	*01		*03	*05					P-SSP
746	Stamm,Luz	*11:01:02	*13:31	*02	*03	*03:19	*05:02	*01:02	*05	*01:01	*105:01	SSO,SSP,SBT
747	Tiercy,Jean-	*11:01:02	*13:31	*02:02/25	*03:01	*03:19	*05:02:01	*01:02	*05:05/09	*01:01:01	*105:01	RVSSO,SSP,SBT
5451	Tilanus,Marc	*11:01:02	*13:31	*02:02:01	*03:01:01	*03:19	*05:02:01	*01:02:01	*05:05:01	*01:01:01	*105:01	SBT
4021	Trachtenberg	*11	*13	*02:02	*03:01	*03:19	*05:02	*01:02	*05			SSO
5462	Turner,E.V.	*11:01:02	*13:31	*02:02/23+	*03:01:01	*03:19	*05:02			*01:01:01	*105:01	SSO,SBT,SSP
5642	Varnavidou-N	*11:01/74+	*13:31/97+	*+		*03:19	*05:02					P-SSP
3511	Zeevi,Adrian	*11:01	*13:31	*02:02	*03:01	*03:19	*05:02	*01:02	*05:05	*01:01	*105:01	RVSSOP,SSP

CTR	DIRNAME	DR11	DR13	DR52	DQ7	DQ1	OTH1	OTH2
4492	Charron,D.	+	+	+	+	+	DR4	
910	Hahn,Amy B.	+	+	+	+	+		
54	Pancoska,Car	+	+	+	+	+		
793	Rubocki,Rona	+	+	+	+	DQ5		
8063	Shai,Isaac	+	+	+	+	DQ6		

B-CELL LINE Ter 470 (Black)

70 DNA LABS

70 LABS REPORTING DRB1

DRB1*11	37%
DRB1*11:01	49%
DRB1*11:01:02	14%
DRB1*11	100% TOTAL
DRB1*13	26%
DRB1*13:31	74%
DRB1*13	100% TOTAL

67 LABS REPORTING DQB1

DQB1*03	25%
DQB1*03:01	3%
DQB1*03:19	70%
DQB1*03:01:01G	2%
DQB1*03	100% TOTAL
DQB1*05	21%
DQB1*05:02	73%
DQB1*05:02:01	6%
DQB1*05	100% TOTAL

34 LABS REPORTING DQA1

DQA1*01	9%
DQA1*01:02	85%
DQA1*01:02:01	6%
DQA1*01	100% TOTAL
DQA1*05	33%
DQA1*05:05/09	32%
DQA1*05:05	32%
DQA1*05:05:01	3%
DQA1*05	100% TOTAL

48 LABS REPORTING DRB5

DRB3*+	19%
DRB3*02:02	60%
DRB3*02:02:01	2%
DRB3*02	17%
DRB3*+	19%
DRB3*03:01	69%
DRB3*03:01:01	4%
DRB3*03	6%

28 LABS REPORTING DPB1

DPB1*01	7%
DPB1*01:01	66%
DPB1*01:01:01	24%
DPB1*01	97% TOTAL
DPB1*04	4%
DPB1*04:02	4%
DPB1*105:01+	4%
DPB1*105:01	62%
DPB1*04:02:01G	24%
DPB1*04	98% TOTAL

5 SEROLOGY LABS

DR11	100%
DR13	100%
DR52	100%

DQ7	100%
DQ1	60%
DQ5	20%
DQ6	20%
DQ1	100% TOTAL

	**** Serum 1081 ****			**** Serum 1082 ****			**** Serum 1083 ****			**** Serum 1084 ****			
Investigator	% POS	A11	Other	% POS	A11	Other	% POS	A11	Other	% POS	A11	A26	Other	Method
Claas, F.H.J.	12	+		21	+		50	+	A25,A26	46	+	+		STD
Hogan, Patrick		+			+			+			+	+		STD
Suciu-Foca, N.	15	+	A24,A10,A1,A3>	18	+	A10,A1,A3,A36	18	+	A24,A10,A1,A3	18	+		A2,A10,A1,A68>	STD
Watson, Narel	15	+		13	+		13	+		17	+	+		STD

	**** Serum 1081 ****			**** Serum 1082 ****						**** Serum 1083 ****				**** Serum 1084 ****					
Investigator	% POS	A11	Other	% POS	A11	A25	A66	A26	Other	% POS	A11	A66	Other	% POS	A11	A26	A1	Other	Method
Askar, Medhat	11	+		11	+					11	+			43	+	+	+	A6601	EXT
Dunn, Paul		+	A1,A25,A26		+	+	+	+	A24,A34		+	+	A24,A1,A25,A26>		+	+	+	A2,A25,A34,A31 >	EXT
Lardy, N.M.	17	+	A66	30	+	+	+	+		21	+	+		21	+	+		A66	EXT

*** Serum 1081 ***
4 typing Labs

Antigen	Consensus	Inclusion
A11	100%	95%
A1	25%	100%
A10	25%	100%
A24	25%	100%
A3	25%	100%
A36	25%	100%

*** Serum 1082 ***
4 typing Labs

Antigen	Consensus	Inclusion
A11	100%	56%
A1	25%	100%
A10	25%	100%
A3	25%	100%
A36	25%	100%

*** Serum 1083 ***
4 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A1	25%	100%
A10	25%	100%
A24	25%	100%
A25	25%	100%
A26	25%	100%
A3	25%	100%

*** Serum 1084 ***
4 typing Labs

Antigen	Consensus	Inclusion
A11	100%	86%
A26	75%	40%
A1	25%	100%
A10	25%	100%
A2	25%	100%
A36	25%	100%
A68	25%	100%

Method: NIH-Std

*** Serum 1081 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A1	33%	100%
A25	33%	100%
A26	33%	100%
A66	33%	50%

*** Serum 1082 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A25	67%	67%
A66	67%	50%
A26	67%	33%
A24	33%	100%
A34	33%	100%

*** Serum 1083 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A66	67%	50%
A1	33%	100%
A23	33%	100%
A24	33%	100%
A25	33%	100%
A26	33%	100%
A3	33%	100%
A32	33%	100%
A34	33%	100%

*** Serum 1084 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A26	100%	100%
A1	67%	62%
A2	33%	100%
A25	33%	100%
A3	33%	100%
A31	33%	100%
A33	33%	100%
A34	33%	100%
A66	33%	100%
A6601	33%	100%

Method: NIH-Ext

	**** Serum 1081 ****							**** Serum 1082 ****						**** Serum 1083 ****				**** Serum 1084 ****								
Investigator	% POS	A11	A1	A36	A10	B51	Other	% POS	A11	A1	A3	Other		% POS	A11	A36	Other	% POS	A11	A1	A34	A26	A25	A31	Other	Method
Cecka, J. Micha	32	+		+		+	A66,B52>	18	+					67	+	+	A66,A25>	37	+	+	+	+	+	+	A66	AHG
Gandhi, Manish		+	+						+						+				+	+	+	+	+			AHG
Hahn, Amy B. Ph		+	+	+	+		B5		+	+	+	B52			+		B14,B35>								BW4,B12C,B5C>	AHG
Mah, Helen		+							+	+		A34			+	+			+							AHG
Suciu-Foca, Nic	18	+	+	+	+	+	A24,A3	28	+	+	+	A10,A29>		25	+	+	A24,A10>	25	+	+					+	A2,A10,A33>	AHG

	**** Serum 1081 ****			**** Serum 1082 ****			**** Serum 1083 ****			**** Serum 1084 ****					
Investigator	% POS	A11	Other	% POS	A11	Other	% POS	A11	Other	% POS	A11	A26		Other	Method
Dunk, Arthur		+			+			+	A26,A36		+	+		A25,A34,A6601	OTH
McCluskey, Jame	16	+		7			19	+		22	+	+			OTH

*** Serum 1081 ***
5 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A1	60%	100%
A36	60%	67%
A10	40%	100%
B51	40%	38%
A24	20%	100%
A25	20%	100%
A3	20%	100%
A34	20%	100%
A66	20%	100%
A80	20%	100%
B5	20%	100%
A26	20%	60%
B52	20%	50%

*** Serum 1082 ***
5 typing Labs

Antigen	Consensus	Inclusion
A11	100%	88%
A1	60%	38%
A3	40%	100%
A10	20%	100%
A29	20%	100%
A36	20%	100%
B52	20%	100%
A34	20%	67%

*** Serum 1083 ***
5 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A36	60%	67%
A1	20%	100%
A10	20%	100%
A24	20%	100%
A3	20%	100%
A32	20%	100%
A34	20%	100%
A66	20%	100%
A80	20%	100%
B14	20%	100%
B35	20%	100%
BW4	20%	100%
A26	20%	80%
A25	20%	50%

*** Serum 1084 ***
5 typing Labs

Antigen	Consensus	Inclusion
A11	80%	100%
A1	60%	62%
A34	40%	100%
A26	40%	80%
A25	40%	67%
A31	40%	43%
A10	20%	100%
A10C	20%	100%
A1C	20%	100%
A2	20%	100%
A3	20%	100%
A33	20%	100%
A36	20%	100%
A66	20%	100%
A68	20%	100%
B12C	20%	100%
B5C	20%	100%
BW4	20%	100%

Method: Antiglobulin

2 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%

2 typing Labs

Antigen	Consensus	Inclusion
A11	50%	100%

2 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A26	50%	60%
A36	50%	33%

2 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A26	100%	100%
A34	50%	100%
A6601	50%	100%
A25	50%	50%

