REPORT OF THE 369TH CELL EXCHANGE

NOVEMBER 6, 2012

Serum	**1101-1104**
DNA Extract	**561-564**
Cells	**1473-1476**

Serum Exchange

This month's antibody study featured 4 samples (**sera 1101-1104**) that were strongly positive to 1C, 7C, 8C, and 12C specificities.

1101	method	#labs	B44	B45	B13	B49	B50	B60	B47	B52	B53	B62	B61	B41	B76	B75	B35	B51	B72	B37	B82	B38	B77	B71	B78	B46	B59	A1	A23	A24	B18	B57	B48	B63	B58	B8
green	NIH-Std	6	67	33																																
	NIH-Ext	3	100	100																																
	AHG	5	80	80			60																													
	Luminex	32	94	97	97	97	97	97	97	81	94	88	97	94	91	91	88	88	88	81	81	78	78	72	69	69	59	84	56	38	53	47	41	22	19	19
	Flow	3	67	67	67	67						67																								
	ELISA	2	100	100	100	100		100	100	100	100																									

For **Serum 1101,** B44 and B45 were reported by all methods. In general, this sample was reactive to all 12C specificities and to a number of 5C antigens. In particular, strong reactivity to B13 and B49 was detected by Luminex, Flow, and ELISA, and anti-B60, -B47, -B52 and -B53 reactivity was also reported by Luminex and ELISA. Luminex labs detected additional reactions to other 5C specificities and to 1C specificities.

1102	method	#labs	A1	B8	A23	A24	A36	B18	B64	B65	B14	A11	A29	B37	B59	B38	B45	A25	A26	A66	A34	A33	A43
green	NIH-Std	6	83	83																			
	NIH-Ext	3	100	67			67																
	AHG	5	100	60	40	40	60	60			40												
	Luminex	32	94	97	97	97	97	97	91	91		84	97	91	88	81	91	78	91	56	94	91	94
	Flow	3	67	67	67							67	67			67							
	ELISA	2	100	100	100	100			100	100				100	100								

1102	method	#labs	A68	A69	A80	B54	B42	B76	B39	B55	B46	B41	B44	B75	B51	B82	B78	B67	B35	A6601	A30	B77	
green	NIH-Std	6																					
	NIH-Ext	3																					
	AHG	5																					
	Luminex	32	91	88	94	97	94	91	88	84	81	78	78	75	72	69	56	50	41	34	28	22	
	Flow	3																					
	ELISA	2																					

Serum 1102 was found to be strongly positive to A1 and B8 by all methods. Overall, this sample was determined to be a 1C-8C interlocus antibody. Anti-A9 (A23, A24) reactivity was detected by antiglobulin, Luminex, Flow, and ELISA. Reactivity to other 1C (A11, A29, A36) and 8C (B14, B18, B16, B59) specificities was reported by various methods. Luminex also reported strong positivity to a number of specificities in the 10C, 5C, and 7C groups.

1103	method	#labs	B7	B42	B55	B56	B67	B81	B27	B73	B82	B54	B8	B57	B59	B51	Cw1	Cw14	A2
green	NIH-Std	4	no consensus																
	NIH-Ext	3	no consensus																
	AHG	4	75	50															
	Luminex	31	97	100	94	94	90	84	90	81	81	77	48	48	35	26	39	29	19
	Flow	3	67			67													
	ELISA	2	100	100	100		100	100											

For **Serum 1103,** B7 was reported by labs using antiglobulin, Luminex, Flow, and ELISA. Varied or weak reactivity to a few specificities, including B7, was reported by NIH. Luminex and ELISA detected reactivity to a number of antigens (B42, B55, B67, B81) in the 7C group. Additional strong reactivity to other 7C specificities, including B27, B54, B73, and B82, as well as weaker reactivity to C-locus antigens (Cw1 and Cw14) was reported by Luminex.

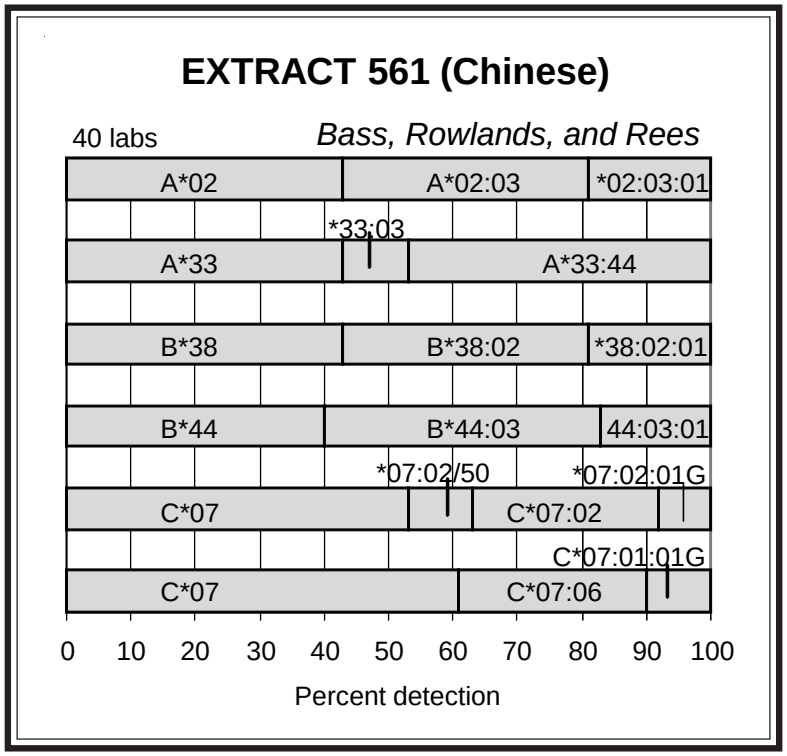
Serum 1104 was reported to be strongly positive to B7 and B13 by all methods. All labs, except those using standard NIH, also detected B27. Strong anti-B60 and -B61 reactivity was reported by NIH, antiglobulin and Luminex labs. Additional reactivity to B41 and B47 was detected by extended-NIH, antiglobulin, and Luminex, whereas Flow and ELISA along with Luminex, reported positivity to B12 (B44, B45), and B49. Luminex and ELISA also reported strong reactivity to B52 and B64. Reactivity to other 5C and 7C antigens, as well as to 8C, 10C, and C-locus (Cw2, Cw17) specificities, was also detected by Luminex.

1104	method	#labs	B7	B13	B60	B61	B27	B47	B41	B44	B45	B49	B48	B81	B52	B64	B50	B73	B42	B37	B51	B8	B35	B53	B18
green	NIH-Std	5	60	60	100	100																			
	NIH-Ext	3	100	100	100	100	67	100	67																
	AHG	5	80	60	80	80	80	40	40		40		60	60											
	Luminex	32	97	97	97	97	94	94	97	100	100	97	97	91	78	72	97	97	94	91	88	88	84	84	84
	Flow	3	67	67			67			67	67	67													
	ELISA	2	100	100			100			100	100	100			100	100									

1104	method	#labs	B39	B38	B71	B72	B67	A32	A74	Cw2	Cw17	B54	B78	B65	B82	B55	B56	B59	B58	A66	A6602	B2708	A31	A33	CW6
green	NIH-Std	5																							
	NIH-Ext	3																							
	AHG	5																							
	Luminex	32	81	78	78	78	75	94	72	84	81	69	62	56	50	44	34	34	25	50	47	22	19	19	19
	Flow	3																							
	ELISA	2																							

Extract Exchange

We would like to acknowledge the generosity of **Helen Bass, Jane Rowlands, and Tracy Rees, Welsh Blood Service, Pontyclun,** in providing the many challenging reference cells studied in our exchanges studies.



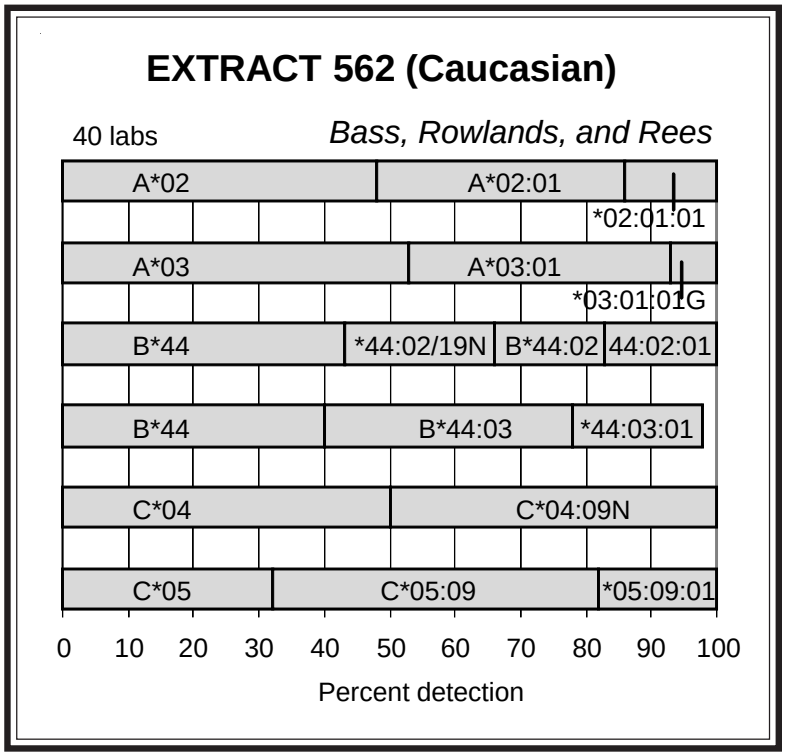
Extract 561. A*33:44 was assigned by 47% in this Chinese cell. A*33:03 was reported by 10%. A*33:44 differs from A*33:03 in exon 4 by a single amino acid substitution at codon 265 (GGT->GAT), resulting in an amino acid change from glycine to aspartic acid. This is the first time A*33:44 has been typed in the Cell Exchange.

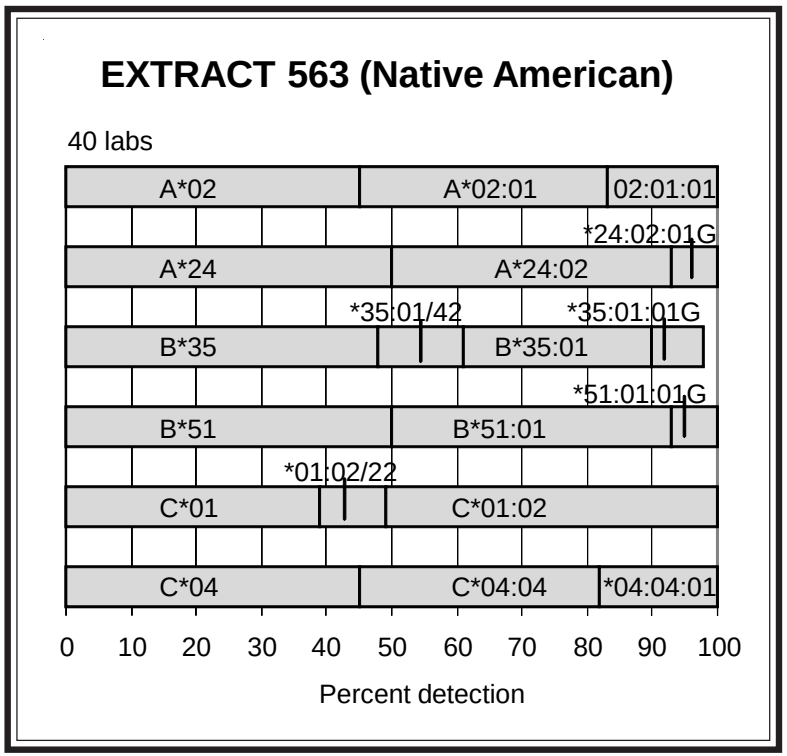
The other A-locus type was A*02:03 (57%), with 15% assigning A*02:03:01.

B*38:02 (*38:02:01) and B*44:03 (*44:03:02) were the reported B-locus types, assigned by 57% and 60%, respectively.

Two different C*07 subtypes were present in this cell. C*07:02 was reported by 37%, with 10% assigning C*07:02/50. The other subtype was C*07:06, as assigned by 26%, with another 10% assigning C*07:01:01G and 3% reporting C*07:01P. From sequencing studies, Xu et al. observed that C*07:06 differs "from its closet allele Cw*070101 by six nucleotide exchange…Besides previously reported polymorphisms in exon 5 and 6, the Cw*0706 allele shows unique nucleotide substitutions in intron 3 (nt1280, T->C), intron 4 (nt1971, T->C), and 3'UTR (nt2987, A->G; nt3005, C->T)." (1) C*07:06 has been observed in another exchange cell, extract 450, also studied in the workshops as IHW#9383.

This DNA was previously typed for class II as Ter 416 (2008). From family study data provided by Rowlands and the 2008 class II data, the haplotypes in this cell were determined to be A*33:44-B*44:03-C*07:06-DRB1*07:01-DQB1*02:02-DQA1*02:01-DPB1*19:01 and A*02:03-B*38:02-C*07:02-DRB1*08:09-DQB1*04:02-DQA1*04:01-DPB1*05:01.





Extract 562. C*04:09N allele was detected in this cell from a Caucasian individual, previously studied as extract 396 (2007). The assignment of C*04:09N improved from a detection level of 35% in 2007 to 50% in this present study. This null allele was found in another exchange cell, extract 353 (same as cell 1305) from an Hispanic donor.

The other C-locus type present in this cell was C*05:09. The detection of this rare allele improved, increasing from a detection level of 54% in 2007 to 68% in this current typing.

The reported A-locus types were A*02:01 (*02:01:01) (52%) and A*03:01 (47%).

Two different B*44 subtypes were present in this cell. B*44:02 was reported by 34%. A number of laboratories, 23%, were unable to distinguish B*44:02 from B*44:19N. Based on the findings of Bettens and Tiercy, the "HLA-B*4419N allele was found to differ from B*4402 by one single base pair deletion at position 7 of exon 1 which results in a stop at codon 19." (2)

B*44:03 was assigned by 58% as the other B*44 subtype, with 20% of labs reporting B*44:03:01.

B*44:02-C*05:09 was one probable association in this cell, with HF= 0.00050 in Hispanics. The other association may likely be B*44:03-C*04:09N. From their investigation of B*44:02 and B*44:03 associations with alleles of HLA-A and HLA-C loci, Pinto et al. concluded "that, besides the known association of both HLA-Cw*1601 and HLA-Cw*0401 with HLA-B*4403, HLA-Cw*0409N is also associated with HLA-B*4403." (3)

Extract 563. This Native American cell was ARA016, a reference cell for DRB1*08:11 which was originally identified in individuals of Native American descent (4, 5). This cell was also studied in previous workshops as IHW#9430 and typed for class II in the Cell Exchange as Ter 324 (2003) and Ter 383 (2006).

