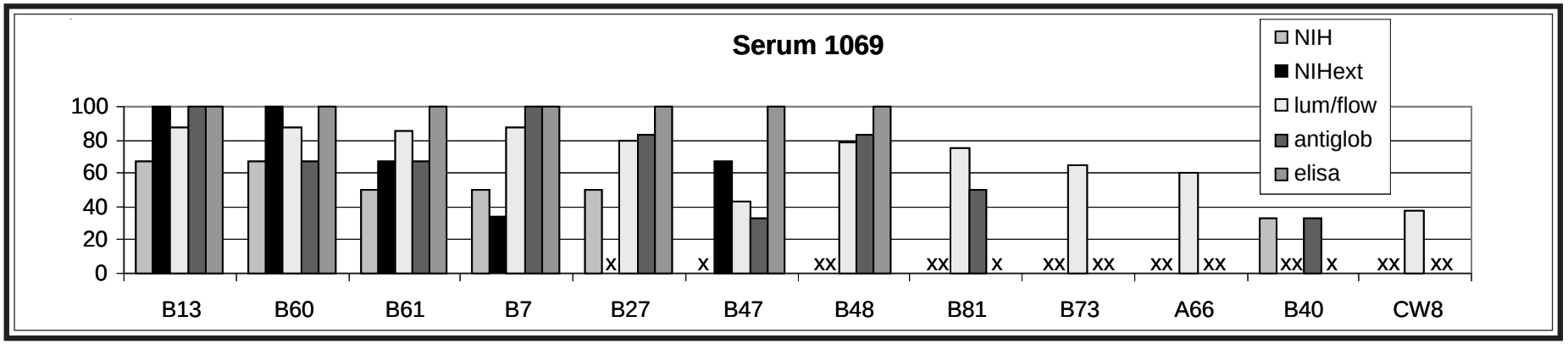
REPORT OF THE 361st CELL EXCHANGE

NOVEMBER 2, 2011

Serum	**1069-1072**
DNA Extract	**529-532**
Cells	**1441-1444**

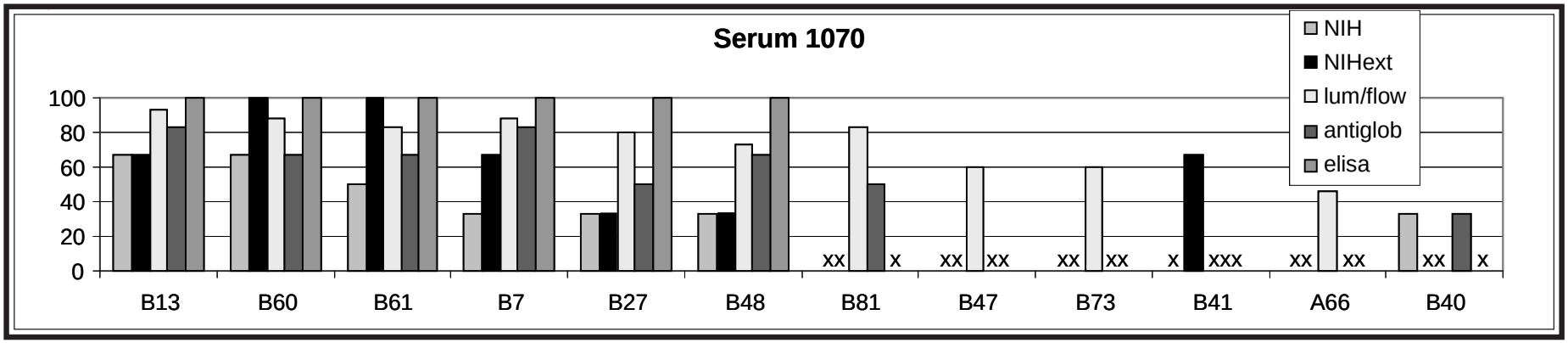
Serum Exchange

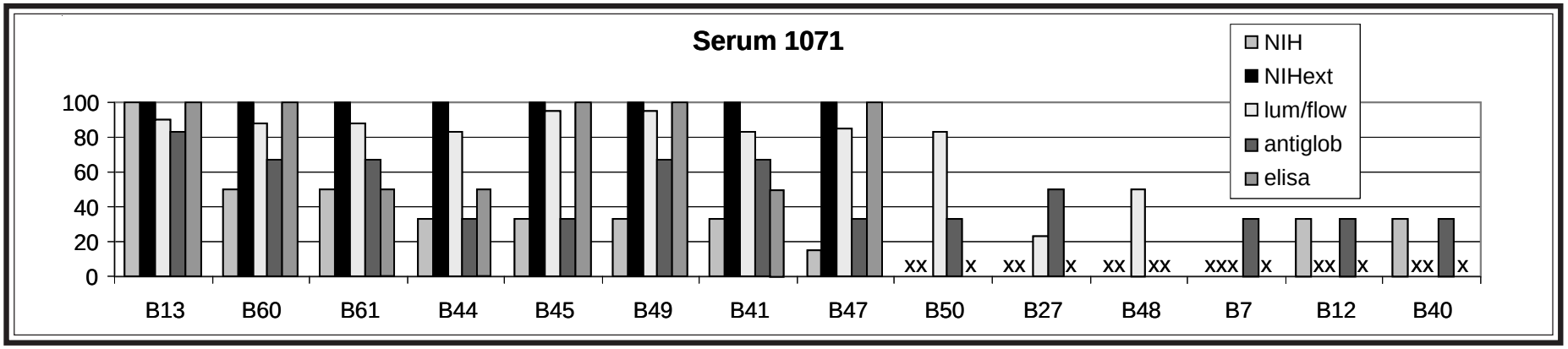
Antibodies (**sera 1069-1072**) positive to 7C and 12C specificities were tested in this month's study. Sera 1069, 1070, and 1072 were reactive to the antigens in the 7C group whereas serum 1071 was reactive to both 7C and 12C specificities. All four serum samples were determined to be positive to B13 and B40 (B60, B61) by all methods.