Method: Other

**** Serum 1081 ****

Investigator	% POS	A26	A25	A1	A24	A3	A36	A43	A34	A80	A11	B51	B78	B18	B75	B35	B73	CW7	B52	CW18	B53	CW6	A66	B39	B65	B77	B71	B64	CW4	A6601	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B60,B61,B62,B13 >	LMX
Askar, Medhat Z.	90	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	+	A2403,A1101,A1102	LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			+									LMX
Cecka, J. Michae	78	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+			B60,B62,B8	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	B60,B61,B48,B62 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+						+	B5	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		B49,B38,B72,A6602	LMX
Gandhi, Manish M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B60,B61,B48,B62 >	LMX
Gideoni, Osnat		+	+	+		+	+	+			+		+						+												B37	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	B60,B61,B62,B76 >	LMX
Hamdi, Nuha	78	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+									LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+		+									LMX
Holdsworth, Rhon		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	B60,B61,B48,B62 >	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+		+		+	+		+		+	+	+	+							A30	LMX
Kapoor, Parkman/		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX
Klein, Tirza	78	+	+	+	+	+	+	+	+	+	+	+		+											+					+	B61,A69	LMX
Loewenthal MD, R	82	+	+		+	+	+	+	+		+			+									+	+						B60,B61,A31,A32 >	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+			+	+	+	+	+		+	B60,B61,B48,B62 >	LMX
McAlack-Hanau,	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+		+									LMX
McCluskey, James	17	+	+	+	+	+	+	+	+				+					+		+										+	A2403,A1101,A1102	LMX
Ozawa, Mikki		+	+	+	+						+	+				+								+				+			B27,A29,A30,A23 >	LMX
Pais, Maria Luis		+	+	+	+	+	+	+	+	+	+												+									LMX
Pancoska, Carol	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									LMX
Permpikul, Vejba		+	+	+		+			+		+			+									+									LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+			+	+		LMX
Ramon, Daniel Ph		+	+	+	+	+	+	+	+	+		+			+	+	+	+	+	+										+	A2403,B7801,A1101 >	LMX
Rosen-Bronson, S	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B60,B61,B62,B13 >	LMX
Suciu-Foca, Nico	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B60,B61,B48,B62 >	LMX
Tabary, Thierry	64	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	A2403,A1101,A1102	LMX
Turner, E.V. PhD		+	+	+	+		+	+		+	+	+	+		+		+		+				+								LMX
Vidan-Jeras, Bla	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						B76,B37,B3901	LMX

**** Serum 1082 ****

Investigator	% POS	A3	A34	A36	A25	A29	A1	A24	A26	A33	A31	A43	A30	A68	A32	A74	A80	A11	A69	B73	A66	CW18	A23	CW7	B62	CW6	A6602	A6601	B49	B50	B76	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						A1C,A2C	LMX
Askar, Medhat Z.	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+		+	+	A2403,A1101,A1102	LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+											LMX
Cecka, J. Michae	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+							LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A203,B52,B72 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+	+				A10,A19,A28	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+						LMX
Gandhi, Manish M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	CW4,A2,B47,B52 >	LMX
Gideoni, Osnat		+	+	+	+	+	+	+		+	+	+		+				+			+												LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Hamdi, Nuha	85	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+							LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+									LMX
Holdsworth, Rhon		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+	+	+	+	CW4,B52,B75,B56 >	LMX
JunHe,		+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+				+								LMX
Kapoor, Parkman/		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Klein, Tirza	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+	+					LMX
Loewenthal MD, R	98	+	+	+	+	+		+	+		+				+			+			+											B60,B58,B41,A1C	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+		+		+	+	+	+	+	B51,B52,B75,B56 >	LMX
McAlack-Hanau,	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												LMX
McCluskey, James	19	+	+	+		+		+		+		+	+			+						+		+			+	+				A2403,A1101,A1102 >	LMX
Ozawa, Mikki					+	+	+	+	+	+	+		+	+	+			+					+						+			B13,B44,B27,B51 >	LMX
Pais, Maria Luis		+	+	+	+		+		+			+					+	+			+												LMX
Pancoska, Carol	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX
Permpikul, Vejba		+	+	+	+		+		+	+								+			+											LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Ramon, Daniel Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+		+	+	+				B15,A2403,A1101 >	LMX
Rosen-Bronson, S		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	B52,B75,B72	LMX
Suciu-Foca, Nico	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	B52,B75,B72	LMX
Tabary, Thierry	65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+		+	+	+				A2403,A1101,A1102	LMX
Turner, E.V. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+												A1C	LMX
Vidan-Jeras, Bla	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	B72	LMX

**** Serum 1083 ****

Investigator	% POS	A3	A24	A1	A26	A25	A34	A36	A43	A32	A29	A74	A80	B27	A11	B37	B73	CW18	A30	A31	A33	CW6	CW15	CW5	B57	A68	A66	CW7	B51	CW2	B63	A69	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,B49,B47,B52 >	LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A2,B62,B49 >	LMX
Askar, Medhat Z.	99	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	CW4,A203,A2,B62 >	LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+				+	+	+			+	+		+			CW17	LMX
Cecka, J. Michae	61	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+		+	+	B49,B13,B47,B44 >	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A203,A2,B62 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	A10,B49,B47,B52 >	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	CW4,B49,B52,B53 >	LMX
Gandhi, Manish M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A2,B61,B48 >	LMX
Gideoni, Osnat		+	+	+	+	+		+	+		+	+	+		+					+	+					+	+					B53,B42	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A2,B62,B49 >	LMX
Hamdi, Nuha	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+			CW17	LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+			CW17	LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+			+	+		+	+		CW4,B47,B53	LMX
Holdsworth, Rhon		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	CW4,B49,B47,B52 >	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+			+	+	B62,B53,B55,B67 >	LMX
Kapoor, Parkman/		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,B49,B47,B44 >	LMX
Klein, Tirza	82	+	+	+	+	+	+	+	+	+		+			+											+	+					+	B58,A6602	LMX
Loewenthal MD, R	100	+	+	+	+	+	+	+	+	+				+	+					+					+								B60,B38,B58,B41	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+				+	+			+		+	+	A2,B60,B61,B48 >	LMX
McAlack-Hanau,	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+				+	+	+		+		+		B52	LMX
McCluskey, James	13	+	+				+	+	+									+									+						A2403,A1101 >	LMX
Ozawa, Mikki			+	+	+	+				+	+			+	+	+			+	+	+							+					B49,B7,A23,B39 >	LMX
Pais, Maria Luis		+		+	+	+	+	+	+				+		+			+								+								LMX
Pancoska, Carol	68	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B49,B52,B77,CW17	LMX
Permpikul, Vejba		+	+	+	+	+	+			+					+				+		+						+							LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,B52,B77,CW17	LMX
Ramon, Daniel Ph		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	CW4,B49,B47,B52 >	LMX
Rosen-Bronson, S		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A2,B62,B49 >	LMX
Suciu-Foca, Nico	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A2,B62,B49 >	LMX
Tabary, Thierry	62	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	CW4,B49,B47,B52 >	LMX
Turner, E.V. PhD		+	+	+	+	+	+	+	+	+	+	+	+		+		+	+				+	+	+					+				LMX
Vidan-Jeras, Bla	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B49,B52,B53,B55 >	LMX

**** Serum 1084 ****

Investigator	% POS	A33	A3	A34	A31	A26	A25	A68	A29	A1	A74	A36	A43	A2	A30	A69	A80	A11	A66	A6601	A6602	A24	A2403	A1101	A1102	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				A1C,A2C	LMX
Askar, Medhat Z.	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+	A203	LMX
Baker, Judy		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+								LMX
Cecka, J. Michae	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							CW18	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+	A203	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					A10,A28	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+					LMX
Gandhi, Manish M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				B56	LMX
Gideoni, Osnat		+	+	+	+	+	+	+	+	+	+	+	+					+	+							B61,B53,B18,B35 >	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+				LMX
Hamdi, Nuha	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Holdsworth, Rhon		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+		LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				CW6,CW1,CW5,CW7 >	LMX
Kapoor, Parkman/		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					LMX
Klein, Tirza	94	+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+					B60,B61,B50,B18 >	LMX
Loewenthal MD, R	98	+	+	+	+	+	+	+	+	+								+		+						B27,B53,B39,B58 >	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+	B82,B54,B56,B46	LMX
McAlack-Hanau,	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
McCluskey, James	24	+	+	+	+	+	+	+	+		+	+	+	+	+	+				+	+			+	+		LMX
Ozawa, Mikki		+	+		+				+	+				+	+			+				+				B49,B13,B44,B27 >	LMX
Pais, Maria Luis		+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+								LMX
Pancoska, Carol	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Permpikul, Vejba		+		+		+	+				+							+	+								LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Ramon, Daniel Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+	A203	LMX
Rosen-Bronson, S		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					LMX
Suciu-Foca, Nico	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					LMX
Tabary, Thierry	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+		LMX
Turner, E.V. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+									LMX
Vidan-Jeras, Bla	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+				LMX

*** Serum 1081 ***
33 typing Labs

Antigen	Consensus	Inclusion
A26	100%	10%
A25	100%	9%
A1	97%	17%
A24	94%	18%
A3	94%	14%
A36	94%	10%
A43	94%	7%
A34	91%	14%
A80	85%	7%
A11	82%	26%
B51	82%	16%
B78	82%	9%
B18	76%	100%
B75	76%	14%
B35	76%	11%
B73	76%	9%
CW7	73%	21%
B52	73%	10%
CW18	73%	7%
B53	70%	80%
CW6	58%	79%
A66	58%	10%
B39	52%	100%
B65	45%	100%
B77	45%	100%
B71	39%	100%
B64	39%	50%
CW4	36%	100%
A6601	33%	100%
B37	30%	100%
B38	30%	100%
B60	30%	100%
B61	30%	100%
B76	27%	100%
B8	27%	100%
B62	27%	67%
A2403	21%	100%
B13	21%	100%
A1101	18%	100%
A1102	18%	100%
B72	18%	100%
B48	15%	100%

Method: Luminex

*** Serum 1082 ***
33 typing Labs

Antigen	Consensus	Inclusion
A3	97%	14%
A34	97%	14%
A36	97%	10%
A25	97%	9%
A29	94%	20%
A1	94%	17%
A24	94%	15%
A26	94%	10%
A33	91%	16%
A31	91%	10%
A43	91%	6%
A30	88%	17%
A68	88%	15%
A32	88%	11%
A74	85%	11%
A80	82%	6%
A11	79%	22%
A69	76%	100%
B73	73%	9%
A66	70%	14%
CW18	67%	9%
A23	55%	86%
CW7	52%	100%
B62	52%	80%
CW6	48%	86%
A6602	30%	100%
A6601	27%	100%
B49	24%	100%
B50	24%	100%
B76	24%	100%
A1101	21%	100%
A1102	21%	100%
A2403	21%	100%
B72	21%	100%
B52	18%	100%
B75	15%	100%