The rare allele, C*04:04, was reported by 55% in this cell, with 18% assigning C*04:04:01. This is the first time C*04:04 has been typed in the Cell Exchange.

C*01:02 was detected by 51% as the second C-locus type.

B*35:01 was assigned by 37%. An additional 13% were unable to

distinguish B*35:01 from B*35:42. The other B-locus allele was B*51:01 (50%), with 12% assigning B*51:01:01.

A*02:01 (*02:01:01) and A*24:02 were the A-locus types reported by 55% and 50%, respectively.

One likely association in this cell was B*51:01-C*01:02, observed across all populations, with HF=0.00161 in Hispanic populations. The other probable association was B*35:01-C*04:04, with HF=0.00025 in Hispanics. Based on data from previous exchange studies, the possible class II haplotypes were DRB1*08:11-DQB1*04:02-DQA1*04:01 and DRB1*09:01 (*09:01:02)-DRB4*01:03-DQB1*03:03-DQA1*03:02.

Extract 564. This cell from a Caucasian individual was LE023, a reference cell for B*73:01 and C*15:05:01 (6, 7). It was studied in the workshops as IHW#9267 and in the Cell Exchange, for class I as extracts 90 (1999) and 179 (2001), and for class II as Ter 237 (1999), as astutely noted by Jaatinen.

In this present study, B*73:01 was assigned by 68%, a marked decrease from the 86% detection level in 2001.

The other B-locus allele was B*51:01, reported by 60%, with 22% assigning B*51:01:01. This is a noted increase from the 14% detection rate in 2001, reflecting the improved standardization of this B*51 subtype.

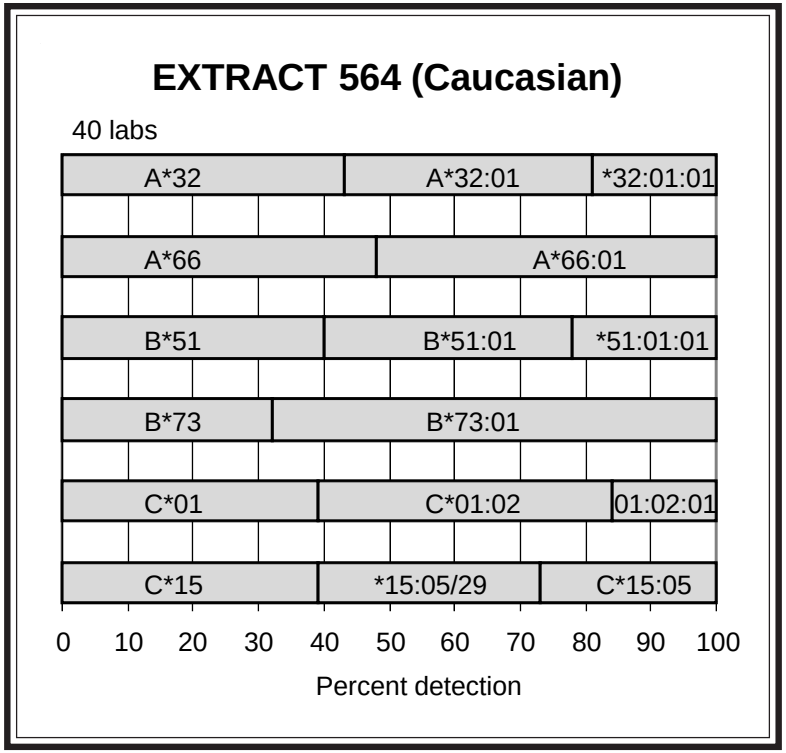
C*15:05 was detected by 27% as one C-locus allele. Thirty-four percent of the labs were unable to distinguish C*15:05 from C*15:29. C*15:29 differs from C*15:05 by a single amino acid substitution in exon 6 (TGC->TAC), resulting in an amino acid change from cysteine to tyrosine.

The other C-locus type was C*01:02 (61%).

A*32:01 (*32:01:01) (57%) and A*66:01 (52%) were the A-locus types.

The possible associations in this cell were B*51:01-C*01:02 and B*73:01-B*15:05, with HF=0.00523 and HF=0.00019, respectively, in Caucasians.

From previous exchange data, the likely class II haplotypes in this cell were DRB1*13:01-DRB3*01:01-DQB1*06:03-DQA1*01:03 and DRB1*13:02-DRB3*03:01-DQB1*06:04-DQA1*01:02.



Cell Exchange

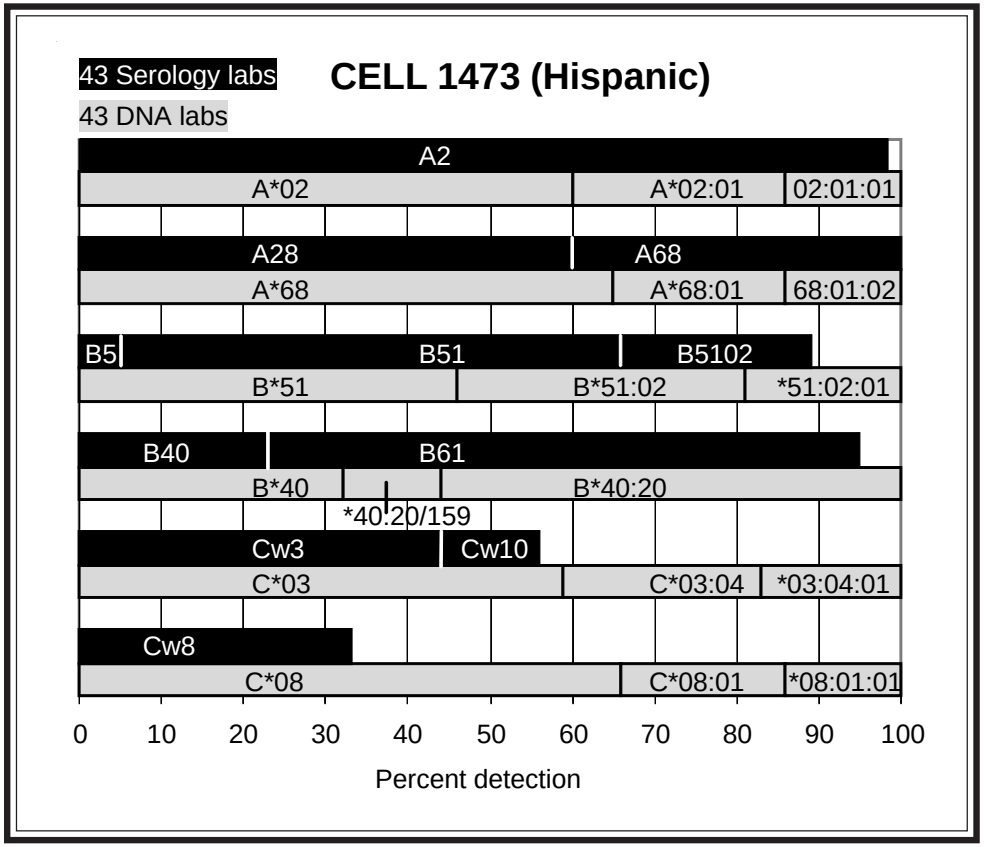
Cell 1473. This cell from an Hispanic individual was previously studied as cells 1386 and 1415 in 2010, as noted by Askar, Claas, Dunn, Harville, Lopez-Cepero, Mah, and Tiercy. The B51 variant, B5102, was detected by 23%. B51 (61%) and B53 (9%) were also reported. Tiercy and Tilanus observed cross reactivity with B35 and B53 sera. This variant was corroborated by DNA typing, as 54% assigned B*51:02, with 19% reporting B*51:02:01.

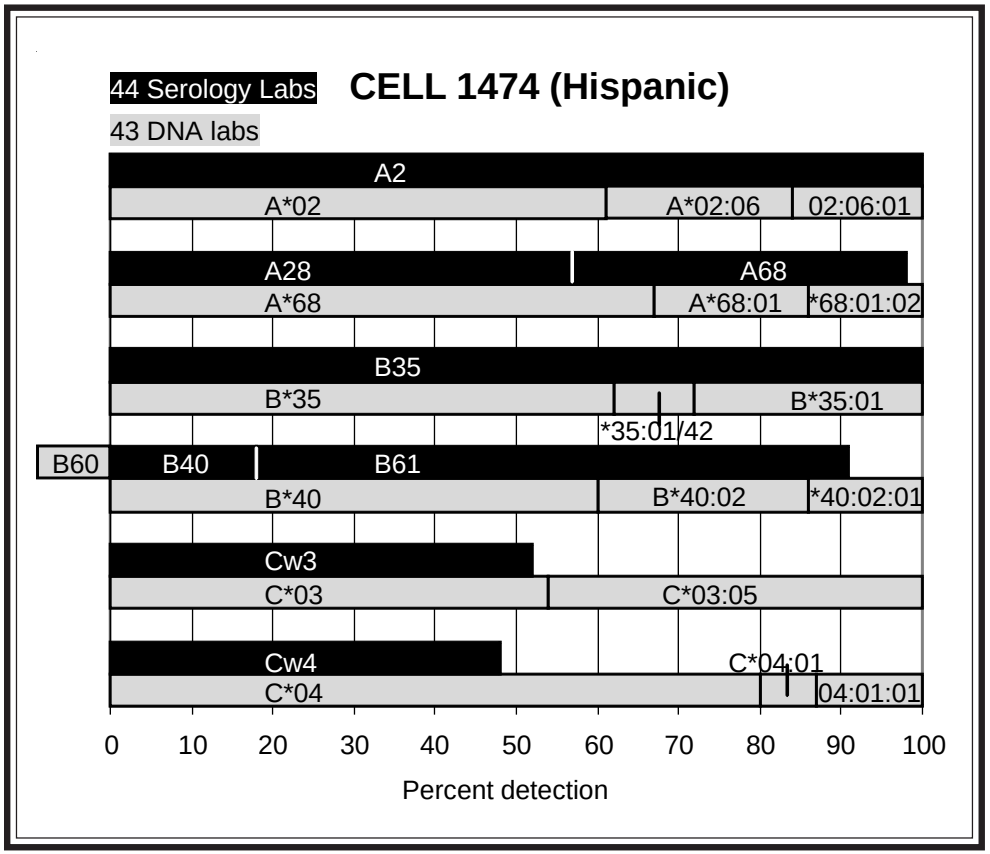
B61 was detected by 72% as the second B-locus antigen, confirmed as B*40:20 (56%). This is a notable decrease from the detection level of 72% in 2010. The decline in the detection of this allele may be the result of a number of labs, 12%, assigning B*40:20/159. This is the only B*40:20 cell studied in the Cell Exchange.

A2 was well detected by 98% and confirmed as A*02:01 (*02:01:01) (40%). The other A-locus antigen was A68 (61%), validated as A*68:01 (*68:01:02) (35%)

Cw3 (44%) and Cw8 (33%) were corroborated as C*03:04 (*03:04:01) (41%) and C*08:01 (*08:01:01) (34%), respectively.

The likely associations in this cell were B*51:02-C*08:01 and B*40:20-C*03:04, with HF=0.00527 and HF=0.00050, respectively. The NMDP Bioinformatics website lists these associations as solely observed in Hispanic populations.





Cell 1474. B61 (73%) was reported as the B40 split for this Hispanic cell and confirmed as B*40:02 (*40:02:01) (40%). McCluskey commented that the B40 in this cell was shorter than that of cell 1473. B60 was misassigned by 9%.

The other B-locus antigen present was B35, detected in complete consensus and validated as B*35:01 (28%).

Cw3 (52%) and Cw4 (48%) were the C-locus types, confirmed as C*03:05 (46%) and C*04:01 (20%), respectively. It is interesting to note the low assignment of C*04:01. C*04 was reported by 78%.

One possible association in this cell was B*35:01-C*0401. This is the most common association in Hispanics, with HF= 0.05155. The other probable association was B*40:02-C*03:05, which is also a strong association in Hispanics, with HF= 0.00978. This association was typed in 3 previous exchange cells, 1061, 1240, and 1474, all from Hispanic donors.

Cell 1475. A Cw4x6 variant was detected in this cell from a Filipino donor, with Cw6 reported by 30% and Cw4 by 19%. C*04:06 was assigned by 44%. This rare allele has only been typed twice in the Cell Exchange, in cells 1319 (same as cells 756, 887, 1005, 1261) and 1452, both from Filipino donors.

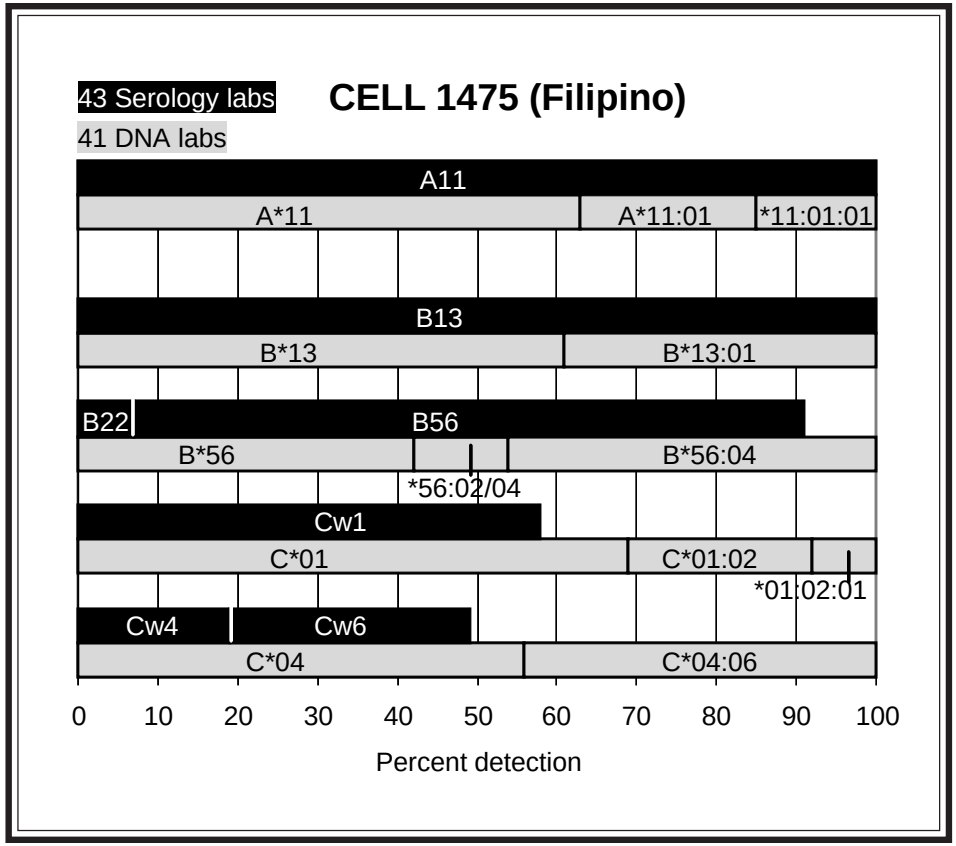
Cw1 (58%) was the second C-locus antigen, corroborated as C*01:02 (31%).