Serum 1069 was reactive to B7, B13, B60, and B61 by all methods. Anti-B27 and -B47 reactivity was also reported. Labs using Luminex, flow, antiglobulin, and ELISA reported strong anti-B48 reactivity. Luminex, flow, and antiglobulin labs also detected reactions to B81. Luminex and flow labs found this sample to be positive to A66 and B73.

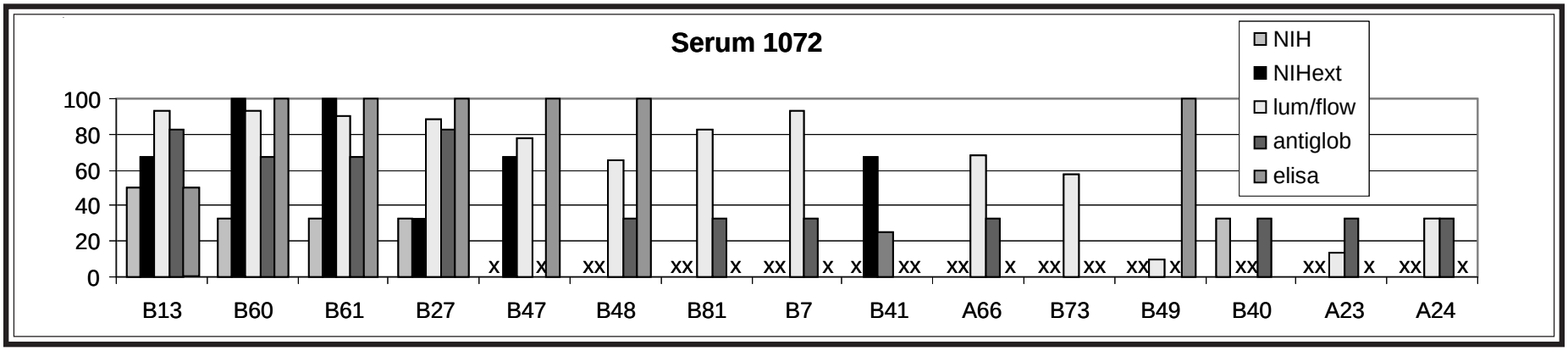
All methods reported **serum 1070** as being positive to B7, B13, B27, B48, B60, and B61. Labs using Luminex, flow, and antiglobulin also found anti-B81 reactivity. Luminex and flow labs reported A66, B47, and B73, whereas labs using extended NIH reported B41.