*** Serum 1083 ***
33 typing Labs

Antigen	Consensus	Inclusion
A3	97%	100%
A24	97%	25%
A1	97%	24%
A26	97%	15%
A25	97%	13%
A34	94%	20%
A36	94%	15%
A43	94%	9%
A32	91%	16%
A29	85%	23%
A74	85%	16%
A80	85%	11%
B27	79%	86%
A11	79%	31%
B37	79%	13%
B73	79%	13%
CW18	79%	11%
A30	76%	100%
A31	76%	100%
A33	76%	90%
CW6	73%	23%
CW15	73%	15%
CW5	73%	11%
B57	70%	86%
A68	70%	80%
A66	70%	20%
CW7	70%	7%
B51	67%	88%
CW2	67%	7%
B63	64%	100%
A69	64%	67%
B52	61%	80%
B53	61%	75%
CW17	61%	7%
B38	58%	100%
B49	58%	100%
B58	58%	100%
B77	58%	100%
A23	52%	100%
B47	48%	100%
CW4	45%	100%
B55	33%	100%
A6602	30%	100%
B42	30%	100%
B59	30%	100%
B67	30%	100%
B44	30%	83%
B13	27%	100%
B62	27%	100%
B7	27%	100%
A2	24%	100%
B81	24%	100%
A1101	21%	100%
A1102	21%	100%
A2403	21%	100%
A6601	21%	100%

*** Serum 1084 ***
33 typing Labs

Antigen	Consensus	Inclusion
A33	100%	15%
A3	97%	13%
A34	97%	12%
A31	97%	10%
A26	97%	9%
A25	97%	8%
A68	94%	100%
A29	94%	19%
A1	94%	16%
A74	94%	10%
A36	91%	9%
A43	91%	5%
A2	88%	28%
A30	88%	15%
A69	82%	100%
A80	82%	7%
A11	79%	21%
A66	64%	13%
A6601	30%	100%
A6602	30%	100%
A24	27%	50%
A2403	24%	100%
A1101	21%	100%
A1102	21%	100%

	**** Serum 1081 ****									**** Serum 1082 ****			**** Serum 1083 ****			**** Serum 1084 ****				
Investigato	% POS	A1	A11	A24	A25	A26	A3	A36	A66	Other	% POS	BW4	BW6	Other	% POS	BW4	BW6	Other	% POS	BW4	BW6	Other	Method
Alvarez, Ca	37	+	+	+	+	+	+			B51>	38			A11>	59			A11>	37			A11>	FC
Eckels/CPMC	95										98				99				96				FC
Esteves Kon		+	+	+	+	+	+	+	+			+	+			+	+			+	+		FC
Esteves-Kon		+	+	+	+	+	+	+	+			+	+			+	+			+	+		FC
Kapoor, Par		+	+	+	+	+	+	+	+	CW4>													FC

	**** Serum 1081 ****								**** Serum 1082 ****						**** Serum 1083 ****								**** Serum 1084 ****												
Investigato	% POS	A11	A34	A66	A25	A26	A36	A1	Other	% POS	A11	A25	A36	A66	A34	Other	% POS	A11	A24	A34	A1	A25	A36	A66	A3	Other	% POS	A11	A25	A66	A1	A2	A30	A31	A33	A34	A36	A68	A80	Other	Method
Esteves-Kon		+	+	+	+	+	+	+	A24		+	+	+	+	+	A24>		+	+	+	+		+		+	A29>		+	+	+	+		+	+		+	+				EIA
Hahn, Amy B		+	+	+	+	+	+	+	A80		+	+	+	+	+	A26>		+	+	+	+	+	+	+		A26>		+	+	+	+	+	+	+	+	+	+	+	+	+	A26>	EIA
Vidan-Jeras	25	+	+	+					B51	14	+						53	+	+	+		+		+	+		64	+	+	+		+			+			+	+	A74	EIA

*** Serum 1081 ***
5 typing Labs

Antigen	Consensus	Inclusion
A1	80%	100%
A11	80%	100%
A24	80%	100%
A25	80%	100%
A26	80%	100%
A3	80%	100%
A36	60%	100%
A66	60%	100%
A34	40%	100%
B18	40%	100%
B35	40%	100%
B51	40%	100%
B52	40%	100%
A43	20%	100%
A80	20%	100%
B14	20%	100%
B39	20%	100%
B53	20%	100%
B64	20%	100%
B65	20%	100%
B71	20%	100%
B73	20%	100%
B75	20%	100%
B77	20%	100%
B78	20%	100%
CW18	20%	100%
CW4	20%	100%
CW6	20%	100%
CW7	20%	100%

Method: Flow cytometry

*** Serum 1082 ***
5 typing Labs

Antigen	Consensus	Inclusion
BW4	40%	95%
BW6	40%	75%
A1	20%	100%
A11	20%	100%
A24	20%	100%
A25	20%	100%
A26	20%	100%
A29	20%	100%
A3	20%	100%
A30	20%	100%
A32	20%	100%
A33	20%	100%
A34	20%	100%
A68	20%	100%

*** Serum 1083 ***
5 typing Labs

Antigen	Consensus	Inclusion
BW4	40%	100%
BW6	40%	83%
A1	20%	100%
A11	20%	100%
A24	20%	100%
A25	20%	100%
A26	20%	100%
A29	20%	100%
A3	20%	100%
A30	20%	100%
A31	20%	100%
A32	20%	100%
A33	20%	100%
A34	20%	100%
A68	20%	100%
B13	20%	100%
B27	20%	100%
B44	20%	100%
B49	20%	100%
B51	20%	100%
B52	20%	100%

*** Serum 1084 ***
5 typing Labs

Antigen	Consensus	Inclusion
BW4	40%	95%
BW6	40%	92%
A1	20%	100%
A11	20%	100%
A2	20%	100%
A25	20%	100%
A26	20%	100%
A29	20%	100%
A3	20%	100%
A30	20%	100%
A31	20%	100%
A33	20%	100%
A34	20%	100%
A68	20%	100%

*** Serum 1081 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A34	100%	100%
A66	100%	50%
A25	67%	100%
A26	67%	100%
A36	67%	100%
A1	67%	86%
A80	33%	100%
B51	33%	100%
A24	33%	50%

*** Serum 1082 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A25	67%	100%
A36	67%	100%
A66	67%	75%
A34	67%	50%
A26	33%	100%
A29	33%	100%
A30	33%	100%
A80	33%	100%
A1	33%	86%
A24	33%	50%

*** Serum 1083 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A24	100%	100%
A34	100%	50%
A1	67%	100%
A25	67%	100%
A36	67%	100%
A66	67%	100%
A3	67%	75%
A26	33%	100%
A30	33%	100%
A80	33%	100%
A29	33%	75%

*** Serum 1084 ***
3 typing Labs

Antigen	Consensus	Inclusion
A11	100%	100%
A25	100%	100%
A66	100%	100%
A1	67%	100%
A2	67%	100%
A30	67%	100%
A31	67%	100%
A33	67%	100%
A34	67%	100%
A36	67%	100%
A68	67%	100%
A80	67%	100%
A26	33%	100%
A29	33%	100%
A3	33%	100%
A69	33%	100%
A74	33%	100%

Method: Elisa

	INVESTIGATOR	DNA EXTRACT #545 (Black)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*02:01:01	*23:01:01/17	*07:02:01/26/61	*14:02:01/03	*07:01/06/18	*08:43	RSSO,SBT
4691	Ajlan,Abdula	*02	*23	*07	*14	*07	*05/*08	SSO
2332	Al-Awwami,Mo	*02	*23	*07	*14	*07	*08	SSP
5133	Baker,Judy	*02	*23	*07	*14(B65)	*07	*08	SSP
4345	Blasczyk,Rai	*02:01:01G	*23:01:01G	*07:02:01G	*14:02:01	*07:01P	*08:43	PCR-SBT
785	Chan,Soh Ha	*02:01/09	*23:01/04/07N	*07:02/26/35/42+	*14:02/03	*07:01/06/16/18+	*08:02/05/28	SBT
9916	Charlton,Ron	*02:01:01	*23:01:01/17	*07:02:01/61	*14:02:01	*07:18	*08:43	SBT,SSP
9916	Charlton_LR	*02	*23	*07	*14	*07	*08	SSP
3224	Chen,Dongfen	*02:01	*23:01/17	*07:02/61	*14:02	*07	*08:43	SBT
8021	Clark,Brenda	*02:01:01+	*23:01+	*07:02+	*14:02+	*07:01+	*08:02+	PCR-SSP
1108	Clark,Traci	*02	*23	*07	*14	*07	*08	RSSOP
5219	Daniel,Dolly	*02	*23	*07	*14			PCR-SSOP
5323	Dhaliwal,J.S	*02:01+	*23:01/32	*07:02	*14:02/15/16	*07:18	*08:02+	PCR-SSP
5891	Du,Keming	*02:01/36/43N/90+	*23:01/07N/11N+	*07:02/26/61/115	*14:02/03/23	*07:01/06/18/150Q	*08:43	PCR-SBT
3766	Dunn,Paul	*02	*23	*07	*14	*07	*08	PCR-SSO,SSP
3135	Enczmann,J.	*02:01/01L	*23:01	*07:02	*14:02	*07:01/06/18	*08:43	SBT,PCR-SSO
8038	Fernandez-V	*02:01:01	*23:01:01/17	*07:02:01/61	*14:02:01	*07:01/06/18	*08:43	SSO,SSP,SBT
762	Fischer&Mayr	*02:01/01L/09/43N+	*23:01/07N/17+	*07:02/44/49N/58+	*14:02	*07:01/06/18/52+	*08:43	SBTexons1-3
4079	Fort,Marylis	*02	*23	*07	*14	*07	*08	RSSO,SSP
8022	Hedlund,Anna	*02:01/77	*23:01	*07:02	*14:02	*07:18	*08:02	SSP
1461	Hidajat,Mela	*02:01	*23:01	*07:02	*14:02	*07:18	*08:43	SSO,SSP,SBT
615	Holdsworth,R	*02:01:01G	*23:01:01G	*07:02:01G	*14:02	*07:01:01G	*08:43	SBT
745	Holman,Richa	*02:01:01	*23:01:01	*07:02:01	*14:02:01	*07:18	*08:02:01	SSO,SSP,SBT
2344	Hurley&Hartz	*02:01:01G	*23:01:01+	*07:02:01G	*14:02:01	*07:01:01G	*08:43	SBT
13	Kapoor/Park	*02:01	*23:01	*07:02	*14:02	*07:18	*08:02/43	SSP
797	Kato,Shunich	*02:01/01L	*23:01/17	*07:02/61	*14:02	*07:01/06/18	*08:43	SSO,SBT
2847	Kihara,Masaa	*02	*23	*07	*14	*07	*08	RSSO
1694	Kissel&Hess	*02	*23	*07	*14	*07	*08	SSP
87	Land,Geoff	*02:01	*23:01	*07:02	*14:02	*07:18	*08:43	SBT,SSO,SSP
278	Lee,Jar-How	*02:01/97/294	*23:01	*07:02/61	*14:02	*07:18	*08:02/32/34/43	SSP,RSSOP
640	Lee,Kyung Wh	*02:01	*23:01/17	*07:02/61	*14:02	*07:01/18	*08:43	PCR-SBT
5096	Lee,Sun-Ah	*02	*23	*07	*14			SSOP
8042	Muncher,Lior	*02:01	*23:01	*07:02	*14:02	*07:18	*08:02	SSO,SSP
9001	Muncher_LR	*02	*23	*07	*14	*07	*08	SSOP
3966	Permpikul&Ve	*02	*23	*07	*14	*07	*08	PCR-SSP
2400	Phelan,Donna	*02:01	*23:01/17	*07:02/61	*14:02	*07:01:01G	*08:43	RSSO,SBT,SSP
3753	Reed,Elaine	*02:01/36/90	*23:01/04/12/17	*07:02/26/61/115	*14:02/03/23	*07:01/06/18	*08:43	SBT
3798	Reinsmoen,N	*02:01:01/01L	*23:01:01/17	*07:02:01/61	*14:02:01	*07:18	*08:43	PCR-SSO,SBT
4251	Schiller,J	*02:01P	*23:01P	*07:02P	*14:02	*07:01:01G	*08:43	PCR-RSSO,SBT
3545	Scornik,Juan	*02:01/01L	*23:01/17	*07:02/61	*14:02	*07:01/06/18	*08:43	SSOP,SBT
8068	Shanmugam,He	*02	*23	*07	*14	*07	*08	PCR-SSP
4021	Trachtenberg	*02	*23	*07	*14	*07	*08	SSO,SSP
5462	Turner,E.V.	*02:01:01G	*23:01:01/17	*07:02:01/61	*14:02:01	*07:01:01/18	*08:43	SEQ,SSO