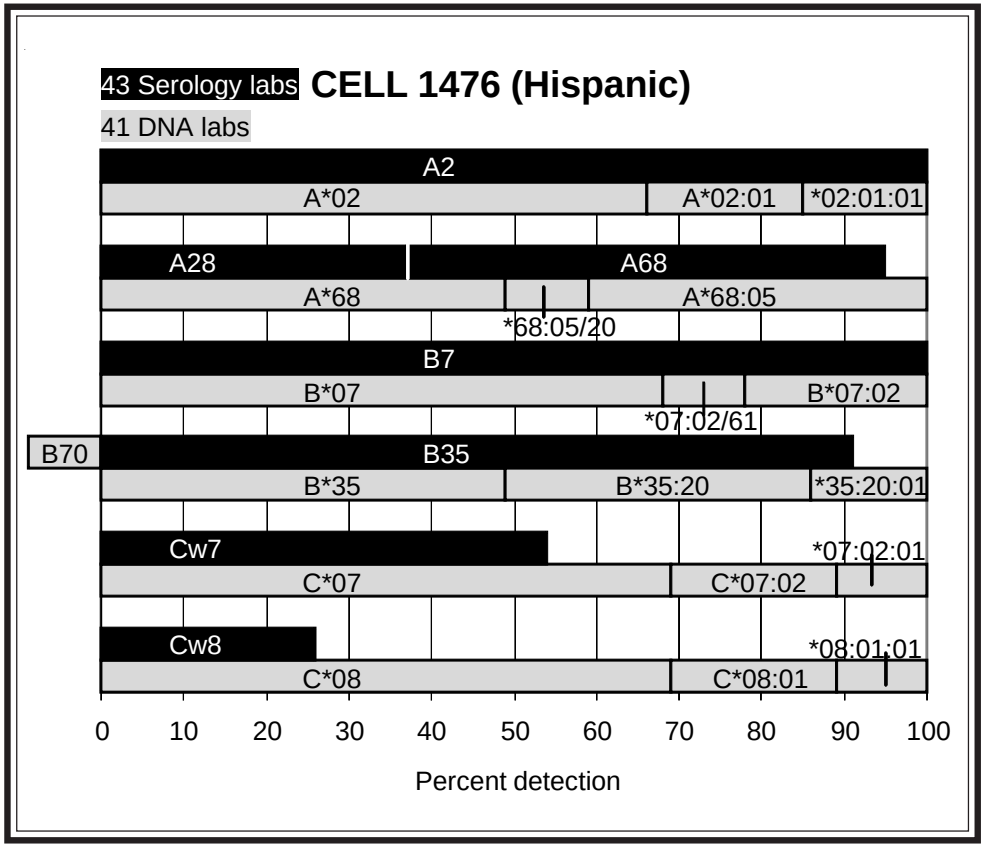
A variant of B22 was also detected. B56 was reported by 84%, with a number of labs (Askar, Dunk, Fort, Pollack, Renac-) commenting on the short B56 reactivity pattern in this cell. The variant was confirmed as B*56:04 by 46%. B*56:04 was previously typed in cell 1394 (also cells 1026, 1075, 1230, 1260, extract 31) (Filipino), and extract 483 (Hispanic/ Filipino)

B13 was detected in complete consensus as the second B-locus antigen and validated as B*13:01 (39%).

A11 (100%) was reported as the sole A-locus type. It was confirmed as A*11:01 (37%), with 15% assigning A*11:01:01.

A*11:01-B*56:04-C*01:02 was one likely haplotype in this cell, with HF= 0.00059 in Asians, also found in the other 2 previous B*56:04 exchange cells. The other probable haplotype was A*11:01-B*13:01-C*04:06, with HF= 0.00075 in Asian populations. This same haplotype was also observed in cell 1319.





Cell 1476. B35 was reported by 91% in this Hispanic cell and confirmed as B*35:20 (51%). The variant encoded by this B*35 subtype was observed by Askar, Dunk, Fort, Pollack, Rees, Renac, and Tilanus to be expressed as a short B35. B70 was misassigned by 9%. A standard B35 antigen was observed in cell 1474. B*35:20 was observed previously in cell 1375, also from an Hispanic individual.

B7 was detected in complete consensus as the second B-locus antigen, with DNA labs assigning B*07:02 (22%). Another 10% assigned B*07:02/61.

The A-locus antigens were A2 (100%) and A68 (58%), validated as A*02:01 (34%) and A*68:05 (41%), respectively.

Cw7 (54%) and Cw8 (26%) were the C-locus types, confirmed by 31% as C*07:02 and C*08:01.

The possible B-C loci associations were not easily determined. B*07:02-C*07:02 is a very common association found in all populations. The NMDP Bioinformatics website lists B*35:20-C*04:01g with HF=0.00125 and B*35:20-C*07:02 with HF=0.00025, both observed solely in Hispanics. B*35:20-C*04:01 was present in the previous B*35:20 exchange cell 1375 and B*35:20-C*04 was found in CS00089, a B*35:20 reference cell.

References

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This is the last sendout in 2012. Warmest Wishes for the Holidays!

Marie, Arlene, Maria, Magdalena, Ching, Megan, Belen, and George

NEXT MAILING DATE: February 6, 2013

Arlene Locke, Marie Lau, J. Michael Cecka, and Elaine F. Reed

	**** Serum 1101 ****				**** Serum 1102 ****				**** Serum 1103 ****						**** Serum 1104 ***						
Investigator	% POS	B44	B45	Other	% POS	A1	B8	Other	% POS	A25	B7	A26	B45	B44	Other	% POS	B61	B60	B13	B7	Other	Method
Claas, F.H.J.	17	+			38	+	+		17	+		+				33	+	+	+	+		STD
Esteves Kondo,	13			B75,B37,B46	20	+		A80	8							16	+	+				STD
Hogan, Patrick		+				+	+		NT								+	+	+			STD
Suciu-Foca, Nic	25	+	+		40	+	+	A9,A29,B18	17		+					35	+	+	+	+	B27	STD
Vidan-Jeras, Bl	12				25	+	+		NT							NT						STD
Watson, Narelle	18	+	+		38		+	B60,B61,B49,B50 >	6				+	+		24	+	+		+	B47,B41	STD

	**** Serum 1101 ****				**** Serum 1102 ****					**** Serum 1103 ****				**** Serum 1104 ****									
Investigator	% POS	B44	B45	Other	% POS	B8	A1	A36	Other	% POS	B38	B7	Other	% POS	B47	B60	B61	B7	B13	B41	B27	Other	Method
Askar, Medhat Z	29	+	+		34	+	+	+		0				26	+	+	+	+	+			B81	EXT
Dunn, Paul		+	+			+			B64,B65,B18		+	+			+	+	+	+	+	+	+	B48,B49	EXT
Lardy, N.M.	31	+	+	B49,B50	31	+	+	+		13				44	+	+	+	+	+	+	+		EXT

*** Serum 1101 ***
6 typing Labs

Antigen	Consensus	Inclusion
B44	67%	62%
B45	33%	50%
B37	17%	50%
B46	17%	50%
B75	17%	50%

*** Serum 1102 ***
6 typing Labs

Antigen	Consensus	Inclusion
A1	83%	83%
B8	83%	71%
A29	17%	100%
A80	17%	100%
A9	17%	100%
B18	17%	100%
B44	17%	30%
B50	17%	17%
B49	17%	14%
B61	17%	12%
B60	17%	11%

*** Serum 1103 ***
4 typing Labs

Antigen	Consensus	Inclusion
no consensus		

*** Serum 1104 ***
5 typing Labs

Antigen	Consensus	Inclusion
B61	100%	76%
B60	100%	68%
B13	60%	80%
B7	60%	75%
B27	20%	100%
B47	20%	33%
B41	20%	25%

Method: NIH-Std

*** Serum 1101 ***
3 typing Labs

Antigen	Consensus	Inclusion
B44	100%	100%
B45	100%	100%
B49	33%	50%
B50	33%	50%

*** Serum 1102 ***
3 typing Labs

Antigen	Consensus	Inclusion
B8	100%	100%
A1	67%	100%
A36	67%	100%
B18	33%	100%
B64	33%	100%
B65	33%	100%

*** Serum 1103 ***
3 typing Labs

Antigen	Consensus	Inclusion
no consensus		

*** Serum 1104 ***
3 typing Labs

Antigen	Consensus	Inclusion
B47	100%	100%
B60	100%	100%
B61	100%	100%
B7	100%	92%
B13	100%	83%
B41	67%	100%
B27	67%	50%
B48	33%	100%
B49	33%	100%
B81	33%	100%

Method: NIH-Ext

**** Serum 1101 ****

Investigator	% POS	B44	B45	B50	Other
Cecka, J. Micha	18	+	+	+	
Gandhi, Manish		+	+	+	
Hahn, Amy B. Ph		+	+	+	B40,B60,B61,A69 >
Mah, Helen	0				
Suciu-Foca, Nic	15	+	+		

**** Serum 1102 ****

Investigator	% POS	A1	A36	B18	B8	A23	B14	A24	Other	Method
Cecka, J. Micha	60	+	+	+	+	+	+	+	A34	AHG
Gandhi, Manish		+	+							AHG
Hahn, Amy B. Ph		+	+	+	+				B64,B65,B59	AHG
Mah, Helen	14	+							A80	AHG
Suciu-Foca, Nic	38	+		+	+	+	+	+	A29	AHG

**** Serum 1103 ****

Investigator	% POS	B7	B42	Other
Cecka, J. Micha	7	+	+	
Gandhi, Manish	NT			
Hahn, Amy B. Ph		+	+	
Mah, Helen	0			
Suciu-Foca, Nic	15	+		

**** Serum 1104 ****

Investigator	% POS	B27	B61	B7	B60	B13	B48	B81	B41	B45	B47	Other	Method
Cecka, J. Micha	55	+	+	+	+	+		+	+	+	+	B49,B50,B44,B18	AHG
Gandhi, Manish		+	+	+	+		+				+	A66	AHG
Hahn, Amy B. Ph		+		+		+	+	+	+	+		B40,B73	AHG
Mah, Helen	17		+		+		+						AHG
Suciu-Foca, Nic	40	+	+	+	+	+		+				B21	AHG

**** Serum 1101 ****

Investigator	% POS	B44	B45	Other
Dunk, Arthur		+	+	B48,B49
Phelan, Donna		+	+	CW4,CW6,B61,B13 >

**** Serum 1102 ****

Investigator	% POS	A1	A36	A80	B8	Other	Method
Dunk, Arthur		+	+	+	+		OTH
Phelan, Donna		+	+	+	+	A24,A23,B65,B76 >	OTH

**** Serum 1103 ****

Investigator	% POS	B14	B18	B44	B61	B65	CW1	CW12	CW14	Other
Dunk, Arthur		+	+			+				
Phelan, Donna				+	+		+	+	+	CW4,CW6,CW2,CW5 >

**** Serum 1104 ****

Investigator	% POS	B13	B41	B47	B48	B60	B61	B7	B81	Other	Method
Dunk, Arthur		+	+	+	+	+	+	+	+		OTH
Phelan, Donna		+	+	+	+	+	+	+	+	CW4,CW6,A66,B44 >	OTH

*** Serum 1101 ***
5 typing Labs

Antigen	Consensus	Inclusion
B44	80%	100%
B45	80%	100%
B50	60%	25%
A69	20%	100%
B40	20%	100%
B41	20%	100%
B60	20%	100%
B61	20%	100%

*** Serum 1102 ***
5 typing Labs

Antigen	Consensus	Inclusion
A1	100%	89%
A36	60%	100%
B18	60%	100%
B8	60%	100%
A23	40%	100%
B14	40%	100%
A24	40%	90%
A29	20%	100%
A34	20%	100%
A80	20%	100%
B59	20%	100%
B64	20%	100%
B65	20%	100%

*** Serum 1103 ***
4 typing Labs

Antigen	Consensus	Inclusion
B7	75%	50%
B42	50%	67%

*** Serum 1104 ***
5 typing Labs

Antigen	Consensus	Inclusion
B27	80%	100%
B61	80%	100%
B7	80%	100%
B60	80%	89%
B13	60%	100%
B48	60%	100%
B81	60%	100%
B41	40%	100%
B45	40%	100%
B47	40%	100%
A66	20%	100%
B21	20%	100%
B40	20%	100%
B44	20%	100%
B49	20%	100%
B50	20%	100%
B73	20%	100%
B18	20%	43%

Method: Antiglobulin

*** Serum 1101 ***
2 typing Labs

Antigen	Consensus	Inclusion
B44	100%	100%
B45	100%	100%
B13	50%	100%
B47	50%	100%
B48	50%	100%
B49	50%	100%
B58	50%	100%
B61	50%	100%
B75	50%	100%
B76	50%	100%
B82	50%	100%
CW1	50%	100%
CW10	50%	100%
CW12	50%	100%
CW14	50%	100%
CW15	50%	100%
CW16	50%	100%
CW17	50%	100%
CW18	50%	100%
CW2	50%	100%
CW4	50%	100%
CW5	50%	100%
CW6	50%	100%
CW7	50%	100%
CW8	50%	100%

*** Serum 1102 ***
2 typing Labs

Antigen	Consensus	Inclusion
A1	100%	100%
A36	100%	100%
A80	100%	100%
B8	100%	100%
A23	50%	100%
A24	50%	100%
B18	50%	100%
B59	50%	100%
B65	50%	100%
B76	50%	100%

*** Serum 1103 ***
2 typing Labs

Antigen	Consensus	Inclusion
B14	50%	100%
B18	50%	100%
B44	50%	100%
B61	50%	100%
B65	50%	100%
CW1	50%	100%
CW12	50%	100%
CW14	50%	100%
CW15	50%	100%
CW16	50%	100%
CW17	50%	100%
CW18	50%	100%
CW2	50%	100%
CW4	50%	100%
CW5	50%	100%
CW6	50%	100%
CW7	50%	100%
CW8	50%	100%