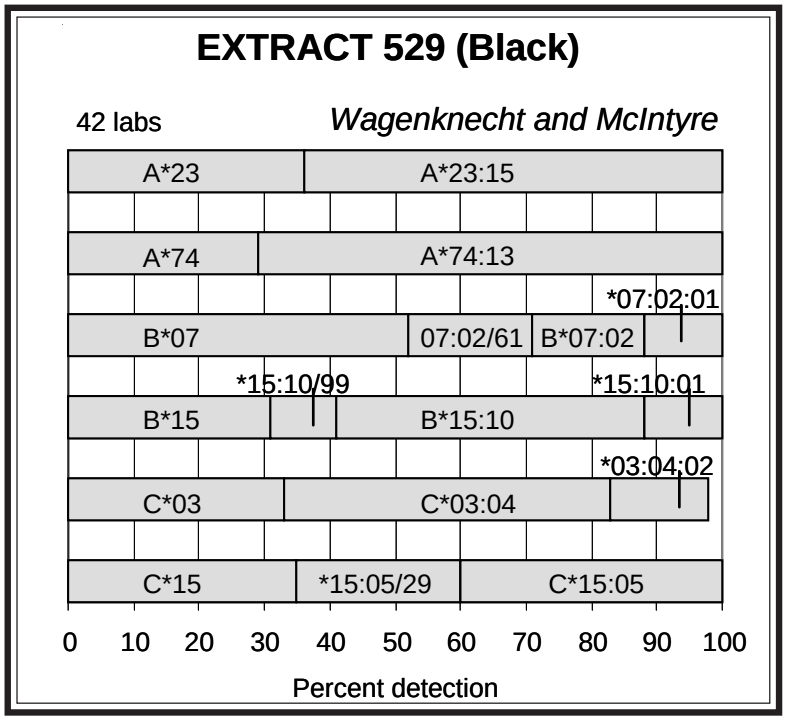
Serum 1071 was determined to be reactive to both 7C and 12C specificities, that is, B13, B41, B44, B45, B47, B49, B60, and B61 by all methods. Luminex, flow, and antiglobulin labs also reported B27 and B50. This reactivity pattern was similar to that of serum 1064, tested earlier this year.

The reactivity pattern of **serum 1072** was similar to those of sera 1069 and 1070, with the exception that strong anti-B7 reactivity was reported only by Luminex and flow labs; weak anti-B7 reactions was noted by labs using antiglobulin.



Extract Exchange

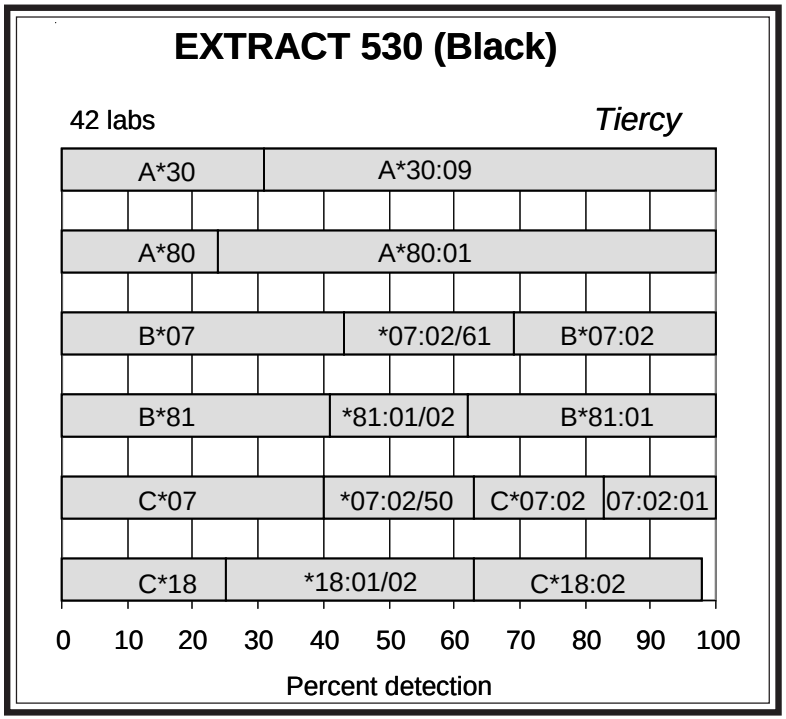
We would like to extend our gratitude to **Dawn Wagenknecht, John McIntyre, and the HLA Vascular Biology Laboratory Staff, St. Francis Hospital, Beech Grove, Indiana**, and to **Jean-Marie Tiercy, University Hospital of Geneva,** for providing cells with rare alleles in this study.



Extract 529. This cell from a Black individual is BY00459 which serves as the reference cell for the rare alleles, A*23:15 and A*74:13. It was previously studied as extract 473 in 2010.

In the 2010 study, 49% of the labs reported A*23:15. In this present retyping, A*23:15 was detected by 62%. According to Lazaro et al. (1), the sequence for this rare allele is most similar to A*23:01, with one difference at codon 141 (CAG->GAG). Furthermore, the investigators stated, “Glutamic acid (GAG) at codon 141 is unique to allele A*2315,” referring to the resulting amino acid change of glutamine to glutamic acid (Q->E).