INVESTIGATOR	DNA EXTRACT #546 (Hispanic)						
CTR NAME	A1		B1	B2	C1	C2	method
5488 Adams,Sharon	*02:01:01	*02:06:01	*15:08/15	*35:01/20:01/42:01	*01	*04	RSSO,SBT
4691 Ajlan,Abdula	*02	*02	*15	*35	*01	*04	SSO
2332 Al-Awwami,Mo	*02		*15	*35	*01	*04	SSP
5133 Baker,Judy	*02		*15:08/11/15	*35	*01	*04	SSP
4345 Blasczyk,Rai	*02:01:01G	*02:06P	*15:15	*35:01:01G	*01:02P	*04:01:01G	PCR-SBT
785 Chan,Soh Ha	*02:01/09	*02:06	*15:08/15	*35:01/20/40N/42+	*01:02/11/14/17+	*04:01/09N/10/26+	SBT
9916 Charlton,Ron	*02:01:01	*02:06:01	*15:15	*35:01:01	*01:02	*04:01	SBT,SSP
9916 Charlton_LR	*02		*15//*15:144	*35//*18:29	*01	*04	SSP
3224 Chen,Dongfen	*02:01	*02:06	*15:15	*35:01	*01:02	*04	SBT
8021 Clark,Brenda	*02:01:01+		*15:02/08+	*35:01+	*01:02+	*04:01:01+	PCR-SSP
1108 Clark,Traci	*02	*02	*15	*35	*01	*04	RSSOP
5219 Daniel,Dolly	*02	*02	*15	*35			PCR-SSOP
5323 Dhaliwal,J.S	*02:01	*02:06	*15:08/15	*35:01	*01:01/10+	*04:01/12/14+	PCR-SSP
5891 Du,Keming	*02:01/06	*02:06/43N	*15:08/15	*35:01/20/42/145N	*01:02:01/14/17	*04:01/09N/30/82+	PCR-SBT
3766 Dunn,Paul	*02	*02	*15:15	*35	*01	*04	PCR-SSO,SSP
3135 Enczmann,J.	*02:01/01L	*02:06	*15:15	*35:01	*01:02	*04:01/09N/30	SBT,PCR-SSO
8038 Fernandez-V	*02:01:01	*02:06:01	*15:15	*35:01:01	*01:02	*04:01:01/09N/30/82	SSO,SSP,SBT
762 Fischer&Mayr	*02:01/01L/09/43N+	*02:06/126	*15:15	*35:01/40N/57/94+	*01:02/25	*04:01/09N/28/30/41	SBTexons1-3
4079 Fort,Marylis	*02:01/241/252+	*02:06/290	*15:15	*35:01/20/40N/42+	*01:02/41/48	*04:01/09N/28/30+	RSSO,SSP
8022 Hedlund,Anna	*02		*15:15	*35:01	*01:02	*04:01	SSP
1461 Hidajat,Mela	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSO,SSP,SBT
615 Holdsworth,R	*02:01:01G	*02:06:01G	*15:15	*35:01:01G	*01:02:01G	*04:01:01G	SBT
745 Holman,Richa	*02:01:01	*02:06:01	*15:15	*35:01	*01:02	*04:01	SSO,SSP,SBT
2344 Hurley&Hartz	*02:01:01G	*02:06:01/126	*15:15	*35:01:01G	*01:02:01G	*04:01:01G	SBT
13 Kapoor/Park	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSP
797 Kato,Shunich	*02:01/01L	*02:06	*15:08/15	*35:01/20/42	*01:02	*04:01/09N/30	SSO,SBT
2847 Kihara,Masaa	*02	*02	*15	*35	*01	*04	RSSO
1694 Kissel&Hess	*02		*15	*35	*01	*04	SSP
87 Land,Geoff	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SBT,SSO,SSP
278 Lee,Jar-How	*02:01/97/291/294	*02:06/290	*15:15	*35:01/57	*01:02/25/40-42+	*04:01/57/62/63/65+	SSP,RSSOP
640 Lee,Kyung Wh	*02:01	*02:06	*15:15	*35:01/42	*01:02	*04:01/09N/30/82	PCR-SBT
5096 Lee,Sun-Ah	*02	*02	*15	*35			SSOP
8042 Muncher,Lior	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSO,SSP
9001 Muncher_LR	*02		*15	*35	*01	*04	SSOP
3966 Permpikul&Ve	*02		*15:15	*35	*01	*04	PCR-SSP
2400 Phelan,Donna	*02:01	*02:06	*15:15	*35:01/42	*01:02	*04:01:01G	RSSO,SBT,SSP
3753 Reed,Elaine	*02:01	*02:06	*15:08/15	*35:01/20/42	*01:02/14/17/58	*04:01/09N/10/29+	SBT
3798 Reinsmoen,N	*02:01:01/01L	*02:06:01	*15:15	*35:01/42	*01:02	*04:01/09N/30/82	PCR-SSO,SBT
4251 Schiller,J	*02:01P	*02:06	*15:15	*35:01P	*01:02	*04:01P	PCR-RSSO,SBT
3545 Scornik,Juan	*02:01/01L	*02:06	*15:15	*35:01/42	*01:02	*04:01/09N/30/82	SSOP,SBT
8068 Shanmugam,He	*02	*02	*15(B75)	*35	*01	*04	PCR-SSP
4021 Trachtenberg	*02	*02	*15	*35	*01	*04	SSO,SSP
5462 Turner,E.V.	*02:01:01G	*02:06:01	*15:15	*35:01/42	*01:02:01	*04:01	SEQ,SSO