*** Serum 1104 ***
2 typing Labs

Antigen	Consensus	Inclusion
B13	100%	100%
B41	100%	100%
B47	100%	100%
B48	100%	100%
B60	100%	100%
B61	100%	100%
B7	100%	100%
B81	100%	100%
A66	50%	100%
B27	50%	100%
B44	50%	100%
B73	50%	100%
CW1	50%	100%
CW12	50%	100%
CW14	50%	100%
CW15	50%	100%
CW16	50%	100%
CW17	50%	100%
CW18	50%	100%
CW2	50%	100%
CW4	50%	100%
CW5	50%	100%
CW6	50%	100%
CW7	50%	100%

Method: Other

**** Serum 1101 ****

Investigator	% POS	B13	B45	B47	B49	B50	B60	B61	B41	B44	B53	B76	B75	B62	B51	B72	B35	A1	B37	B52	B82	B38	B77	B71	B78	B46	B59	A23	B18	B57	B48	A24	B63	B58	B8	B8201	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+	+				+	B7801	LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				B12C,B5C	LMX
Askar, Medhat Z	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+	+				+	B7801	LMX
Cecka, J. Micha	40	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+			+					+	+										LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						B40,B70,B21,B5 >	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+										LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B39	LMX
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+				LMX
Hamdi, Nuha	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+										LMX
Hardy, Steven F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											B12C	LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+				+				+					+				LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B39	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+		+	+														LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									LMX
Klein, Tirza	50	+	+	+	+	+	+	+	+		+			+												+											A43	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B56,B64,B3901	LMX
McAlack-Hanau,	87	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+														LMX
McCluskey, Jame		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+		+				+			+			+			+				LMX
Meyer, Pieter W	80																											+									CW4,CW6,A2,B40 >	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B39	LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Pancoska, Carol		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+															LMX
Permpikul, Vejk	16	+	+	+	+	+	+	+		+		+																									CW6	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												LMX
Ramon, Daniel F	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Rosen-Bronson,	87	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				LMX
Tabary, Thierry	15	+	+	+	+	+	+	+	+	+	+		+		+		+	+	+	+	+	+			+	+	+	+	+			+						LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+												LMX
Vidan-Jeras, Bl	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+									LMX

**** Serum 1102 ****

Investigator	% POS	A23	A29	A36	B18	B54	B8	A24	A1	A43	A80	B42	A34	A26	A33	B37	B64	B65	B76	A68	B45	A69	B39	B59	B55	A11	B38	B46	A25	B41	B44	B75	B51	B82	B78	A66	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				B67,B35,B7801,A6601 >	LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B35,B8C	LMX
Askar, Medhat Z	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+				B67,B35,CW1,B7801 >	LMX
Cecka, J. Micha	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	B67	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B35,A1101 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		A9,B67,A28,B12 >	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B67,B77,B35,A6601	LMX
Hamdi, Nuha	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30	LMX
Hardy, Steven F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								+	+	+		LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			+	+		+												LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Klein, Tirza	80		+	+	+	+	+		+	+	+										+									+								LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+		B62,B53,B67,A30 >	LMX
McAlack-Hanau,	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+		LMX
McCluskey, Jame		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+			+								+	+	+	A1101,A1102,A6601,B3901	LMX
Meyer, Pieter W	94	+	+					+				+	+	+												+			+								CW4,B15,B58,CW7 >	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B53,B67,A30,B77 >	LMX
Pais, Maria Lui		+	+	+	+	+	+	+		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,B67,A30,B77 >	LMX
Pancoska, Carol	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Permpikul, Vejk	56	+		+	+	+	+	+	+		+						+	+						+	+													LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			A6601	LMX
Ramon, Daniel F	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B77,B35	LMX
Rosen-Bronson,	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B35	LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,B35	LMX
Tabary, Thierry	65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+			A1101,A1102,A6601	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+						LMX
Vidan-Jeras, Bl	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		A6601	LMX

**** Serum 1103 ****

Investigator	% POS	B42	B7	B55	B56	B67	B27	B81	B73	B82	B54	B8	B57	CW1	B59	CW14	B51	A2	B2708	B39	B53	B58	A23	B35	B38	B8101	B8201	CW6	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+		+		+															+	+			LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+													LMX
Askar, Medhat Z	55	+	+	+	+	+	+		+		+	+	+	+	+	+			+							+	+			LMX
Cecka, J. Micha	31	+	+	+	+	+	+	+		+	+																			LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+		+			+							+	+			LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+		+						+										B22	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+																		LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			+	B52,A1	LMX
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	+	+		+	+	+														B60,B61,B48,B13 >	LMX
Hamdi, Nuha	35	+	+	+	+	+	+	+	+	+	+		+																	LMX
Hardy, Steven F		+	+	+	+	+	+	+	+	+	+																			LMX
Harville, Terry		+	+	+	+	+	+	+	+	+									+											LMX
Hogan, Patrick		+	+	+	+		+	+	+	+																				LMX
Holdsworth, Rho		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			+	B78,B52,A1,B18 >	LMX
JunHe,		+	+	+	+	+	+	+		+																				LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+																		LMX
Klein, Tirza	28	+	+	+	+			+							+															LMX
Mah, Helen		+	+	+	+	+	+		+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	A24,A203,B48,B78 >	LMX
McAlack-Hanau,	33	+	+	+	+	+	+	+		+																				LMX
McCluskey, Jame	NT																													LMX
Meyer, Pieter W	96	+												+			+			+	+	+	+						A24,A43,CW7,CW16 >	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+					LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+								+	B37	LMX
Pancoska, Carol	27	+	+	+	+	+	+	+	+	+																				LMX
Permpikul, Vejb	11	+	+		+						+																			LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+																			LMX
Ramon, Daniel F	18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+														LMX
Rosen-Bronson,	33	+	+	+	+	+	+	+	+	+	+		+	+																LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+		+		+													LMX
Tabary, Thierry	29	+	+	+	+	+	+	+	+	+	+	+																		LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+																		LMX
Vidan-Jeras, Bl	18	+	+	+	+	+	+	+	+	+	+	+	+					+												LMX

**** Serum 1104 ****

Investigator	% POS	B44	B45	B13	B41	B48	B49	B50	B60	B61	B7	B73	A32	B27	B42	B47	B81	B37	B51	B8	CW2	B35	B53	B18	CW17	B39	B38	B71	B72	B52	B67	A74	B64	B54	B78	B65	Other	Method
Al-Attas, Rabab		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+		+				B8101,A6602,B3901	LMX
Al-Baz, Nabeela		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A66,B82,B55 >	LMX
Askar, Medhat Z	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+		+	B55,B56,B58,B59 >	LMX
Cecka, J. Micha	62	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+		+	+	+		+					A66	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B82,B55,B56 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B70,B5,B82 >	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,B55,A6602	LMX
Gandhi, Manish		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A24,A66 >	LMX
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,B55,B56,A31 >	LMX
Hamdi, Nuha	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+	+											A66	LMX
Hardy, Steven F		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B82	LMX
Harville, Terry		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				A66,B2708	LMX
Hogan, Patrick		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+			A66,B82,B55,A33 >	LMX
Holdsworth, Rhc		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A66,B82 >	LMX
JunHe,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+						+											A66	LMX
Kapoor, Parkmar		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B82	LMX
Klein, Tirza	62	+	+	+	+	+	+	+	+	+	+	+					+										+										A25,A6602	LMX
Mah, Helen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	CW4,CW6,B55,B56 >	LMX
McAlack-Hanau,	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+		+	+		+					LMX
McCluskey, Jame		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+			+		+	+		A24,A66,B82,B55 >	LMX
Meyer, Pieter W	94	+	+										+		+						+																CW4,CW6,A24,A29 >	LMX
Mpuntsha, Loyis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			A6602	LMX
Pais, Maria Lui		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,B82,B55 >	LMX
Pancoska, Carol	44	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				A66	LMX
Permpikul, Vejk	53	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+																			A34	LMX
Phelan, Donna		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A6602	LMX
Ramon, Daniel F	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B56	LMX
Rosen-Bronson,	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,B55,B59,A6602	LMX
Suciu-Foca, Nic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	CW6,A66,B82,B55 >	LMX
Tabary, Thierry	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,B55,B56,B59 >	LMX
Turner, E.V. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B82	LMX
Vidan-Jeras, Bl	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		A6602	LMX

*** Serum 1101 ***
32 typing Labs

Antigen	Consensus	Inclusion
B13	97%	100%
B45	97%	100%
B47	97%	100%
B49	97%	100%
B50	97%	100%
B60	97%	100%
B61	97%	100%
B41	94%	100%
B44	94%	100%
B53	94%	67%
B76	91%	100%
B75	91%	75%
B62	88%	100%
B51	88%	90%
B72	88%	67%
B35	88%	57%
A1	84%	75%
B37	81%	100%
B52	81%	100%
B82	81%	100%
B38	78%	100%
B77	78%	100%
B71	72%	100%
B78	69%	100%
B46	69%	67%
B59	59%	75%
A23	56%	100%
B18	53%	100%
B57	47%	100%
B48	41%	100%
A24	38%	50%
B63	22%	100%
B58	19%	100%
B8	19%	100%
B8201	12%	100%

*** Serum 1102 ***
32 typing Labs

Antigen	Consensus	Inclusion
A23	97%	100%
A29	97%	100%
A36	97%	100%
B18	97%	100%
B54	97%	100%
B8	97%	100%
A24	97%	89%
A1	94%	100%
A43	94%	100%
A80	94%	100%
B42	94%	100%
A34	94%	78%
A26	91%	100%
A33	91%	100%
B37	91%	100%
B64	91%	100%
B65	91%	100%
B76	91%	100%
A68	91%	83%
B45	91%	80%
A69	88%	100%
B39	88%	100%
B59	88%	100%
B55	84%	100%
A11	84%	76%
B38	81%	83%
B46	81%	80%
A25	78%	100%
B41	78%	100%
B44	78%	88%
B75	75%	100%
B51	72%	75%
B82	69%	100%
B78	56%	100%
A66	56%	50%
B67	50%	75%
B35	41%	100%
A6601	34%	100%
A30	28%	50%
B77	22%	100%
A1101	16%	100%
A1102	16%	100%
B53	16%	100%
B71	16%	100%
CW1	16%	100%
B62	12%	100%
B8201	12%	100%
CW15	12%	100%

*** Serum 1103 ***
31 typing Labs

Antigen	Consensus	Inclusion
B42	100%	100%
B7	97%	100%
B55	94%	100%
B56	94%	100%
B67	90%	100%
B27	90%	88%
B81	84%	100%
B73	81%	100%
B82	81%	100%
B54	77%	67%
B8	48%	100%
B57	48%	75%
CW1	39%	100%
B59	35%	100%
CW14	29%	100%
B51	26%	100%
A2	19%	100%
B2708	16%	100%
B39	16%	100%
B53	16%	100%
B58	16%	100%
A23	13%	100%
B35	13%	100%
B38	13%	100%
B8101	13%	100%
B8201	13%	100%
CW6	13%	100%

*** Serum 1104 ***
32 typing Labs

Antigen	Consensus	Inclusion
B44	100%	100%
B45	100%	100%
B13	97%	100%
B41	97%	100%
B48	97%	100%
B49	97%	100%
B50	97%	100%
B60	97%	100%
B61	97%	100%
B7	97%	100%
B73	97%	100%
A32	94%	100%
B27	94%	100%
B42	94%	100%
B47	94%	100%
B81	91%	100%
B37	91%	80%
B51	88%	80%
B8	88%	67%
CW2	84%	100%
B35	84%	83%
B53	84%	60%
B18	84%	50%
CW17	81%	100%
B39	81%	75%
B38	78%	100%
B71	78%	100%
B72	78%	75%
B52	78%	60%
B67	75%	100%
A74	72%	100%
B64	72%	100%
B54	69%	100%
B78	62%	100%
B65	56%	100%
B82	50%	100%
A66	50%	67%
A6602	47%	100%
B55	44%	100%
B56	34%	100%
B59	34%	100%
B58	25%	100%
B2708	22%	100%
A31	19%	100%
A33	19%	100%
CW6	19%	100%
CW4	16%	100%
CW7	16%	100%
A24	12%	100%
B3901	12%	100%
B8101	12%	100%

Method: Luminex

**** Serum 1101 ****

Investigator	% POS	B13	B44	B45	B49	B62	Other
Alvarez, Carret	25	+	+	+	+	+	B40,B52,B35
Eckels/CPMC,	93						
Esteves Kondo,	71	+	+	+	+	+	B47,B27,B41

**** Serum 1102 ****

% POS	A1	A11	A23	A29	B38	B8	Other	Method
53	+	+	+	+	+	+	A24,B44,B27,B51 >	FC
95								FC
84	+	+	+	+	+	+	A36,B65	FC

**** Serum 1103 ****

Investigator	% POS	B55	B7	Other
Alvarez, Carret	6	+	+	
Eckels/CPMC,	93			
Esteves Kondo,	34	+	+	B27,B82,B56,B42 >

**** Serum 1104 ****

% POS	B13	B27	B44	B45	B49	B7	Other	Method
28	+	+	+	+	+	+	B51,B18,B35	FC
92								FC
71	+	+	+	+	+	+	B60,B50	FC

**** Serum 1101 ****

Investigator	% POS	B13	B44	B45	B47	B49	B52	B53	B60	Other
Esteves Kondo,	52	+	+	+	+	+	+	+	+	
Hahn, Amy B. Ph		+	+	+	+	+	+	+	+	B61,B50,B51,B38 >

**** Serum 1102 ****

% POS	A1	A23	A24	B37	B59	B64	B65	B8	Other	Method
61	+	+	+	+	+	+	+	+		EIA
	+	+	+	+	+	+	+	+	B51,B54,B55,A29 >	EIA

**** Serum 1103 ****

Investigator	% POS	B42	B55	B67	B81	B7	Other
Esteves Kondo,	20	+	+	+	+	+	
Hahn, Amy B. Ph		+	+	+	+	+	B27,B54,B56

**** Serum 1104 ****

% POS	B13	B27	B44	B45	B49	B52	B64	B7	Other	Method
78	+	+	+	+	+	+	+	+		EIA
	+	+	+	+	+	+	+	+	B60,B61,B48,B78 >	EIA

*** Serum 1101 ***
3 typing Labs

Antigen	Consensus	Inclusion
B13	67%	100%
B44	67%	100%
B45	67%	100%
B49	67%	100%
B62	67%	100%
B27	33%	100%
B35	33%	100%
B40	33%	100%
B41	33%	100%
B47	33%	100%
B52	33%	100%