	INVESTIGATOR	DNA EXTRACT #547 (Filipino)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*24:02		*27:06	*38:02:01	*03	*07	RSSO,SBT
4691	Ajlan,Abdula	*24	*24	*27	*38	*03	*07	SSO
2332	Al-Awwami,Mo	*24		*27	*38	*03	*07	SSP
5133	Baker,Judy	*24		*27	*38	*03(Cw10)	*07	SSP
4345	Blasczyk,Rai	*24:02:01G		*27:06	*38:02P	*03:04P	*07:02P	PCR-SBT
785	Chan,Soh Ha	*24:02/09N/11N		*27:06	*38:02/18	*03:04/32/35/38+	*07:02/10/29/39+	SBT
9916	Charlton,Ron	*24:02		*27:06	*38:02:01	*03:04	*07:02	SBT,SSP
9916	Charlton_LR	*24		*27	*38	*03	*07	SSP
3224	Chen,Dongfen	*24:02		*27:06	*38:02	*03:04	*07:02/50	SBT
8021	Clark,Brenda	*24:02+		*27:06+	*38:01+	*03:02/04+	*07:02+	PCR-SSP
1108	Clark,Traci	*24	*24	*27	*38	*03	*07	RSSOP
5219	Daniel,Dolly	*24	*24	*27	*38			PCR-SSOP
5323	Dhaliwal,J.S	*24:02/98+		*27:06	*38:02	*03:04/23+	*07:02/50	PCR-SSP
5891	Du,Keming	*24:02/11N/86N	*24:02/11N/86N	*27:06	*38:02	*03:04/32/35/38+	*07:02/10/39/29+	PCR-SBT
3766	Dunn,Paul	*24		*27:06/21	*38:02/15/18/23	*03	*07	PCR-SSO,SSP
3135	Enczmann,J.	*24:02		*27:06	*38:02	*03:04	*07:02	SBT,PCR-SSO
8038	Fernandez-V	*24:02		*27:06	*38:02:01	*03:04:01	*07:02:01/50	SSO,SSP,SBT
762	Fischer&Mayr	*24:02/09N/11N/40N/76/79/83N		*27:06	*38:02/18	*03:04	*07:02/50/66/74	SBTexons1-3
4079	Fort,Marylis	*24:02/150/153-155N		*27:06	*38:02	*03:04/105/106	*07:02/100/105+	RSSO,SSP
8022	Hedlund,Anna	*24:02/142		*27:06	*38:02	*03:04	*07:02	SSP
1461	Hidajat,Mela	*24:02		*27:06	*38:02	*03:04	*07:02	SSO,SSP,SBT
615	Holdsworth,R	*24:02:01G		*27:06	*38:02:01G	*03:04:01G	*07:02:01G	SBT
745	Holman,Richa	*24:02/153/163N		*27:06	*38:02:01	*03:04	*07:02	SSO,SSP,SBT
2344	Hurley&Hartz	*24:02:01:01+	*24:02:01:01+	*27:06	*38:02:01/18	*03:04:01:01+	*07:02:01G	SBT
13	Kapoor/Park	*24:02		*27:06	*38:02	*03:04	*07:02	SSP
797	Kato,Shunich	*24:02		*27:06	*38:02	*03:04	*07:02/50	SSO,SBT
2847	Kihara,Masaa	*24		*27	*38	*03	*07	RSSO
1694	Kissel&Hess	*24		*27	*38	*03	*07	SSP
87	Land,Geoff	*24:02	*24:02	*27:06	*38:02	*03:04	*07:02	SBT,SSO,SSP
278	Lee,Jar-How	*24:02/150/153-155N/163N		*27:06	*38:02/15/18	*03:04/90/93/100+	*07:02	SSP,RSSOP
640	Lee,Kyung Wh	*24:02		*27:06	*38:02	*03:04	*07:02/50	PCR-SBT
5096	Lee,Sun-Ah	*24	*24	*27	*38			SSOP
8042	Muncher,Lior	*24:02		*27:06	*38:02	*03:04	*07:02	SSO,SSP
9001	Muncher_LR	*24		*27	*38	*03	*07	SSOP
3966	Permpikul&Ve	*24		*27	*38	*03	*07	PCR-SSP
2400	Phelan,Donna	*24:02		*27:06	*38:02	*03:04	*07:02/50	RSSO,SBT,SSP
3753	Reed,Elaine	*24:02	*24:02	*27:06	*38:02	*03:04/32/35/38+	*07:02/10/27/29+	SBT
3798	Reinsmoen,N	*24:02/02L		*27:06	*38:02:01	*03:04:01	*07:02:01/50	PCR-SSO,SBT
4251	Schiller,J	*24:02P	*24:02P	*27:06	*38:02	*03:04	*07:02:01G	PCR-RSSO,SBT
3545	Scornik,Juan	*24:02/02L		*27:06	*38:02	*03:04	*07:02/50	SSOP,SBT
8068	Shanmugam,He	*24	*24	*27	*38	*03	*07	PCR-SSP
4021	Trachtenberg	*24		*27	*38	*03	*07	SSO,SSP
5462	Turner,E.V.	*24:02		*27:06	*38:02	*03:04:01	*07:02	SEQ,SSO

INVESTIGATOR	DNA EXTRACT #548 (Hispanic)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
5488 Adams,Sharon	*24:02	*25:01:01	*39	*40	*03:06	*07:02:01/50	RSSO,SBT
4691 Ajlan,Abdula	*24	*25	*39	*40	*03	*07	SSO
2332 Al-Awwami,Mo	*24	*25	*39	*40	*03	*07	SSP
5133 Baker,Judy	*24	*25	*39	*40(B61)	*03(Cw10)	*07	SSP
4345 Blasczyk,Rai	*24:02:01G	*25:01P	*39:06:02	*40:02:01G	*03:06	*07:02P	PCR-SBT
785 Chan,Soh Ha	*24:02/06/09/11N+	*25:01/06/04/07/09	*39:03/06/14/50	*40:02/06/39/56+	*03:04/32/35+	*07:02/10/29+	SBT
9916 Charlton,Ron	*24:02	*25:01:01	*39:06:02	*40:02:01	*03:06	*07:02:01	SBT,SSP
9916 Charlton_LR	*24	*25	*39	*40	*03	*07	SSP
3224 Chen,Dongfen	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02/50	SBT
8021 Clark,Brenda	*24:02+	*25:01:01+	*39:06	*40:02+	*03:02/04+	*07:02+	PCR-SSP
1108 Clark,Traci	*24	*25	*39	*40	*03	*07	RSSOP
5219 Daniel,Dolly	*24	*25	*39	*40			PCR-SSOP
5323 Dhaliwal,J.S	*24:32	*25:01/05	*39:06	*40:02	*03:06	*07:02/50	PCR-SSP
5891 Du,Keming	*24:02/06/11N/29/46+	*25:01/04/06/09/15	*39:03/06/14/50	*40:06/02/86/39	*03:06	*07:02/50	PCR-SBT
3766 Dunn,Paul	*24	*25	*39:06/14/50/62	*40	*03	*07	PCR-SSO,SSP
3135 Enczmann,J.	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02	SBT,PCR-SSO
8038 Fernandez-V	*24:02	*25:01:01	*39:06:02	*40:02:01	*03:06	*07:02:01/50	SSO,SSP,SBT
762 Fischer&Mayr	*24:02/09N/11N/40N+	*25:01/07	*39:06	*40:02/56/97/144N	*03:06	*07:02/50/66+	SBTexons1-3
4079 Fort,Marylis	*24	*25	*39	*40	*03	*07	RSSO,SSP
8022 Hedlund,Anna	*24:02/142	*25:01	*39:06	*40:02	*03:06	*07:02	SSP
1461 Hidajat,Mela	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02	SSO,SSP,SBT
615 Holdsworth,R	*24:02:01G	*25:01:01G	*39:06	*40:02:01G	*03:06	*07:02:01G	SBT
745 Holman,Richa	*24:02	*25:01:01	*39:06	*40:02	*03:06	*07:02:01	SSO,SSP,SBT
2344 Hurley&Hartz	*24:02:01:01+	*25:01:01/07	*39:06:02	*40:02:01/56/97+	*03:06	*07:02:01G	SBT
13 Kapoor/Park	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02	SSP
797 Kato,Shunich	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02/50	SSO,SBT
2847 Kihara,Masaa	*24	*25	*39	*40	*03	*07	RSSO
1694 Kissel&Hess	*24	*25	*39	*40	*03	*07	SSP
87 Land,Geoff	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02	SBT,SSP,SSO
278 Lee,Jar-How	*24:02/150/153-155N+	*25:01/07	*39:06	*40:02	*03:06	*07:02	SSP,RSSOP
640 Lee,Kyung Wh	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02/50	PCR-SBT
5096 Lee,Sun-Ah	*24	*25	*39	*40			SSO
8042 Muncher,Lior	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02	SSO,SSP
9001 Muncher_LR	*24	*25	*39	*40	*03	*07	SSOP
3966 Permpikul&Ve	*24	*25	*39	*40:02	*03	*07	PCR-SSP
2400 Phelan,Donna	*24:02	*25:01	*39:06	*40:02	*03:06	*07:02/50	RSSO,SBT,SSP
3753 Reed,Elaine	*24:02/06/29/46/99	*25:01/04/06/09/15	*39:03/06/14/50	*40:02/06/39/86	*03:06	*07:02/50	SBT
3798 Reinsmoen,N	*24:02/02L	*25:01:01	*39:06:02	*40:02:01	*03:06	*07:02:01/50	PCR-SSO,SBT
4251 Schiller,J	*24:02P	*25:01	*39:06	*40:02	*03:06	*07:02:01G	PCR-RSSO,SBT
3545 Scornik,Juan	*24:02/02L	*25:01	*39:06	*40:02	*03:06	*07:02/50	SSOP,SBT
8068 Shanmugam,He	*24	*25	*39	*40(B61)	*03	*07	PCR-SSP
4021 Trachtenberg	*24	*25	*39	*40	*03	*07	SSO,SSP
5462 Turner,E.V.	*24:02	*25:01:01	*39:06:02	*40:02:01	*03:06	*07:02:01	SEQ,SSO

SUMMARY

Extract 545 (Black)

43 labs

A*02	54%
A*02:01/01L	9%
A*02:01	17%
A*02:01:01	9%
A*02:01P	2%
A*02:01:01G	9%
A*02	100% TOTAL
A*23	51%
A*23:01/17	12%
A*23:01:01/17	12%
A*23:01	16%
A*23:01:01	2%
A*23:01P	2%
A*23:01:01G	5%
A*23	100% TOTAL

43 labs

B*07	49%
B*07:02/61	14%
B*07:02:01/61	9%
B*07:02	17%
B*07:02:01	2%
B*07:02P	2%
B*07:02:01G	7%
B*07	100% TOTAL
B*14	49%
B*14:02	35%
B*14:02:01	16%
B*14	100% TOTAL

41 labs

C*07	44%
C*07:01/06/18	15%
C*07:01/18	5%
C*07:18	24%
C*07:01P	2%
C*07:01:01G	10%
C*07	100% TOTAL
C*08	42%
C*08:02	5%
C*08:02:01	2%
C*08:43	49%
C*08	98% TOTAL

Extract 546 (Hispanic)

43 labs

A*02	49%
A*02:01/01L	10%
A*02:01	21%
A*02:01:01	9%
A*02:01P	2%
A*02:01:01G	9%
A*02	100% TOTAL
A*02	49%
A*02:06	33%
A*02:06:01	14%
A*02:06P	2%
A*02:06:01G	2%
A*02	100% TOTAL

43 labs

B*15	30%
B*15:08/15	14%
B*15:15	56%
B*15	100% TOTAL
B*35	51%
B*35:01/42	12%
B*35:01	21%
B*35:01:01	5%
B*35:01P	2%
B*35:01:01G	7%
B*35	98% TOTAL

41 labs

C*01	51%
C*01:02	39%
C*01:02:01	3%
C*01:02P	2%
C*01:02:01G	5%
C*01	100% TOTAL
C*04	54%
C*04:01/09N/30/82	10%
C*04:01/09N/30	5%
C*04:01	19%
C*04:01P	2%
C*04:01:01G	10%
C*04	100% TOTAL

Extract 547 (Filipino)

43 labs

A*24	60%
A*24:02	33%
A*24:02P	2%
A*24:02:01G	5%
A*24	100% TOTAL

43 labs

B*27	35%
B*27:06	65%
B*27	100% TOTAL
B*38	37%
B*38:02/18	7%
B*38:02	40%
B*38:02:01	12%
B*38:02P	2%
B*38:02:01G	2%
B*38	100% TOTAL

41 labs

C*03	49%
C*03:04	39%
C*03:04:01	7%
C*03:04P	2%
C*03:04:01G	3%
C*03	100% TOTAL
C*07	46%
C*07:02/50	15%
C*07:02:01/50	5%
C*07:02	24%
C*07:02P	3%
C*07:02:01G	7%
C*07	100% TOTAL

Extract 548 (Hispanic)

43 labs

A*24	58%
A*24:02	33%
A*24:02P	2%
A*24:01:01G	5%
A*24:32	2%
A*24	100% TOTAL
A*25	54%
A*25:01	28%
A*25:01:01	14%
A*25:01P	2%
A*25:01:01G	2%
A*25	100% TOTAL

43 labs

B*39	44%
B*39:06	42%
B*39:06:02	14%
B*39	100% TOTAL
B*40	49%
B*40:02	37%
B*40:02:01	9%
B*40:02:01G	5%
B*40	100% TOTAL

41 labs

C*03	37%
C*03:06	63%
C*03	100% TOTAL
C*07	39%
C*07:02/50	20%
C*07:02:01/50	7%
C*07:02	17%
C*07:02:01	7%
C*07:02P	3%
C*07:02:01G	7%
C*07	100% TOTAL

CTR	INVESTIGATOR NAME	CELL NO.1457 (Caucasian) A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*31	*33	*14	*27	*08	*15	PCR-SSP
8075	Al-Baz,Nabe	*31	*33	*14	*27	*08	*15	SSO
16	Askar,Medhat	*31:01:02	*33:01:01	*14:02:01	*27:07:01	*08:02:01//04	*15:02:01//08	PCR-RSSOP,SBT
774	Cecka,J.Mich	*31	*33	*14:02-04/06/09+	*27:07/11	*08	*15	SSP
4492	Charron,D.	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	PCR-SSO,SSP
798	Claas,F.H.J.	*31:01:02	*33:01:01	*14:02:01	*27:07	*08:02:01	*15:02:01	SBT,SSP
3632	Colombe,Beth	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	SSP,SSOP
5130	Costeas,Paul	*31:01/05	*33:01	*14:02	*27:07	*08:02/04	*15:02	SSP
779	Daniel,Claud	*31	*33	*14(B65)	*27	*08	*15	PCR-SSP
3766	Dunn,Paul	*31	*33	*14:02/09/16/20	*27:07/43	*08	*15	SSO
5214	Eckels/CPMC	*31	*33	*14(B65)	*27	*08	*15	SSOP
762	Fischer&Mayr	*31:01/14N/23	*33:01	*14:02	*27:07	*08:02	*15:02/13	SBTex1-3
792	Gandhi,Manis	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	SSO,SSP
810	Hamdi,Nuha	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	SSO
4269	Hanau,Daniel	*31:01:02	*33:01:01	*14:02:01	*27:07:01	*08:02:01	*15:02:01	RSSO,SBT
3808	Hogan,Patric	*31	*33	*14	*27	*08	*15	
745	Holman,Richa	*31:01:02	*33:01:01	*14:02	*27:07	*08:02:01	*15:02:01	SSO,SSP,SBT
859	Kamoun,Malek	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	PCR-SSP,SBT
4337	Kim,Tai-Gyu	*31:01/14N/23/46+	*33:01/38	*14:02	*27:07	*08:02/52N	*15:02/13/47	SBT
168	Klein,Tirza	*31:01	*33:04	*14:02	*27:07	*08:02	*15:02	PCR-SSO,SSP
9000	Klein_LR	*31	*33	*14	*27	*08	*15	PCR-SSO,SSP
725	Lardy,N.M.	*31	*33	*14	*27	*05	*15	
278	Lee,Jar-How	*31:01/46	*33:01/38	*14:02/20	*27:07	*08:02/32/34/43+	*15:02/28/33/38+	SSP,RSSOP
6649	Lim,Young Ae	*31	*33	*14	*27	*08	*15	
274	Lo,Raymundo	*31	*33	*14	*27	*08	*15	SSO
731	Loewenthal,R	*31:01:02	*33:01:01	*14:02:01	*27:07	*08:02:01/04	*15:02:01/08	SBT,SSO
759	Lopez-Cepero	*31:01/06/09/11+	*33:01/03-06+	*14:02/09/16	*27:07/43	*08:02/04/05/28	*15:02/03/08/10+	RSSO
23	Mah,Helen	*31:01/06	*33:01	*14:02	*27:07	*08:02	*15:02/13	PCR-SSO
8029	Mani,Rama	*31	*33	*14	*27			PCR-SSP
206	McAlack-Hana	*31	*33	*14(B65)	*27	*08	*15	RSSOP
8001	Rao,Prakash	*31	*33	*14:02	*27	*08	*15	RSSOP
3625	Rees,Tracey	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	PCR-SSP,SBT
5200	Reinke,Denni	*31	*33	*14(B65)	*27	*08	*15	SSP
3519	Renac,Virgi	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	SBT,PCR-SSP
1160	Rosen-Bronso	*31:01	*33:01	*14:02	*27:07	*08:02/04	*15:02/08	
793	Rubocki,Ron	*31	*33	*14(B65)	*27	*08	*15	
4251	Schiller,J	*31:01	*33:01	*14:02	*27:07	*08:02	*15:02	PCR-RSSO,SBT
747	Tiercy,Jean-	*31:01:02	*33:01:01	*14:02:01	*27:07:01	*08:02:01	*15:02:01	RSSO,SBT
5451	Tilanus,Marc	*31:01:02	*33:01:01	*14:02:01	*27:07:01	*08:02:01	*15:02:01	SBT
5462	Turner,E.V.	*31:01:02	*33:01:01	*14:02:01	*27:07:01	*08:02:01	*15:02:01	SEQ,SSO
5642	Varnavidou-N	*31	*33	*14	*27	*08	*15	PCR-SSP

	INVESTIGATOR	CELL NO.1458 (Chinese)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*11	*24	*40:01	*15:25	*03:04	*04	PCR-SSP
8075	Al-Baz,Nabe	*11	*24	*40	*15	*03	*04	SSO
16	Askar,Medhat	*11:01//19//27//+	*24:02//07//10//+	*40:01	*15:25:01	*03:04:01//28//32	*04:03//06//107	PCR-RSSOP,SBT
774	Cecka,J.Mich	*11	*24	*40:01+	*15:25	*03:02+	*04	SSP
4492	Charron,D.	*11:01	*24:02/02Q/21	*40:01	*15:25	*03:04	*04:03	PCR-SSO,SSP
798	Claas,F.H.J.	*11:01:01	*24:02:01	*40:01:02	*15:25:01	*03:04:01	*04:03	SBT,SSP
3632	Colombe,Beth	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	SSP,SSOP
5130	Costeas,Paul	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	SSP
779	Daniel,Claud	*11	*24	*40(B60)	*15(B62)	*03(Cw10)	*04	PCR-SSP
3766	Dunn,Paul	*11	*24	*40:01+	*15:25/204/219	*03:04+	*04:03/06	SSO
5214	Eckels/CPMC	*11	*24	*40(B60)	*15(B62)	*03(Cw10)	*04	SSOP
762	Fischer&Mayr	*11:01/21N	*24:02/09N/11N+	*40:01/55/141	*15:25	*03:04	*04:03	SBTex1-3
792	Gandhi,Manis	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	SSO,SSP
810	Hamdi,Nuha	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	SSO
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*11	*24	*40	*15:25/204	*03	*04	
745	Holman,Richa	*11:01	*24:02	*40:01	*15:25	*03:04:01	*04:03	SSO,SSP,SBT
859	Kamoun,Malek	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	PCR-SSP,SBT
4337	Kim,Tai-Gyu	*11:01/21N/69N+	*24:02/09N/11N+	*40:01/55/141+	*15:25	*03:04/100/101/105+	*04:03	SBT
168	Klein,Tirza	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	PCR-SSO,SSP
9000	Klein_LR	*11	*24	*40	*15	*03	*04	PCR-SSO,SSP
725	Lardy,N.M.	*11	*24	*40	*15	*03	*04	
278	Lee,Jar-How	*11:01/69N/86	*24:02	*40:01	*15:25	*03:04/93/100/101+	*04:03	SSP,RSSOP
6649	Lim,Young Ae	*11	*24	*40(B60)	*15(B62)	*03(Cw10)	*04	
274	Lo,Raymundo	*11	*24	*40:63	*15:40	*03	*04	SSO
731	Loewenthal,R	*11:01	*24:02	*40:01	*15:25:01	*03:04/28	*04:03/06	SBT,SSO
759	Lopez-Cepero	*11:01-03/05/07+	*24:02/05/07/09N+	*40:01/22N/43+	*15:25	*03:04/06/09/19/23+	*04:03/06	RSSO
23	Mah,Helen	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	PCR-SSO
8029	Mani,Rama	*11	*24	*40	*15			PCR-SSP
206	McAlack-Hana	*11	*24	*40(B60)	*15(B62)	*03(Cw10)	*04	RSSOP
8001	Rao,Prakash	*11	*24	*40:01	*15:25	*03:04/06/09	*04	RSSOP
3625	Rees,Tracey	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	PCR-SSP,SBT
5200	Reinke,Denni	*11	*24	*40(B60)	*15(B62)	*03(Cw10)	*04	SSP
3519	Renac,Virgi	*11:01	*24:02	*40:01	*15:25	*03:04	*04:03	SBT,PCR-SSP
1160	Rosen-Bronso	*11	*24	*40:01/49	*15:25/204	*03:04	*04:03	
793	Rubocki,Ron	*11	*24	*40(B60)	*15(B62)	*03(Cw10)	*04	
4251	Schiller,J	*11:01	*24:02P	*40:01P	*15:25	*03:04	*04:03	PCR-RSSO,SBT
747	Tiercy,Jean-	*11:01:01	*24:02:01G	*40:01:04	*15:25:02	*03:04:01G	*04:03	PCR-SSO,SBT
5451	Tilanus,Marc	*11:01:01	*24:02:01	*40:01	*15:25:01	*03:04:01	*04:03	SBT
5462	Turner,E.V.	*11:01:01	*24:02	*40:01/49	*15:25/204	*03:04/32	*04:03/107	SEQ,SSO
5642	Varnavidou-N	*11	*24	*40	*15	*03	*04	PCR-SSP