*** Serum 1102 ***
3 typing Labs

Antigen	Consensus	Inclusion
A1	67%	100%
A11	67%	100%
A23	67%	100%
A29	67%	100%
B38	67%	100%
B8	67%	100%
A24	33%	100%
A26	33%	100%
A33	33%	100%
A36	33%	100%
A68	33%	100%
B14	33%	100%
B18	33%	100%
B27	33%	100%
B44	33%	100%
B45	33%	100%
B51	33%	100%
B55	33%	100%
B65	33%	100%

*** Serum 1103 ***
3 typing Labs

Antigen	Consensus	Inclusion
B55	67%	100%
B7	67%	100%
B27	33%	100%
B42	33%	100%
B56	33%	100%
B81	33%	100%
B82	33%	100%

*** Serum 1104 ***
3 typing Labs

Antigen	Consensus	Inclusion
B13	67%	100%
B27	67%	100%
B44	67%	100%
B45	67%	100%
B49	67%	100%
B7	67%	100%
B18	33%	100%
B35	33%	100%
B50	33%	100%
B51	33%	100%
B60	33%	100%

Method: Flow cytometry

*** Serum 1101 ***
2 typing Labs

Antigen	Consensus	Inclusion
B13	100%	100%
B44	100%	100%
B45	100%	100%
B47	100%	100%
B49	100%	100%
B52	100%	100%
B53	100%	100%
B60	100%	100%
B35	50%	100%
B37	50%	100%
B38	50%	100%
B41	50%	100%
B50	50%	100%
B51	50%	100%
B61	50%	100%

*** Serum 1102 ***
2 typing Labs

Antigen	Consensus	Inclusion
A1	100%	100%
A23	100%	100%
A24	100%	100%
B37	100%	100%
B59	100%	100%
B64	100%	100%
B65	100%	100%
B8	100%	100%
A29	50%	100%
A36	50%	100%
A80	50%	100%
B18	50%	100%
B38	50%	100%
B39	50%	100%
B46	50%	100%
B51	50%	100%
B54	50%	100%
B55	50%	100%

*** Serum 1103 ***
2 typing Labs

Antigen	Consensus	Inclusion
B42	100%	100%
B55	100%	100%
B67	100%	100%
B81	100%	100%
B7	100%	50%
B27	50%	100%
B54	50%	100%
B56	50%	100%

*** Serum 1104 ***
2 typing Labs

Antigen	Consensus	Inclusion
B13	100%	100%
B27	100%	100%
B44	100%	100%
B45	100%	100%
B49	100%	100%
B52	100%	100%
B64	100%	100%
B7	100%	100%
B35	50%	100%
B37	50%	100%
B38	50%	100%
B39	50%	100%
B41	50%	100%
B42	50%	100%
B47	50%	100%
B48	50%	100%
B50	50%	100%
B51	50%	100%
B53	50%	100%
B60	50%	100%
B61	50%	100%
B78	50%	100%
B81	50%	100%

Method: Elisa

INVESTIGATOR	DNA EXTRACT #561 (Chinese)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
5488 Adams,Sharon	*02:03:01	*33	*38:02:01	*44:03:02	*07	*07	RSSO,SBT,SSP
4691 Ajlan,Abdula	*02	*33	*38	*44	*07	*07	SSO
2332 Al-Awwami,Mo	*02	*33	*38	*44	*07		RSSO,SSP
5133 Baker,Judy	*02	*33	*38	*44	*07		SSP
4345 Blasczyk,Rai	*02:03P	*33:03P	*38:02P	*44:03:02	*07:02P	*07:01P	PCR-SBT
8038 Cao&Cano	*02:03:01	*33:44	*38:02:01	*44:03:02	*07:02/50	*07:06	SSO,SSP,SBT
9916 Charlton,Ron	*02:03:01	*33:44	*38:02:01	*44:03:02	*07:02:01	*07:06	SBT,SSP
8021 Clark,Brenda	*02:01:22/01:55/02+	*33:01/03-07/10+	*38:01/02/04+	*44:02:11/03/04+	*07:02/03/10+	*07:01:01-01:19+	PCR-SSP
1108 Clark,Traci	*02	*33	*38	*44	*07	*07	RSSO
5219 Daniel,Dolly	*02	*33	*38	*44			PCR-SSO
5323 Dhaliwal,J.S	*02:03	*33:03	*38:02/08/15	*44	*07:02/06/18	*07:02/06/18	PCR-SSP
5891 Du,Keming	*02:03	*33:44	*38:02	*44:03	*07:02/50/06+	*07:01/02/06+	PCR-SBT
3766 Dunn,Paul	*02:03/148/230/253+	*33	*38	*44	*07	*07	PCR-SSO,SSP
3135 Enczmann,J.	*02:03	*33:44	*38:02	*44:03	*07:02	*07:01/06/18	SBT,SSP,SSO
762 Fischer&Mayr	*02:03	*33:44	*38:02	*44:03	*07:02/50	*07:01/06/18	SSO,SSP,SBT
4079 Fort,Marylis	*02:03/253/264/315	*33:03/03Q/15/25+	*38:02/18/35	*44:03/114/115+	*07:02/27/50+	*07:01/06/18+	SSO
1461 Hidajat,Mela	*02:03	*33:44	*38:02	*44:03	*07:02	*07:06	SSO,SSP,SBT
615 Holdsworth,R	*02:03:01G	*33:03:01G	*38:02:01G	*44:03	*07:02:01G	*07:01:01G	SBT
745 Holman,Richa	*02:03:01	*33:44	*38:02:01	*44:03:02	*07:02:01	*07:06	SSO,SSP,SBT
2344 Hurley&Hartz	*02:03:01/253/264	*33:03:01/03:03+	*38:02:01/18	*44:03:01/03:03+	*07:02:01G	*07:01:01G	SBT
794 Jaatinen,Tai	*02:03	*33:44	*38:02	*44:03	*07:02	*07:06	SBT,SSO,SSP
13 Kapoor/Park	*02:03	*33:03	*38:02	*44:03	*07:02	*07:06	SSP
1694 Kissel&Hess	*02	*33	*38	*44	*07	*07	SSP
87 Land,Geoff	*02:03	*33:44	*38:02	*44:03	*07:02	*07:06	SBT,SSO,SSP
278 Lee,Jar-How	*02:03/315	*33:03	*38:02	*44:03	*07:02	*07:06	SSP,RSSO
640 Lee,Kyung Wh	*02:03	*33:44	*38:02	*44:03	*07:01/06/18+	*07:02/50/27	PCR-SBT
5096 Lee,Sun-Ah	*02	*33	*38	*44			SSO
8042 Muncher,Lior	*02:03	*33:03	*38:02	*44:03	*07:02	*07:06	SSO,SSP
9001 Muncher_LR	*02	*33	*38	*44	*07		SSO,SSP
2847 Narisawa,Tad	*02	*33	*38	*44	*07	*07	RSSO
3966 Permpikul&Ve	*02	*33	*38	*44	*07		PCR-SSP
2400 Phelan,Donna	*02:03	*33:44	*38:02	*44:03	*07:02/50	*07:01:01G	RSSO,SBT,SSP
3753 Reed,Elaine	*02:03	*33:44	*38:02	*44:03	*07:02/27/50	*07:01/06/18/19	SBT,SSO
3798 Reinsmoen,N	*02:03:01	*33:44	*38:02:01	*44:03:02	*07:02	*07:06	SSP,SSO,SBT
4251 Schiller,J	*02:03	*33:44	*38:02	*44:03	*07:02:01G	*07:01:01G	PCR-RSSO,SBT
3545 Scornik,Juan	*02:03	*33:44	*38:02	*44:03	*07:02/50	*07:01/06/18	SSO,SBT
8068 Shanmugam,He	*02	*33	*38	*44	*07	*07	PCR-SSP
4021 Trachtenberg	*02	*33	*38	*44	*07		SSO,SSP
5462 Turner,E.V.	*02:03:01	*33:44	*38:02:01	*44:03:02	*07:02/19	*07:06/27	SBT,SSO
797 Yabe,Hiromasa	*02:03	*33:44	*38:02	*44:03	*07:02/27/50	*07:01/06/18+	SBT,SSO

INVESTIGATOR	DNA EXTRACT #562 (Caucasian)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
5488 Adams,Sharon	*02:01/237	*03:01/05	*44:02:01/19N	*44:03:01	*04	*05:09:01	RSSO,SBT,SSP
4691 Ajlan,Abdula	*02	*03	*44	*44	*04	*05	SSO
2332 Al-Awwami,Mo	*02	*03	*44		*04	*05	RSSO,SSP
5133 Baker,Judy	*02	*03	*44		*04	*05	SSP
4345 Blasczyk,Rai	*02:01:01G	*03:01:01G	*44:02:01G	*44:03P	*04:01:01G	*05:09:01	PCR-SBT
8038 Cao&Cano	*02:01:01	*03:01:01:01+	*44:02:01	*44:03:01	*04:09N	*05:09:01	SSO,SSP,SBT
9916 Charlton,Ron	*02:01:01:01	*03:01:01:01	*44:02:01:01	*44:03:01	*04:09N	*05:09:01	SBT,SSP
8021 Clark,Brenda	*02:01:01-01:04+	*03:01:01+	*44:02/03/04/07/11+		*04:01:01+	*05:09/17/20+	PCR-SSP
1108 Clark,Traci	*02	*03	*44	*44	*04	*05	RSSO
5219 Daniel,Dolly	*02	*03	*44	*44			PCR-SSO
5323 Dhaliwal,J.S	*02:01	*03	*44	*44	*04:09N	*05:09/52	PCR-SSP
5891 Du,Keming	*02:01/24/26/34+	*03:01/21N/17+	*44:02/03	*44:03/19N	*04:01/09N/30+	*05:09	PCR-SBT
3766 Dunn,Paul	*02	*03	*44	*44	*04:09N	*05:09	PCR-SSO,SSP
3135 Enczmann,J.	*02:01/01L	*03:01	*44:02/02S/19N	*44:03	*04:09N	*05:09	SBT,SSP,SSO
762 Fischer&Mayr	*02:01/01L	*03:01	*44:02/02S/19N	*44:03	*04:01/09N/30	*05:09	SSO,SSP,SBT
4079 Fort,Marylis	*02:01/01L/01Q+	*03:01/01N/20+	*44:02/02S/27/66	*44:03/37/111+	*04	*05	SSO
1461 Hidajat,Mela	*02:01	*03:01	*44:02	*44:03	*04:09N	*05:09	SSO,SSP,SBT
615 Holdsworth,R	*02:01:01G	*03:01:01G	*44:02:01G	*44:03:01G	*04:01:01G	*05:09	SBT
745 Holman,Richa	*02:01	*03:01	*44:02:01:01	*44:03:01	*04:09N	*05:09:01	SSO,SSP,SBT
2344 Hurley&Hartz	*02:01:01G	*03:01:01G	*44:02:01G	*44:03:01/03:03+	*04:09N	*05:09	SBT
794 Jaatinen,Tai	*02:01	*03:01	*44:02	*44:03	*04:09N	*05:09	SBT,SSO,SSP
13 Kapoor/Park	*02:01	*03:01	*44:02	*44:03	*04:09N	*05:09	SSP
1694 Kissel&Hess	*02	*03	*44		*04	*05	SSP
87 Land,Geoff	*02:01	*03:01	*44:02	*44:03	*04:09N	*05:09	SBT,SSO,SSP
278 Lee,Jar-How	*02:01	*03:01	*44:02	*44:03	*04:09N	*05:09	SSP,RSSO
640 Lee,Kyung Wh	*02:01/24/26/34+	*03:01/05/07+	*44:02/19N	*44:03	*04:01/09N/30+	*05:09	PCR-SBT
5096 Lee,Sun-Ah	*02	*03	*44	*44			SSO
8042 Muncher,Lior	*02:01	*03:01	*44:02	*44:03	*04:09N	*05:09	SSO,SSP
9001 Muncher_LR	*02	*03	*44		*04	*05	SSO,SSP
2847 Narisawa,Tad	*02	*03	*44	*44	*04	*05	RSSO
3966 Permpikul&Ve	*02	*03	*44		*04	*05	PCR-SSP
2400 Phelan,Donna	*02:01	*03:01	*44:02/19N	*44:03	*04:09N	*05:09	RSSO,SBT,SSP
3753 Reed,Elaine	*02:01/24/26/34+	*03:01/05/07+	*44:02/19N	*44:03	*04:01/09N/30+	*05:09	SBT,SSO
3798 Reinsmoen,N	*02:01:01/01L	*03:01:01/01N	*44:02:01/02:01S/19N	*44:03:01	*04:09N	*05:09:01	SSP,SSO,SBT
4251 Schiller,J	*02:01	*03:01/01N	*44:02:01G	*44:03	*04:09N	*05:09	PCR-RSSO,SBT
3545 Scornik,Juan	*02:01	*03:01/01N	*44:02/19N	*44:03	*04:09N	*05:09	SSO,SBT
8068 Shanmugam,He	*02	*03	*44	*35	*04	*05	PCR-SSP
4021 Trachtenberg	*02	*03	*44	*44	*04	*05:09	SSO,SSP
5462 Turner,E.V.	*02:01	*03:01	*44:02:01/19N	*44:03:01	*04:01:01	*05:09:01	SBT,SSO
797 Yabe,Hiromasa	*02:01/01L	*03:01/01N	*4402/02S	*44:03	*04:01/09N/30+	*05:09	SSO,SBT

INVESTIGATOR	DNA EXTRACT #563 (Native American)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
5488 Adams,Sharon	*02:01	*24:02	*35	*51	*01	*04	RSSO,SBT,SSP
4691 Ajlan,Abdula	*02	*24	*35	*51	*01	*04	SSO
2332 Al-Awwami,Mo	*02	*24	*35	*51	*01	*04	RSSO,SSP
5133 Baker,Judy	*02	*24	*35	*51	*01	*04	SSP
4345 Blasczyk,Rai	*02:01:01G	*24:02:01G	*35:01:01G	*51:01:01G	*01:02P	*04:04:01	PCR-SBT
8038 Cao&Cano	*02:01:01	*24:02	*35:01	*51:01	*01:02	*04:04:01	SSO,SSP,SBT
9916 Charlton,Ron	*02:01:01	*24:02	*35:01:01	*51:01:01	*01:02:01	*04:04:01	SBT,SSP
8021 Clark,Brenda	*02:01:01-01:04+	*24:02:01-02:11+	*35:01:01-01:03+	*51:01:01+	*01:02/03/06+	*04:01:01+	PCR-SSP
1108 Clark,Traci	*02	*24	*35	*51	*01	*04	RSSO
5219 Daniel,Dolly	*02	*24	*35	*51			PCR-SSO
5323 Dhaliwal,J.S	*02:01	*24:02	*35:01	*51	*01	*04:04	PCR-SSP
5891 Du,Keming	*02:01/04/12/36+	*24:02/11N/86N+	*35:01/42/145N	*51:01	*01:02/22	*04:04/01/09N+	PCR-SBT
3766 Dunn,Paul	*02	*24	*35	*51	*01:02	*04:04	PCR-SSO,SSP
3135 Enczmann,J.	*02:01/01L	*24:02	*35:01	*51:01	*01:02	*04:04	SBT,SSP,SSO
762 Fischer&Mayr	*02:01/01L	*24:02	*35:01	*51:01	*01:02	*04:04	SSO,SSP,SBT
4079 Fort,Marylis	*02:01/01L/01Q+	*24:02/02Q/09N+	*35:01/40N/42+	*51:01/11N/24+	*01:02/22/25+	*04:01/04/09N+	SSO
1461 Hidajat,Mela	*02:01	*24:02	*35:01	*51:01	*01:02	*04:04	SSO,SSP,SBT
615 Holdsworth,R	*02:01:01G	*24:02:01G	*35:01:01G	*51:01:01G	*01:02:01G	*04:04	SBT
745 Holman,Richa	*02:01	*24:02	*35:01	*51:01	*01:02	*04:04:01	SSO,SSP,SBT
2344 Hurley&Hartz	*02:01:01G	*24:02:01G	*35:01:01G	*51:01:01G	*01:02:01G	*04:04:01	SBT
794 Jaatinen,Tai	*02:01	*24:02	*35:01/42	*51:01	*01:02	*04:04	SBT,SSO,SSP
13 Kapoor/Park	*02:01	*24:02/142	*35:01	*51:01	*01:02	*04:04	SSP
1694 Kissel&Hess	*02	*24	*35	*51	*01	*04	SSP
87 Land,Geoff	*02:01	*24:02	*35:01	*51:01	*01:02	*04:04	SBT,SSO,SSP
278 Lee,Jar-How	*02:01	*24:02	*35:01/57	*51:01/94/96+	*01:02/25/40+	*04:04	SSP,RSSO
640 Lee,Kyung Wh	*02:01/04/12/36+	*24:02/03/13/14+	*35:01/04/11/24+	*51:01/02/04+	*01:02/22	*04:01/04/09N+	PCR-SBT
5096 Lee,Sun-Ah	*02	*24	*35	*51			SSO
8042 Muncher,Lior	*02:01	*24:02	*35:01	*51:01	*01:02	*04:04	SSO,SSP
9001 Muncher_LR	*02	*24	*35	*51	*01	*04	SSO,SSP
2847 Narisawa,Tad	*02	*24	*35	*51	*01	*04	RSSO
3966 Permpikul&Ve	*02	*24	*35	*51	*01	*04	PCR-SSP
2400 Phelan,Donna	*02:01	*24:02	*35:01/42	*51:01	*01:02	*04:04	RSSO,SBT,SSP
3753 Reed,Elaine	*02:01/04/12/36+	*24:02/03/13/14+	*35:01/04/11/24+	*51:01/02/04+	*01:02/22	*04:01/04/09N+	SBT,SSO
3798 Reinsmoen,N	*02:01:01/01L	*24:02:01/01L	*35:01	*51:01	*01:02	*04:04:01	SSP,SSO,SBT
4251 Schiller,J	*02:01	*24:02	*35:01P	*51:01	*01:02	*04:04	PCR-RSSO,SBT
3545 Scornik,Juan	*02:01	*24:02	*35:01/42	*51:01	*01:02	*04:04	SSO,SBT
8068 Shanmugam,He	*02	*24	*51	*51	*01	*04	PCR-SSP
4021 Trachtenberg	*02	*24	*35	*51	*01	*04	SSO,SSP
5462 Turner,E.V.	*02:01:01	*24:02	*35:01/42	*51:01:01	*01:02	*04:04:01	SBT,SSO
797 Yabe,Hiromasa	*02:01/01L	*24:02	*35:01/42	*51:01	*01:02/22	*04:01/04/09N+	SSO,SBT

	INVESTIGATOR	DNA EXTRACT #564 (Caucasian)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*32:01:01	*66:01	*51:01:01	*73:01	*01:02	*15:05/29	RSSO,SBT,SSP
4691	Ajlan,Abdula	*32	*66	*51	*73	*01	*15	SSO
2332	Al-Awwami,Mo	*32	*66	*51	*73	*01	*15	RSSO,SSP
5133	Baker,Judy	*32	*66:01/14/15	*51	*73	*01	*15	SSP
4345	Blasczyk,Rai	*32:01P	*66:01P	*51:01:01G	*73:01	*01:02P	*15:05P	PCR-SBT
8038	Cao&Cano	*32:01:01	*66:01	*51:01:01	*73:01	*01:02	*15:05/29	SSO,SSP,SBT
9916	Charlton,Ron	*32:01:01	*66:01	*51:01:01	*73:01	*01:02:01	*15:05:01	SBT,SSP
8021	Clark,Brenda	*32:01-04/06+	*66:01/04/07+	*51:01:01-01:03+	*73:01/02	*01:02/03/06+	*15:02-06/08-13+	PCR-SSP
1108	Clark,Traci	*32	*66	*51	*73	*01	*15	RSSO
5219	Daniel,Dolly	*32	*66	*51	*73			PCR-SSO
5323	Dhaliwal,J.S	*32	*66:01/07	*51	*73	*01	*15:05/22	PCR-SSP
5891	Du,Keming	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	PCR-SBT
3766	Dunn,Paul	*32	*66	*51	*73:01	*01	*15:05/06/09/18+	PCR-SSO,SSP
3135	Enczmann,J.	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	SBT,SSP,SSO
762	Fischer&Mayr	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	SSO,SSP,SBT
4079	Fort,Marylis	*32:01/32/34/35	*66:01/08	*51:01/11N/24/30+	*73:01	*01:02/25/38+	*15:05/06/09/29+	SSO
1461	Hidajat,Mela	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05	SSO,SSP,SBT
615	Holdsworth,R	*32:01:01G	*66:01:01G	*51:01:01G	*73:01	*01:02:01G	*15:05:01G	SBT
745	Holman,Richa	*32:01:01	*66:01	*51:01:01	*73:01	*01:02:01	*15:05	SSO,SSP,SBT
2344	Hurley&Hartz	*32:01:01/01:02	*66:01/08	*51:01:01G	*73:01	*01:02:01G	*15:05:01-05:03/29	SBT
794	Jaatinen,Tai	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	SBT,SSO,SSP
13	Kapoor/Park	*32:01	*66:01/07/08	*51:01	*73:01	*01:02/32	*15:05/54	SSP
1694	Kissel&Hess	*32	*66	*51	*73	*01	*15	SSP
87	Land,Geoff	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05	SBT,SSP,SSO
278	Lee,Jar-How	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05	SSP,RSSO
640	Lee,Kyung Wh	*32:01/17	*66:01/05	*51:01	*73:01	*01:02	*15:05/29	PCR-SBT
5096	Lee,Sun-Ah	*32	*66	*51	*73			SSO
8042	Muncher,Lior	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05	SSO,SSP
9001	Muncher_LR	*32	*66	*51	*73	*01	*15	SSO,SSP
2847	Narisawa,Tad	*32	*66	*51	*73	*01	*15	RSSO
3966	Permpikul&Ve	*32	*66	*51	*73	*01	*15	PCR-SSP
2400	Phelan,Donna	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	RSSO,SBT,SSP
3753	Reed,Elaine	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	SBT,SSO
3798	Reinsmoen,N	*32:01:01	*66:01	*51:01:01	*73:01	*01:02	*15:05/29	SSP,SSO,SBT
4251	Schiller,J	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05:01G	PCR-RSSO,SBT
3545	Scornik,Juan	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	SSO,SBT
8068	Shanmugam,He	*32	*66	*51	*73	*01	*15	PCR-SSP
4021	Trachtenberg	*32	*66	*51	*73:01	*01	*15	SSO,SSP
5462	Turner,E.V.	*32:01:01	*66:01	*51:01:01	*73:01	*01:02:01	*15:05	SBT,SSO
797	Yabe,Hiromasa	*32:01	*66:01	*51:01	*73:01	*01:02	*15:05/29	SSO,SBT

SUMMARY

Extract 561 (Chinese)

40 labs

A*02	43%
A*02:03	38%
A*02:03:01	15%
A*02:03P	2%
A*02:03:01G	2%
A*02	100% TOTAL
A*33	43%
A*33:03	10%
A*33:44	43%
A*33:03P	2%
A*33:03:01G	2%
A*33	100% TOTAL

40 labs

B*38	43%
B*38:02	38%
B*38:02:01	15%
B*38:02P	2%
B*38:02:01G	2%
B*38	100% TOTAL
B*44	40%
B*44:03	43%
B*44:03:02	17%
B*44	100% TOTAL

38 labs

C*07	53%
C*07:02/50	10%
C*07:02	21%
C*07:02:01	5%
C*07:02P	3%
C*07:02:01G	8%
C*07	100% TOTAL
C*07	61%
C*07:06	26%
C*07:01P	3%
C*07:01:01G	10%
C*07	100% TOTAL

Extract 562 (Caucasian)

40 labs

A*02	48%
A*02:01	38%
A*02:01:01	5%
A*02:01:01:01	2%
A*02:01:01G	7%
A*02	100% TOTAL
A*03	53%
A*03:01	38%
A*03:01:01:01	2%
A*03:01:01G	7%
A*03	100% TOTAL

40 labs

B*44	43%
B*44:02/19N	23%
B*44:02	17%
B*44:02:01	2%
B*44:02:01:01	5%
B*44:02:01G	10%
B*44	100% TOTAL
B*44	40%
B*44:03	38%
B*44:03:01	15%
B*44:03P	2%
B*44:03:01G	3%
B*44	98% TOTAL

38 labs

C*04	50%
C*04:09N	50%
C*04	100% TOTAL
C*05	32%
C*05:09	50%
C*05:09:01	18%
C*05	100% TOTAL

Extract 563 (Nat American)

40 labs

A*02	45%
A*02:01	38%
A*02:01:01	10%
A*02:01:01G	7%
A*02	100% TOTAL
A*24	50%
A*24:02	43%
A*24:02:01G	7%
A*24	100% TOTAL

40 labs

B*35	48%
B*35:01/42	13%
B*35:01	25%
B*35:01:01	2%
B*35:01P	2%
B*35:01:01G	8%
B*35	98% TOTAL
B*51	50%
B*51:01	38%
B*51:01:01	5%
B*51:01:01G	7%
B*51	100% TOTAL

38 labs

C*01	39%
C*01:02/22	10%
C*01:02	40%
C*01:02:01	3%
C*01:02P	3%
C*01:02:01G	5%
C*01	100% TOTAL
C*04	45%
C*04:04	37%
C*04:04:01	18%
C*04	100% TOTAL

Extract 564 (Caucasian)

40 labs

A*32	43%
A*32:01	38%
A*32:01:01	15%
A*32:01P	2%
A*32:01:01G	2%
A*32	100% TOTAL
A*66	48%
A*66:01	48%
A*66:01P	2%
A*66:01:01G	2%
A*66	100% TOTAL

40 labs

B*51	40%
B*51:01	38%
B*51:01:01	15%
B*51:01:01G	7%
B*51	100% TOTAL
B*73	32%
B*73:01	68%
B*73	100% TOTAL

38 labs

C*01	39%
C*01:02	45%
C*01:02:01	8%
C*01:02P	3%
C*01:02:01G	5%
C*01	100% TOTAL
C*15	39%
C*15:05/29	34%
C*15:05	16%
C*15:05:01	3%
C*15:05P	3%
C*15:05:01G	5%
C*15	100% TOTAL

INVESTIGATOR	CELL NO.1473 (Hispanic)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8070 Ahn,Jaeie	*02	*68	*51	*40	*03:04	*08	PCR-SSP
8075 Al-Baz,Nabe	*02	*68	*51	*40	*03	*08	SSO
16 Askar,Medhat	*02:01:01	*68:01:02/11N	*51:02:01//59	*40:20//159	*03:04:01//35/92	*08:01:01//44//41	PCR-RSSO,SBT
774 Cecka,J.Mich	*02	*68	*51:02/17/34+	*40:20	*03	*08	SSP
4492 Charron,D.	*02:01/211/256/266+	*68:01/08/33/77	*51:02	*40:20	*03:04/100/105+	*08:01	PCR-SSO,SSP
798 Claas,F.H.J.	*02:01:01	*68:01:02	*51:02:01	*40:20	*03:04:01	*08:01:01	SBT
3632 Colombe,Beth	*02:01	*68:01	*51:02	*40:20	*03:04	*08:01	SSO,SSP
5130 Costeas,Paul	*02:01	*68:01	*51:02	*40:20	*03:04	*08:01	SSP,SSO
779 Daniel,Claud	*02	*68	*51:02/59/70	*40:20/159	*03(Cw10)	*08	PCR-SSP,SSO
8052 Del Pozo,Ana	*02	*68	*51:02/59/70	*40:20/159	*03	*08	SSO
3766 Dunn,Paul	*02	*68	*51:02/59/70	*40:20/159	*03	*08	SSO,SSP
5214 Eckels/CPMC	*02	*68	*51	*40(B61)	*03(Cw10)	*08	SSO
762 Fischer&Mayr	*02:01/01L	*68:01	*51:02	*40:20	*03:04	*08:01/22	SBT ex1-4
792 Gandhi,Manish	*02:01	*68:01	*51:02	*40:20	*03:04	*08:01	SSO,SSP
9002 Gideoni_LR	*02	*68	*51	*40	*03	*08	SSO,SSP
810 Hamdi,Nuha	*02:01	*68:01	*51:02	*40:20			SSO
4269 Hanau,Daniel	*02:01/01L	*68:01:02	*51:02:01	*40:20	*03:04:01	*08:01/22	SSP,SSO,SBT
3808 Hogan,Patric	*02	*68	*51:02	*40:20	*03:04+	*08	SSP,SBT
745 Holman,Richa	*02:01:01:01	*68:01:02	*51:02:01	*40:20	*03:04:01	*08:01:01	SSO,SSP,SBT
771 Israel,Shosh	*02:01	*68:01	*51:02	*40:20	*03:04	*08:01	SSP,SBT
9003 Israel_LR	*02	*68	*51	*40	*03	*08	PCR-SSO
859 Kamoun,Malek	*02:01	*68:01	*51:02	*40:20	*03:04	*08:01	
4337 Kim,Tai-Gyu	*02:01/09/43N/66+	*68:01/11N/33	*51:02	*40:20	*03:04/100/101+	*08:01/20/22/24	SBT
9000 Klein_LR	*02	*68	*51	*40	*03	*08	PCR-SSP,SSO
725 Lardy,N.M.	*02	*68	*51	*40	*03	*08	
278 Lee,Jar-How	*02:01	*68:01	*51:02	*40:20	*03:04	*08:01	SSP,RSSO
6649 Lim,Young Ae	*02	*68	*51	*40(B61)	*03	*08	SSP
274 Lo,Raymundo	*02	*68	*51:40	*40:159	*03	*08	
731 Loewenthal,R	*02:01	*68:01:02/11N	*51:02:01	*40:20	*03:04	*08:01	SBT,SSO
759 Lopez-Cepero	*02:01/07/09/15N+	*68:01/07/08/11N+	*51:02/59/70	*40:20/159	*03:04/05/06/09+	*08:01/08/20/21+	RSSO
23 Mah,Helen	*02	*68	*51:02	*40:20	*03	*08	PCR-SSO
8029 Mani,Rama	*02	*68	*51	*40			PCR-SSP
206 McAlack-Hana	*02	*68	*51	*40(B61)	*03(Cw10)	*08	RSSO
8001 Rao,Prakash	*02	*68	*51	*40:20	*03:04/05/06/09	*08	RSSO
3625 Rees,Tracey	*02	*68:01/11N	*51:02	*40:20	*03:04//35//92	*08:01//44//41	PCR-SSP,SBT
5200 Reinke,Denni	*02	*68	*51:02	*40	*03(Cw10)	*08	SSP
1160 Rosen-Bronso	*02	*68	*51	*40:20/159	*03	*08	RSSO
793 Rubocki,Ron	*02	*68	*51	*40(B61)	*03(Cw10)	*08	
4251 Schiller,J	*02:01	*68:01:02G	*51:02	*40:20	*03:04	*08:01:01G	PCR-RSSO,SBT
747 Tiercy,Jean-	*02:01:01:01/01:01:0	*68:01:02	*51:02:01	*40:20	*03:04:01G	*08:01:01	SSO,SSP,SBT
5451 Tilanus,Marc	*02:01:01	*68:01:02	*51:02:01	*40:20	*03:04:01	*08:01:01	SBT
5462 Turner,E.V.	*02:01:01	*68:01	*51:02:01	*40:20	*03:04:01	*08:01:01	SBT,SSO
3186 Watson,Narel	*02	*68	*51:02:01	*40:20	*03:04:01	*08:01/22	