CTR	INVESTIGATOR NAME	CELL NO.1459 (Hispanic) A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*01	*68	*35	*15:17	*01	*07	PCR-SSP
8075	Al-Baz,Nabe	*01	*68	*35	*15	*01	*07	SSO
16	Askar,Medhat	*01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02//17//58	*07:01:02//40//16	PCR-RSSOP,SBT
774	Cecka,J.Mich	*01	*68	*35:43/67/79/86+	*15:17/162/168+	*01	*07	SSP
4492	Charron,D.	*01:01/01L/01N	*68:03	*35:43/67	*15:17/162	*01:02	*07:01	PCR-SSO,SSP
798	Claas,F.H.J.	*01:01:01:01	*68:03:01	*35:43	*15:17:01	*01:02:01	*07:01	SBT,SSP
3632	Colombe,Beth	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SSP,SSOP
5130	Costeas,Paul	*01:01/24	*68:03	*35:43	*15:17	*01:02/08	*07:01/98N	SSP
779	Daniel,Claud	*01	*68	*35	*15(B63)	*01	*07	PCR-SSP
3766	Dunn,Paul	*01	*68:03/24/57	*35:43+	*15:17+	*01	*07	SSO
5214	Eckels/CPMC	*01	*68	*35	*15(B63)	*01	*07	SSOP
762	Fischer&Mayr	*01:01/04N/22N/32/34N+	*68:03	*35:43/67/79	*15:17	*01:02/25	*07:01/06/18/52	SBTex1-3
792	Gandhi,Manis	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SSO,SSP
810	Hamdi,Nuha	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SSO
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*01	*68	*35:43/67/79/86+	*15:17/196	*01	*07	
745	Holman,Richa	*01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02:01	*07:01	SSO,SSP,SBT
859	Kamoun,Malek	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	PCR-SSP,SBT
4337	Kim,Tai-Gyu	*01:01/04N/22N/32/37+	*68:03	*35:43	*15:17	*01:02/25/44	*07:01/18/52/153+	SBT
168	Klein,Tirza	*01:01	*68:02	*35:43	*15:17	*01:02	*07:01	PCR-SSO,SSP
9000	Klein_LR	*01	*68	*35	*15	*01	*07	PCR-SSO,SSP
725	Lardy,N.M.	*01	*68	*35	*15	*01	*07	
278	Lee,Jar-How	*01:01	*68:03	*35:43/67/79/102+	*15:17/162/196+	*01:02/25/40+	*07:01	SSP,RSSOP
6649	Lim,Young Ae	*01	*68	*35	*15(B63)	*01	*07	
274	Lo,Raymundo	*01	*68	*35	*15	*01	*07:19	SSO
731	Loewenthal,R	*01:01:01	*68:03:01	*35	*15:17	*01:02	*07:01:02	SBT,SSO
759	Lopez-Cepero	*01:01/04N/09/16N/17+	*68:03/24	*35:43/67/79	*15:17/162/177	*01:02/07/11+	*07:01/06/16/18+	RSSO
23	Mah,Helen	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01/06/18	PCR-SSO
8029	Mani,Rama	*01	*68	*35	*15			PCR-SSP
206	McAlack-Hana	*01	*68	*35	*15(B63)	*01	*07	RSSOP
8001	Rao,Prakash	*01	*68	*35	*15:17	*01	*07	RSSOP
3625	Rees,Tracey	*01:01	*68:03	*35:43	*15:17	*01:02/11	*07:01	PCR-SSP,SBT
5200	Reinke,Denni	*01	*68	*35	*15(B63)	*01	*07	SSP
3519	Renac,Virgi	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SBT,PCR-SSP
1160	Rosen-Bronso	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01/150Q	
793	Rubocki,Ron	*01	*68	*35	*15(B63)	*01	*07	
4251	Schiller,J	*01:01:01G	*68:03	*35:43	*15:17	*01:02	*07:01:01G	PCR-RSSO,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*01:01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02:01	*07:01:02	SBT
5462	Turner,E.V.	*01:01:01:01/01:01:02N	*68:03:01	*35:43:01	*15:17:01	*01:02:01	*07:01:02	SEQ,SSO
5642	Varnavidou-N	*01	*68	*35	*15	*01	*07	PCR-SSP

	INVESTIGATOR	CELL NO.1460 (Hispanic)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*03	*68	*35	*39	*04	*07	PCR-SSP
8075	Al-Baz,Nabe	*03	*68	*35	*39	*04	*07	SSO
16	Askar,Medhat	*03:01/20/26/37/45+	*68:03:01	*35:01/42	*39:05:01	*04:01//07//29	*07:02//125//76	PCR-RSSOP,SBT
774	Cecka,J.Mich	*03	*68	*35	*39	*04	*07	SSP
4492	Charron,D.	*03:01	*68:03	*35:01	*39:05	*04:01	*07:02	PCR-SSO,SSP
798	Claas,F.H.J.	*03:01:01	*68:03:01	*35:01/42	*39:05:01	*04:01/82	*07:02/50	SBT,SSP
3632	Colombe,Beth	*03:01	*68:03	*35:01	*39:05	*04:01	*07:02	SSP,SSOP
5130	Costeas,Paul	*03:01	*68:03	*35:01	*39:05	*04:01	*07:02	SSP
779	Daniel,Claud	*03	*68	*35	*39	*04	*07	PCR-SSP
3766	Dunn,Paul	*03	*68	*35	*39	*04	*07	SSO
5214	Eckels/CPMC	*03	*68	*35	*39	*04	*07	SSOP
762	Fischer&Mayr	*03:01/01N/20/21N+	*68:03	*35:01/40N/57+	*39:05	*04:01/09N/28+	*07:02/50/66/74	SBTex1-3
792	Gandhi,Manis	*03:01	*68:03	*35:01	*39:05	*04:01	*07:02	SSO,SSP
810	Hamdi,Nuha	*03:01	*68:01	*35:01	*39:01	*04:01	*07:02	SSO
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*03	*68:03-05/20+	*35	*39	*04	*07	
745	Holman,Richa	*03:01:01	*68:03:01	*35:01	*39:05:01	*04:01	*07:02	SSO,SSP,SBT
859	Kamoun,Malek	*03:01	*68:03	*35:01	*39:05	*04:01/82	*07:02	PCR-SSP,SBT
4337	Kim,Tai-Gyu	*03:01/20/21N/26/37+	*68:03	*35:01/40N/42+	*39:05	*04:01/09N/28+	*07:02/50/66/74+	SBT
168	Klein,Tirza	*03:01	*68:03	*35:01	*39:05	*04:01	*07:04	PCR-SSO,SSP
9000	Klein_LR	*03	*68	*35	*39	*04	*07	PCR-SSO,SSP
725	Lardy,N.M.	*03	*68	*35	*39	*04	*07	
278	Lee,Jar-How	*03:01	*68:03	*35:01/57	*39:05	*04:01	*07:02	SSP,RSSOP
6649	Lim,Young Ae	*03	*68	*35	*39	*04	*07	
274	Lo,Raymundo	*03	*68	*35	*39	*04	*07	SSO
731	Loewenthal,R	*03:01:01	*68:03:01	*35:01	*39:05:01	*04:01:01	*07:02	SBT,SSO
759	Lopez-Cepero	*03:01/04/08/11N/13+	*68:01/03/07+	*35:01/06/07+	*39:01/05/07/24+	*04:01/05/07+	*07:02/32N/38+	RSSO
23	Mah,Helen	*03:01	*68:01/03	*35	*39:01/05	*04:01	*07:02	PCR-SSO
8029	Mani,Rama	*03	*68	*35	*39			PCR-SSP
206	McAlack-Hana	*03	*68	*35	*39	*04	*07	RSSOP
8001	Rao,Prakash	*03	*68	*35	*39	*04	*07	RSSOP
3625	Rees,Tracey	NT						
5200	Reinke,Denni	*03	*68	*35	*39	*04	*07	SSP
3519	Renac,Virgi	*03:01	*68:03	*35:01	*39:05	*04:01	*07:02	SBT,PCR-SSP
1160	Rosen-Bronso	*03:01	*68:03	*35:01	*39:05	*04:01/07/30/82	*07:02/125	
793	Rubocki,Ron	*03	*68	*35	*39	*04	*07	
4251	Schiller,J	*03:01:01G	*68:03	*35:01P	*39:05	*04:01P	*07:02:01G	PCR-RSSO,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*03:01:01	*68:03:01	*35:01:01	*39:05:01	*04:01:01	*07:02:01	SBT
5462	Turner,E.V.	*03:01:01/01:01:02N	*68:03:01	*35:01/42	*39:05:01	*04:01:01	*07:02:01	SEQ,SSO
5642	Varnavidou-N	*03	*68	*35	*39	*04	*07	PCR-SSP

SUMMARY

Cell 1457 (Caucasian)

41 labs

A*31	56%
A*31:01	24%
A*31:01:02	20%
A*31	100% TOTAL
A*33	49%
A*33:01	29%
A*33:01:01	20%
A*33:04	2%
	100% TOTAL

41 labs

B*14	44%
B*14:02	39%
B*14:02:01	17%
B*14	100% TOTAL
B*27	44%
B*27:07	44%
B*27:07:01	12%
B*27	100% TOTAL

40 labs

C*08	45%
C*08:02/04	10%
C*08:02	28%
C*08:02:01	15%
C*08	98% TOTAL
C*15	53%
C*15:02/08	7%
C*15:02	25%
C*15:02:01	15%
C*15	100% TOTAL

Cell 1458 (Chinese)

40 labs

A*11	58%
A*11:01	32%
A*11:01:01	10%
A*11	100% TOTAL
A*24	58%
A*24:02	33%
A*24:02:01	5%
A*24:02P	2%
A*24:02:01G	2%
A*24	100% TOTAL

40 labs

B*40	48%
B*40:01	43%
B*40:01:02	2%
B*40:01:04	2%
B*40:01P	3%
B*40:63	2%
B*40	100% TOTAL
B*15	38%
B*15:25	48%
B*15:25:01	10%
B*15:25:02	2%
B*15:40	2%
B*15	100% TOTAL