	INVESTIGATOR	CELL NO.1474 (Hispanic)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*02	*68	*35	*40	*03	*04	PCR-SSP
8075	Al-Baz,Nabe	*02	*68	*35	*40	*03	*04	SSO
16	Askar,Medhat	*02:06:01	*68:01:02/11N	*35:01/42	*40:02:01	*03:05//27	*04:01:01//10	PCR-RSSO,SBT
774	Cecka,J.Mich	*02:06/125-127+	*68	*35	*40	*03	*04	SSP
4492	Charron,D.	*02:06/330/333	*68:01/33			*03:05	*04:01/75/79/82+	PCR-SSO,SSP
798	Claas,F.H.J.	*02:06:01	*68:01:02	*35:01:01	*40:02:01	*03:05	*04:01:01	SBT
3632	Colombe,Beth	*02:06	*68:01	*35:01	*40:02	*03:05	*04:01	SSO,SSP
5130	Costeas,Paul	*02:06/28	*68:01	*35:01	*40:02	*03:05	*04:01/15	SSP,SSO
779	Daniel,Claud	*02	*68	*35	*40(B61)	*03(Cw10)	*04	PCR-SSP,SSO
8052	Del Pozo,Ana	*02	*68	*35	*40	*03	*04	SSO
3766	Dunn,Paul	*02	*68	*35	*40	*03:05/25/27/35	*04	SSO,SSP
5214	Eckels/CPMC	*02	*68	*35	*40(B61)	*03	*04	SSO
762	Fischer&Mayr	*02:06	*68:01	*35:01	*40:02	*03:05	*04:01/09N/30	SBT ex1-4
792	Gandhi,Manish	*02:06	*68:01	*35:01	*40:02	*03:05	*04:01	SSO,SSP
9002	Gideoni_LR	*02	*68	*35	*40	*03	*04	SSO,SSP
810	Hamdi,Nuha	*02:06	*68:01	*35:01	*40:02			SSO
4269	Hanau,Daniel	*02:06	*68:01	*35:01/04/05+	*40:02/03/11+	*03:05/27	*04:01/10	SSP,SSO,SBT
3808	Hogan,Patric	*02	*68	*35	*40:02+	*03:04+	*04	SSP,SBT
745	Holman,Richa	*02:06:01	*68:01:02	*35:01	*40:02	*03:05	*04:01:01	SSO,SSP,SBT
771	Israel,Shosh	*02:06	*68:01	*35:01	*40:02	*03:04	*04:04	SSP,SBT
9003	Israel_LR	*02	*68	*35	*40	*03	*04	PCR-SSO
859	Kamoun,Malek	*02:06	*68:01	*35:01	*40:02	*03:05	*04:01/82	
4337	Kim,Tai-Gyu	*02:06/126	*68:01/11N/33	*35:01/40N/42+	*40:02/56/97+	*03:05	*04:01/09N/28/30+	SBT
9000	Klein_LR	*02	*68	*35	*40	*03	*04	PCR-SSP,SSO
725	Lardy,N.M.	*02	*68	*35	*40	*03	*04	
278	Lee,Jar-How	*02:06/126/330+	*68:01/05/33	*35:01/57	*40:02/56/97+	*03:05	*04:01/75/79/81+	SSP,RSSO
6649	Lim,Young Ae	*02	*68	*35	*40(B61)	*03	*04	SSP
274	Lo,Raymundo	*02:06	*68	*35:111	*40	*03	*04	
731	Loewenthal,R	*02:06:01	*68:01:02/11N	*35:01	*40:02	*03:05	*04:01:01/10	SBT,SSO
759	Lopez-Cepero	*02:06/10/21/28+	*68:01/07/11N/12+	*35:01/05/07+	*40:02/04/08+	*03:05/25/27/35	*04:01/05/07/09N+	RSSO
23	Mah,Helen	*02	*68:01/33	*35	*40	*03:05	*04	PCR-SSO
8029	Mani,Rama	*02	*68	*35	*40			PCR-SSP
206	McAlack-Hana	*02	*68	*35	*40(B61)	*03	*04	RSSO
8001	Rao,Prakash	*02	*68	*35	*40:02/08	*03:05	*04	RSSO
3625	Rees,Tracey	*02:06	*68	*35:01/42	*40:02	*03:05	*04:01	PCR-SSP,SBT
5200	Reinke,Denni	*02	*68	*35	*40(B61)	*03(Cw10)	*04	SSP
1160	Rosen-Bronso	*02	*68	*35	*40	*03	*04	RSSO
793	Rubocki,Ron	*02	*68	*35	*40(B61)	*03(Cw10)	*04	
4251	Schiller,J	*02:06	*68:01:02G	*35:01P	*40:02	*03:05	*04:01P	PCR-RSSO,SBT
747	Tiercy,Jean-	*02:06:01	*68:01:02	*35:01/168	*40:02:01	*03:05	*04:01/82	SSO,SSP,SBT
5451	Tilanus,Marc	*02:06:01	*68:01:02	*35:01:01	*40:02:01	*03:05	*04:01:01	SBT
5462	Turner,E.V.	*02:06:01	*68:01:02	*35:01/42	*40:02:01	*03:05	*04:01:01	SBT,SSO
3186	Watson,Narel	*02	*68	*35:01/42	*40:02:01	*03:05	*04:01/09N/30/82	

	INVESTIGATOR	CELL NO.1475 (Filipino)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*11		*13	*56	*01	*04	PCR-SSP
8075	Al-Baz,Nabe	*11	*11	*13	*56	*01	*04	SSO
16	Askar,Medhat	*11:01:01		*13:01	*56:04	*01:02//22	*04:06//03	PCR-RSSO,SBT
774	Cecka,J.Mich	*11		*13	*56:02/04	*01	*04:06	SSP
4492	Charron,D.	*11:01/69N/86+		*13:01/43/50+	*56:04	*01:02/22/40/44	*04:03/06	PCR-SSO,SSP
798	Claas,F.H.J.	*11:01:01		*13:01:01	*56:04	*01:02:01	*04:06	SBT
3632	Colombe,Beth	*11:01		*13:01	*56:04	*01:02	*04:06	SSO,SSP
5130	Costeas,Paul	*11:01		*13:01	*56:04	*01:02/25	*04:06	SSP,SSO
779	Daniel,Claud	*11		*13	*56:02/04	*01	*04	PCR-SSP,SSO
8052	Del Pozo,Ana	*11	*11	*13	*56:02/04	*01	*04:03/06/107	SSO
3766	Dunn,Paul	*11		*13	*56:02/04	*01	*04:06	SSO,SSP
5214	Eckels/CPMC	*11	*11	*13	*56	*01	*04	SSO
762	Fischer&Mayr	*11:01		*13:01	*56:04	*01:02	*04:06	SBT ex1-4
792	Gandhi,Manish	*11:01		*13:01	*56:04	*01:02	*04:06	SSO,SSP
9002	Gideoni_LR	*11		*13	*56	*01	*04	SSO,SSP
810	Hamdi,Nuha	*11:01	*11:01	*13:01	*56:02			SSO
4269	Hanau,Daniel	NT						SSP,SSO,SBT
3808	Hogan,Patric	*11		*13:01	*56:04	*01	*04	SSP,SBT
745	Holman,Richa	*11:01:01		*13:01	*56:04	*01:02:01	*04:06	SSO,SSP,SBT
771	Israel,Shosh	*11:01		*13:01	*56:04	*01:02	*04:06	SSP,SBT
9003	Israel_LR	*11		*13	*56	*01	*04	PCR-SSO
859	Kamoun,Malek	*11:01		*13:01	*56:04	*01:02	*04:06	
4337	Kim,Tai-Gyu	*11:01/21N/69N/86/100+		*13:01/52	*56:04	*01:02/25/44	*04:06	SBT
9000	Klein_LR	*11		*13	*56	*01	*04	PCR-SSP,SSO
725	Lardy,N.M.	*11		*13	*56	*01	*04	
278	Lee,Jar-How	*11:01/21N/69N/86/88+		*13:01/43/50/52	*56:04	*01:02/25/40/44	*04:06	SSP,RSSO
6649	Lim,Young Ae	*11		*13	*56	*01	*04	SSP
274	Lo,Raymundo	*11	*11	*13	*56	*01	*04	
731	Loewenthal,R	*11:01:01		*13:01	*56:04	*01:02	*04:06	SBT,SSO
759	Lopez-Cepero	*11:01-03/05/07+		*13:01/10/11+	*56:02/04	*01:02/03/07/11+	*04:06/03/107	RSSO
23	Mah,Helen	*11	*11	*13	*56:04	*01	*04:03/06	PCR-SSO
8029	Mani,Rama	*11		*13	*56			PCR-SSP
206	McAlack-Hana	*11		*13	*56	*01	*04	RSSO
8001	Rao,Prakash	*11		*13	*56	*01	*04	RSSO
3625	Rees,Tracey	*11:01		*13:01	*56:04	*01:02	*04:06	PCR-SSP,SBT
5200	Reinke,Denni	*11		*13	*56	*01	*04	SSP
1160	Rosen-Bronso	*11		*13	*56	*01	*04	RSSO
793	Rubocki,Ron	*11		*13	*56	*01	*04	
4251	Schiller,J	*11:01	*11:01	*13:01	*56:04	*01:02	*04:06	PCR-RSSO,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*11:01:01		*13:01:01	*56:04	*01:02:01	*04:06	SBT
5462	Turner,E.V.	*11:01:01		*13:01	*56:04	*01:02	*04:06	SBT,SSO
3186	Watson,Narel	*11		*13	*56	*01	*04	

CTR	INVESTIGATOR NAME	CELL NO.1476 (Hispanic) A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*02	*68	*07	*35	*07	*08	PCR-SSP
8075	Al-Baz,Nabe	*02	*68	*07	*35	*07	*08	SSO
16	Askar,Medhat	*02:01:01	*68:05	*07:02:01/61/161N	*35:20:01	*07:02+//13//39//+	*08:01//59//21//+	PCR-RSSO,SBT
774	Cecka,J.Mich	*02	*68:05/15/20+	*07	*35	*07	*08	SSP
4492	Charron,D.	*02	*68	*07	*35	*07	*08	PCR-SSO,SSP
798	Claas,F.H.J.	*02:01:01	*68:05	*07:02/61	*35:20:01	*07:02:01	*08:01:01	SBT
3632	Colombe,Beth	*02:01	*68:05	*07:02	*35:20	*07:02	*08:01	SSO,SSP
5130	Costeas,Paul	*02:01/85/89/95	*68:05	*07:02	*35:20	*07:02	*08:01	SSP,SSO
779	Daniel,Claud	*02	*68:05/20	*07	*35	*07	*08	PCR-SSP,SSO
8052	Del Pozo,Ana	*02	*68:05/20	*07	*35:20/72	*07	*08	SSO
3766	Dunn,Paul	*02	*68:05/20	*07	*35:20	*07	*08	SSO,SSP
5214	Eckels/CPMC	*02	*68	*07	*35	*07	*08	SSO
762	Fischer&Mayr	*02:01:01L	*68:05	*07:02/61	*35:20	*07:02/50	*08:01/22	SBT ex1-4
792	Gandhi,Manish	*02:01	*68:05	*07:02	*35:20	*07:02	*08:01	SSO,SSP
9002	Gideoni_LR	*02	*68	*07	*35	*07	*08	SSO,SSP
810	Hamdi,Nuha	*02:01	*68:05	*07:02	*35:20			SSO
4269	Hanau,Daniel	NT						SSP,SSO,SBT
3808	Hogan,Patric	*02	*68	*07:02/61	*35:20	*07:02+	*08	SSP,SBT
745	Holman,Richa	*02:01:01	*68:05	*07:02:01	*35:20:01	*07:02	*08:01	SSO,SSP,SBT
771	Israel,Shosh	*02:01	*68:05	*07:02	*35:20	*07:02	*08:01	SSP,SBT
9003	Israel_LR	*02	*68	*07	*35	*07	*08	PCR-SSO
859	Kamoun,Malek	*02:01	*68:05	*07:02/161N	*35:20	*07:02	*08:01	
4337	Kim,Tai-Gyu	*02:01/09/43N+	*68:05	*07:02/44/49N/58+	*35:20	*07:02/50/66/74+	*08:01/20/22/24	SBT
9000	Klein_LR	*02	*68	*07	*35	*07	*08	PCR-SSP,SSO
725	Lardy,N.M.	*02	*68	*07	*35	*07	*08	
278	Lee,Jar-How	*02:01/83N/97+	*68:05	*07:02/41/61	*35:20	*07:02/159/160/167	*08:01/36N/42/44+	SSP,RSSO
6649	Lim,Young Ae	*02	*68	*07	*35	*07	*08	SSP
274	Lo,Raymundo	*02	*68	*07	*35:20	*07	*08	
731	Loewenthal,R	*02:01	*68:05	*07:02	*35:20:01	*07:02	*08:01	SBT,SSO
759	Lopez-Cepero	*02:01/07/09/15N+	*68:05/20	*07:02/10/12/18+	*35:20/72	*07:02/32N/38/39+	*08:01/08/16/20+	RSSO
23	Mah,Helen	*02	*68:05	*07	*35:20	*07	*08	PCR-SSO
8029	Mani,Rama	*02	*68	*07	*35			PCR-SSP
206	McAlack-Hana	*02	*68	*07	*35	*07	*08	RSSO
8001	Rao,Prakash	*02	*68	*07	*35	*07	*08	RSSO
3625	Rees,Tracey	*02:01	*68	*07:02/61	*35:20	*07:02	*08:01	PCR-SSP,SBT
5200	Reinke,Denni	*02	*68	*07	*35	*07	*08	SSP
1160	Rosen-Bronso	*02	*68	*07	*35:20/72	*07	*08	RSSO
793	Rubocki,Ron	*02	*68	*07	*35	*07	*08	
4251	Schiller,J	*02:01	*68:05	*07:02P	*35:20	*07:02:01G	*08:01:01G	PCR-RSSO,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*02:01:01	*68:05	*07:02:01	*35:20:01	*07:02:01	*08:01:01	SBT
5462	Turner,E.V.	*02:01:01	*68:05	*07:02/61/161N	*35:20:01	*07:02:01	*08:01:01	SBT,SSO
3186	Watson,Narel	*02	*68	*07	*35	*07	*08	

SUMMARY

Cell 1473 (Hispanic)

43 labs

A*02	60%
A*02:01	26%
A*02:01:01	12%
A*02:01:01:01	2%
A*02	100% TOTAL
A*68	65%
A*68:01	21%
A*68:01:02	12%
A*68:01:02G	2%
A*68	100% TOTAL

43 labs

B*51	35%
B*51:02/59/70	9%
B*51:02	35%
B*51:02:01	19%
B*51:40	2%
B*51	100% TOTAL
B*40	30%
B*40:20/159	12%
B*40:20	56%
B*40:159	2%
B*40	100% TOTAL

41 labs

C*03	59%
C*03:04	24%
C*03:04:01	15%
C*03:04:01G	2%
C*03	100% TOTAL
C*08	66%
C*08:01	20%
C*08:01:01	12%
C*08:01:01G	2%
C*08	100% TOTAL

Cell 1474 (Hispanic)

43 labs

A*02	61%
A*02:06	23%
A*02:06:01	16%
A*02	100% TOTAL
A*68	67%
A*68:01	19%
A*68:01:02	12%
A*68:01:02G	2%
A*68	100% TOTAL

42 labs

B*35	60%
B*35:01/42	10%
B*35:01	21%
B*35:01:01	5%
B*35:01P	2%
B*35:111	2%
B*35	100% TOTAL
B*40	60%
B*40:02	26%
B*40:02:01	14%
B*40	100% TOTAL

41 labs

C*03	51%
C*03:04	3%
C*03:05	46%
C*03	100% TOTAL
C*04	78%
C*04:01	7%
C*04:01:01	10%
C*04:01P	3%
C*04:04	2%
C*04	100% TOTAL

Cell 1475 (Filipino)

41 labs

A*11	63%
A*11:01	22%
A*11:01:01	15%
A*11	100% TOTAL

41 labs

B*13	61%
B*13:01	34%
B*13:01:01	5%
B*13	100% TOTAL
B*56	39%
B*56:02/04	12%
B*56:02	3%
B*56:04	46%
B*56	100% TOTAL

39 labs

C*01	69%
C*01:02	23%
C*01:02:01	8%
C*01	100% TOTAL
C*04	56%
C*04:06	44%
C*04	100% TOTAL

Cell 1476 (Hispanic)

41 labs

A*02	66%
A*02:01	19%
A*02:01:01	15%
A*02	100% TOTAL
A*68	49%
A*68:05/20	10%
A*68:05	41%
A*68	100% TOTAL

41 labs

B*07	68%
B*07:02/61	10%
B*07:02	15%
B*07:02:01	5%
B*07:02P	2%
B*07	100% TOTAL
B*35	49%
B*35:20	37%
B*35:20:01	14%
B*35	100% TOTAL

39 labs

C*07	69%
C*07:02	20%
C*07:02:01	8%
C*07:02:01G	3%
C*07	100% TOTAL
C*08	69%
C*08:01	20%
C*08:01:01	8%
C*08:01:01G	3%
C*08	100% TOTAL

		Cell No 1473 (Hispanic)										Cell No 1474 (Hispanic)									Cell No 1475 (Filipino)									Cell No 1476 (Hispanic)								
Investigator	Days Old	Viab %	A2	A68	B51	B61	CW3	CW8	BW4	BW6	OTHERS	Viab %	A2	A68	B35	B61	CW3	CW4	BW6	OTHERS	Viab %	A11	B13	B56	CW1	CW6	BW4	BW6	OTHERS	Viab %	A2	A68	B7	B35	CW7	CW8	BW6	OTHERS
Alonso, Anton	???	90	+	+	+	+	W10	+				90	+	+	+	+				CW6	90	+	+	+	+					90	+	+	+	+	+	+		
Alvarez, Carr	???	80	+	+					+	+	B60>	90	+	+	+				+	B60	80	+	+	+				+		90	+	+	+	+			+	
Askar, Medhat	2	95	+	+	02	+	+	+	+	+		95	+		+	+	+	+	+		95	+	+		+	+	+	+	B22V	95	+	+	+	+	+	+	+	
Cecka, J. Mic	???	95	+	+	02	+			+	+		95	+	+	+	+			+		95	+	+	+			+	+		95	+	+	+	+			+	
Charron, Domi	???	90	+	+	+	B40						90	+	+	+	B40					90	+	+	+					B82>	90	+	+	+					B70
Claas, F.H.J.	6	90	+	A28	+	+	+		+	+		90	+	A28	+	+	+	+	+		90	+	+	+	+		+	+		90	+	A28	+	+			+	
Dunk, Arthur	2	98	+	A28	02	+	+	+	+	+		98	+	A28	+	+	+	+	+		98	+	+	+	+	+	+	+		98	+	A28	+	+	+		+	
Dunn, Paul	7	95	+	+	+	+			+	+		95	+	+	+	+			+		85	+	+				+	+	B62	90	+	+	+	+			+	
Enczmann, J	???	90	+	+	02	+						85	+	+	+	+					75	+	+	+						80	+	+	+	+				
Esteves Kondo	28	98	+	+	+	+	W10	+	+	+	B61V	98	+	+	+	+	+	+	+		98	+	+	+	+	W4	+	+		98	+	+	+	+	+	+	+	B35V
Fort, Marylis	3	100	+	+	02	+			+	+		97	+	+	+	+			+		100	+	+	+			+	+		100	+	+	+	+			+	
Gideoni, Osna	???	100	+	+	+	+	+					100	+	+	+	+	+	+			100	+	+	+	+					100	+	+	+	+	+			
Hahn, Amy B.	???	99	+	+	02	B40	W10	+	+	+		99	+	+	+	B40	+	+	+		99	110	+	+	+	+	+	+		99	+	+	+	+	+		+	
Harville, Ter	???	98	+	+	02	+	W10	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	W4	+	+		98	+	+	+	+	+	+	+	
Hesse, Kissel	???	96	+	+	+	+	+	+				96	+	+	+		+	+		B60	96	+	+	+	+					96	+	+	+	+	+	+		
Hogan, Patric	9	60	+	+	+	+	+	+	+	+		60	+	+	+	+	+	+	+		60	+	+	+	+	W4	+	+		60	+	+	+	+	+	+	+	
Holdsworth, R	17	0										50	+	+	+	B40					50	+	+	B22	+	+				50	+	+	+	+				
Holman, Richa	3	90	+	+	02	+			+	+		90	+	+	+	+			+		90	+	+	+			+	+		90	+	+	+	+			+	
Hubbell, Char	2	95	+	+		+			+	+	B53	95	+	+	+	+			+		95	+	+	+			+	+		95	+	A28	+				+	B70
Israel, Shosh	8	70	+	A28	+	+	+		+	+		70	+	A28	+	+	+	+	+		75	+	+	+	+	W4	+	+		75	+	A28	+	+	+		+	
Kapoor, Parkm	2	100	+	+	+	B40	+	+	+	+		100	+	+	+	+	+	+	+		100	+	+	+	+	W4	+	+		100	+	+	+	+	+	+	+	
Keown, Paul M	???	90	+	A28	+	B40			+	+		90	+	A28	+	B40			+		90	+	+	+			+	+		90	+	A28	+	+			+	
Klein, Tirza	???	80	+	+	+		+		+	+	B60	80	+	+	+		+	+	+	B60	60	+	+	+	+	+	+	+		80	+	+	+	+	+		+	
Kvam, Vonnett	3	97	+	A28		+	+		+	+	B53	97	+	A28	+	+	+	+	+	BW4	90	+	+	+	+	+	+	+		97	+	A28	+	+	+		+	
Loewenthal MD	8	90	+	A28	+	+	+		+	+		85	+	A28	+	+	+	+	+		90	+	+	+	+		+	+		90	+	A28	+	+	+		+	
Mah, Helen	2	98	+	+	02	+			+	+		98	+	+	+	+			+		98	+	+	+			+	+		98	+	+	+	+			+	
McCluskey, Ja	11	65	+	A28	B5	B40	+		+	+		65	+	A28	+	B40	+	+	+		70	+	+		+	+	+	+		55	+	A28	+	+	+		+	
Meyer, Pieter	???	90		+	+	+	+	+			A23	90	+	A28	+		+			B60	85	+	+	+	+	+			A3	80	+	+	+	+	+	+		
Mpuntsha, Loy	???		+	A28		B40					B52		+	A28	+	+						+	+	B22							+	A28	+	+				
Norin, Allen	???	99	+	+	+	+			+	+	B53	99	+	+	+	+			+		99	+	+	+			+	+		99	+	+	+	+			+	
Pancoska, Car	2	98	+	+	+	+	W10	+				98	+	+	+	+	+	+		B35V	98	+	+		+	+			B8201	98	+		+		+			B70>
Permpikul, Ve	6	80	+	+	+	+			+	+		90	+	+	+	B40			+		80	11.	+	+			+	+		80	+	+	+				+	B70
Pollack, Mari	2	95	+	+	02	+	+		+	+		95	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+		95	+	+	+	+	+		+	
Rees, Tracey	6	90	+	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+		80	+	+	+	+	W4	+	+		90	+	+	+	+	+	+	+	
Renac, Virgin	???	99	+	A28	+	B40			+	+		99	+	A28	+	B40			+		99	+	+	+			+	+		99	+	A28	+	+			+	
Rosen-Bronson	???																																					
Rubocki, Rona	???	98	+	A28	+	+	+	+				98	+	A28	+	+	+	+			98	+	+	+	+	W4				98	+	A28	+	+	+	+		
Shai, Isaac	8	92	+	A28	+	B40	+	+	+	+		90	+	A28	+	B40	+		+		92	+	+	+	+	+	+	+	CW4>	91	+	A28	+	+	+	+	+	
Stamm, Luz	???																																					
Stavropoulos,	2	99	+	+	+	+	+		+	+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	+		99	+	+	+	+	+		+	
Tiercy, Jean-	6	90	+	A28	B5	B40			+	+		90	+	A28	+	+			+																		
Tilanus, Marc	6	90	+	A28	+	+			+	+		90	+	A28	+	+			+		90	+	+	+			+	+		90	+	A28	+	+			+	
Varnavidou-Ni	???																																					
Vidan-Jeras,	6	100	+	A28	+	+			+	+		96	+	A28	+	+			+		100	+	+	+			+	+		100	+	A28	+	+			+	
Walter Reed N	???	97	+	A28	+	+	+					97	+	A28	+	+	+	+			97	+	+	+	+	+				97	+		+	+	+			
Watson, Narel	9	50	+	A28		B40				+	B35	50	+	A28	+	+			+		45	+	+	B22			+	+		50	+	A28	+	+			+	
Wisecarver, J	???	98	+	A28	+	+			+	+		98	+	A28	+	+			+		98	+	+	+			+	+		98	+	A28	+	+			+	

SUMMARY TABLE

(Hispanic) Cell 1473 (43 Samples Typed)		(Hispanic) Cell 1474 (44 Samples Typed)		(Filipino) Cell 1475 (43 Samples Typed)		(Hispanic) Cell 1476 (43 Samples Typed)	
A2	97.7%	A2	100.0%	A11	95.3%	A2	100.0%
	[97.7%]		[100.0%]	A11.1	2.3%		[100.0%]
				A1101	2.3%		
A68	60.5%	A68	56.8%		[100.0%]	A68	58.1%
A28	39.5%	A28	40.9%			A28	37.2%
	[100.0%]		[97.7%]	B13	100.0%		[95.3%]
B51	60.5%	B35	100.0%	B56	83.7%	B7	100.0%
B5	4.7%			B22	7.0%		[100.0%]
B5102	23.3%	B61	72.7%		[90.7%]		
	[88.4%]	B40	18.2%			B35	90.7%
			[90.9%]	CW1	58.1%		
B61	72.1%					CW7	53.5%
B40	23.3%	CW3	52.3%	CW6	30.2%		
	[95.3%]		[52.3%]	CW4	18.6%	CW8	25.6%
CW3	44.2%	CW4	47.7%			BW6	74.4%
CW10	11.6%		[47.7%]	BW4	72.1%		
	[55.8%]						
		BW6	75.0%	BW6	74.4%		
CW8	32.6%						
BW4	74.4%						
BW6	76.7%						
Others Found		Others Found		Others Found		Others Found	
B53	9.3%	B60	9.1%	A3	4.7%	B70	9.3%
B60	4.7%	BW4	2.3%	B82	2.3%	A69	2.3%
B61V	2.3%	CW6	2.3%	B67	2.3%	B35V	2.3%
B35	2.3%	B35V	2.3%	B62	2.3%		
B52	2.3%			B22V	2.3%		
A23	2.3%			B8201	2.3%		
				B42	2.3%		