39 labs

C*03	54%
C*03:04	36%
C*03:04:01	8%
C*03:04:01G	2%
C*03	100% TOTAL
C*04	51%
C*04:03	49%
C*04	100% TOTAL

Cell 1459 (Hispanic)

39 labs

A*01	56%
A*01:01	26%
A*01:01:01	10%
A*01:01:01:01	5%
A*01:01:01G	3%
A*01	100% TOTAL
A*68	46%
A*68:02	3%
A*68:03	36%
A*68:03:01	15%
A*68	100% TOTAL

39 labs

B*35	57%
B*35:43	33%
B*35:43:01	10%
B*35	100% TOTAL
B*15	46%
B*15:17	41%
B*15:17:01	13%
B*15	100% TOTAL

38 labs

C*01	61%
C*01:02	29%
C*01:02:01	10%
C*01	100% TOTAL
C*07	58%
C*07:01	29%
C*07:01:01G	2%
C*07:01:02	8%
C*07:19	3%
C*07	100% TOTAL

Cell 1460 (Hispanic)

38 labs

A*03	55%
A*03:01	29%
A*03:01:01	13%
A*03:01:01G	3%
A*03	100% TOTAL
A*68	50%
A*68:01	2%
A*68:03	32%
A*68:03:01	16%
A*68	100% TOTAL

38 labs

B*35	58%
B*35:01/42	8%
B*35:01	29%
B*35:01:01	2%
B*35:01P	3%
B*35	100% TOTAL
B*39	50%
B*39:01	2%
B*39:05	32%
B*39:05:01	16%
B*39	100% TOTAL

37 labs

C*04	62%
C*04:01	27%
C*04:01:01	8%
C*04:01P	3%
C*04	100% TOTAL
C*07	59%
C*07:02	30%
C*07:02:01	5%
C*07:02:01G	3%
C*07:04	3%
C*07	100% TOTAL

		Cell No 1457 (Caucasian)									Cell No 1458 (Chinese)									Cell No 1459 (Hispanic)										Cell No 1460 (Hispanic)								
Investigator	Days Old	Viab %	A31	A33	B14	B27	CW8	BW4	BW6	OTHERS	Viab %	A11	A24	B60	B62	CW3	CW4	BW6	OTHERS	Viab %	A1	A68	B35	B63	CW1	CW7	BW4	BW6	OTHERS	Viab %	A3	A68	B35	B39	CW4	CW7	BW6	OTHERS
Alonso, Anton	???		+	+	B65	+	+					+	+	+	+	W10					+	+	+	+	+	+					+	+	+	+	+	+		
Alvarez, Carr	???	0									0									0										0								
Askar, Medhat	2	95	+	+	B65	+		+	+		95	+	+	+	+	+	+	+	C4X6	95	+	+	+	+	+	+	+	+	B35V	95	+	+	+	+	+	+	+	
Cecka, J. Mic	???		+	+	B65	+		+	+			+	+	+	+			+			+	+	+	+			+	+			+	+	+	+			+	
Charron, Domi	???	95	+	+	+	+					95	+	+	B40	+					90	+	+	+	+						95	+	+	+	B16				
Claas, F.H.J.	8	90	+	+	+	+		+	+		90	+	+	+	+	+	03	+		90	+	+	+	+	+		+	+		90	+	+	+	+	+		+	
Dunk, Arthur	2	98	+	+	+	+	+	+	+		98	+	+	+	+	+	W6	+		98	+	+	+	+	+	+	+	+		98	+	A28	+	+	+	+	+	
Dunn, Paul	???	95	+	+	B65	+		+	+		95	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+	+	+			+	
Enczmann, J	???	98	+	+	B65	+					95	+	+	+	+					95	+	+	+	+						95	+	+	+	+				
Esteves Kondo	3	98	+	+	B65	+	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	
Fort, Marylis	3	95	+	+	+	+		+	+		90	+	+	+	+			+		98	+	+	+	+			+	+		100	+	+	+	+			+	
Gideoni, Osna	???																																					
Hahn, Amy B.	???	99	+	+	+	+	+	+	+		96	+	+	+	+	W10	+	+		99	+	+	+	+	+	+	+	+		99	+	+	+	+	+	+	+	B38
Harville, Ter	???																																					
Hesse, Kissel	???	95	+	+	B65	+	+				80	+	+	+	+	+	+			90	+	+	+	+	+	+				90	+	+	+	+	+	+		
Hogan, Patric	10	80	+	+	B65	+	+	+	+		80	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	
Holdsworth, R	10	90	+	+	B65	+					90	+	+	+	B15					95	+	+	+	+						96	+	+	+	+				
Holman, Richa	7	90	+	+	+	+					90	+	+	+	+					85	+	+	+	+						80	+	+	+	+				
Hubbell, Char	2	95	+	+	B65	+		+	+		95	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+	+	+			+	
Israel, Shosh	???																																					
Kapoor, Parkm	2	100	+	+	B65	+	+				100	+	+	+	+	+	+			100	+	+	+	+	+	+				100	+	+	+	+	+	+		
Keown, Paul M	8	98	+	+	+	+		+	+		85	+	+	B40	+			+		80	+	A28	+	+			+	+		90	+	A28	+	B16			+	
Klein, Tirza	???	90	+	+	B65	+	+	+	+	CW2	80	+	+	+	+	+		+		80	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	
Kvam, Vonnett	???																																					
Loewenthal MD	???	75	+	+	B65	+	+	+	+		90	+	+	+	+	+		+		75	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	
Mah, Helen	???	98	+	+	+	+		+	+		98	+	+	+	+			+		98	+	+	+	+			+	+		98	+	+	+	+			+	
McCluskey, Ja	13	65	+	+	B65	+	+	+	+		70	+	+	+	+	+	03	+	B1525	70	+	+	+	+			+	+		65	+	A28	+	+			+	
Meyer, Pieter	???	85		+	B65	+	+			A30	80	+		+	+	+			A80	80	+	+	+			+		B62	85	+	+	+	+		+		
Mpuntsha, Loy	???																																					
Norin, Allen	???																																					
Pancoska, Car	2	97	+	+	B65	+	+	+	+		97	+	+	+	+		X6	+		97	+	+	+	+	+	+	+	+		97	+	+	+	+	+	+	+	
Permpikul, Ve	7	90	+	+	+	+		+	+		90	11.	+	+	+			+		90	+	+	+	+			+	+		90	+	+	+	+			+	
Pollack, Mari	2	95	+	+	+	+	+	+	+		95	+	+	+	+	+	W6	+		95	+	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+	
Rees, Tracey	8	80	+	+	B65	+	+	+	+	CW2	90	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	
Renac, Virgin	???	99	+	+	+	+		+	+		99	+	+	+	B15			+		99	+	A28	+	B15			+	+		99	+	A28	+	B16			+	
Rosen-Bronson	???	90	+	+	B65	+	+				90	+	+	+	+	+				90	+	+	+	+	+	+				90	+	+	+	+	+	+		
Rubocki, Rona	???	98	+	+	B65	+	+	+	+			+	+	+	+	+		+		98	+	A28	+	+		+	+	+		98	+	A28	+	B16	+	+	+	
Shai, Isaac	9	93	+	+	+	+	+	+	+		90	+	+	+	+	+		+	CW17	91	+	A28	+	B15		+	+	+		91	+	A28	+	+	+	+	+	
Stamm, Luz	7	95	+	+	B65	+	+			CW15	90	+	+	+	+	+	+			80	+	+	+	+	+	+				80	+	+	+	+	+	+		
Stavropoulos,	2	98	+	+	+	+	+	+	+	CW15	98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	
Tiercy, Jean-	7	70	+	+	B65	+			+		60	+	+	+	+			+		NT										NT								
Tilanus, Marc	8	90	+	+	+	+		+	+		90	+	+	+	+			+		80	+	A28	+	+			+	+		90	+	A28	+	+			+	
Varnavidou-Ni	6	98	+	+	B65	+		+	+		98	+	+	+	+			+		98	+	+	+	+			+	+		98	+	+	+	+			+	
Vidan-Jeras,	8	C	+	+	B65	+		+	+		80	+	+	+	+			+		85	+	+	+	+			+	+		95	+	+	+	+			+	
Walter Reed N	???	98	+	+	B65	+	+			CW2	97	+	+	+	+	+				98	+	A28	+	+	+	+				98	+	A28	+	+	+	+		
Watson, Narel	8	60	A19		+	+					80	+	+	+	+					80	+	A28	+	B15						80	+	A28	+	+				
Wisecarver, J	3	98	+	+	+	+		+	+		98	+	+	+	+			+		98	+	A28	+	+			+	+		98	+	A28	+	+			+	

SUMMARY TABLE

(Caucasian) Cell 1457 (40 Samples Typed)		(Chinese) Cell 1458 (40 Samples Typed)		(Hispanic) Cell 1459 (39 Samples Typed)		(Hispanic) Cell 1460 (39 Samples Typed)	
A31	95.0%	A11	97.5%	A1	100.0%	A3	100.0%
A19	2.5%	A11.1	2.5%				
	[97.5%]		[100.0%]	A68	79.5%	A68	74.4%
				A28	20.5%	A28	25.6%
A33	97.5%	A24	97.5%		[100.0%]		[100.0%]
	[97.5%]		[97.5%]				
				B35	100.0%	B35	100.0%
B14	40.0%	B60	95.0%				
B65	60.0%	B40	5.0%	B63	89.7%	B39	89.7%
	[100.0%]		[100.0%]	B15	7.7%	B16	10.3%
					[97.4%]		[100.0%]
B27	100.0%	B62	95.0%				
	[100.0%]	B15	5.0%	CW1	46.2%	CW4	51.3%
			[100.0%]				[51.3%]
CW8	50.0%			CW7	51.3%		
		CW3	47.5%			CW7	51.3%
BW4	67.5%	CW10	7.5%	BW4	69.2%		
			[55.0%]			BW6	69.2%
BW6	70.0%			BW6	69.2%		
		CW4	22.5%				
		C4X6	5.0%				
		CW6	5.0%				
		CW0403	5.0%				
			[35.0%]				
		BW6	70.0%				
Others Found		Others Found		Others Found		Others Found	
CW2	7.5%	B1525	2.5%	B35V	2.6%	B38	2.6%
CW15	5.0%	A80	2.5%	B62	2.6%		
A30	2.5%	CW17	2.5%				