A*74:13 was the second A-locus allele, detected by 69% compared to 57% in 2010. A*74:13 differs from A*74:01 by a single nucleotide substitution at codon 70 (CAC->CAG) in exon 2, causing an amino acid change of histidine to glutamine (H->Q).



The B-locus alleles were reported as B*07:02 (29%) and B*15:10 (59%). C*03:04 (*03:04:02) (66%) and C*15:05 (40%) were the C-locus types.

The probable associations in this cell were B*07:02-C*15:05 and B*15:10-C*03:04:02.

Extract 530. The rare A*30:09 subtype was detected in this cell from a Black donor, previously typed as extracts 261 (2003) and 329 (2005). In the 2005 study, 61% assigned A*30:09. In this current study, 69% of the labs were able to detect this rare allele.

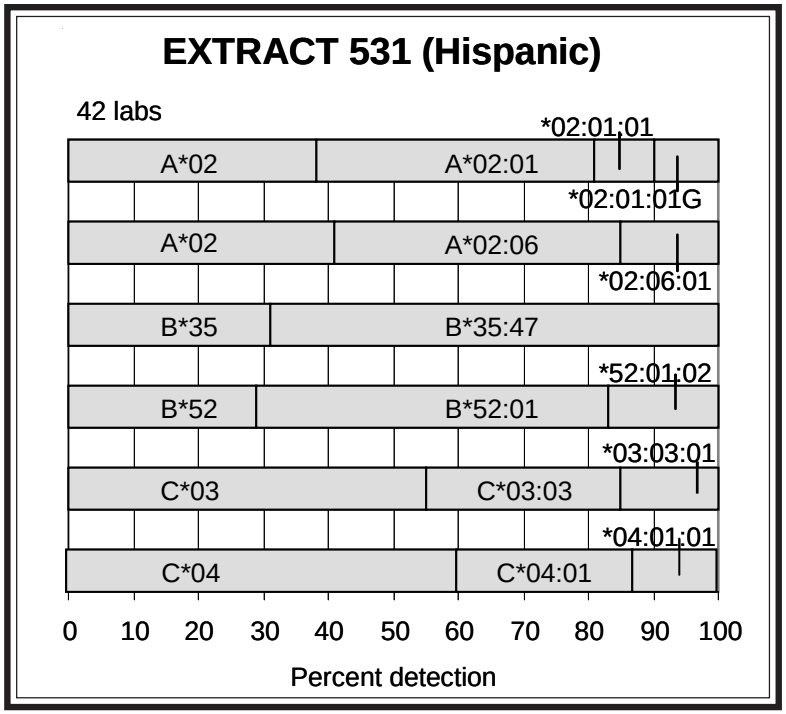
The other A-locus type was A*80:01 (76%)

The detection rate of B*81:01 (38%) increased in this present retyping compared to the 25% detection level in 2005. However, this is still much lower than the 84% assignment of B*81:01 in the initial 2003 study. The 2005

report (2) postulated that the lower detection level was possibly caused by the discovery of a second B*81 subtype, B*81:02, found in cell 1157 from a Chinese donor. According to Fae et al. (3), B*81:01 and B*81:02 have identical sequences in exons 2 and 3; however, in exon 1, the alleles differ by 4 nucleotides. This could explain why the majority of labs assigned either B*81 or B*81:01/02.

The assignment of C*18:02 improved from 11% (2005) to the current 35% detection level. However, a number of labs were still unable to resolve the C*18 subtype and therefore reported C*18:01/02 (38%). The sequences for C*18:01 and C*18:02 differ only in exon 5, at codon 295 where thymine is replaced by cytosine (GTT->GCT).

A*30:09-B*81:01-C*18:02 and A*80:01-B*07:02-C*07:02 were the probable haplotypes in this cell.



Extract 531. This cell from an Hispanic donor was previously tested in the International HLA DNA Exchange as DNA#585 (2009). In the 2009 study, 63% of reporting labs detected B*35:47 with 6% unable to exclude B*35:19. In this current study, B*35:47 was well detected by 69%. B*35:47 differs from B*35:19 at codon 41 in exon 2 by a single nucleotide substitution (GCG->ACG).

The second B-locus allele was reported as B*52:01 by 71%.

A*02:01 (61%) and A*02:06 (59%) were reported as the A-locus alleles.

C*03:03 (45%) and C*04:01 (40%) were the C-locus types.

Extract 532. This Japanese cell was previously typed as extract 18 (1997) and as cells 955 (1998), 1056 (2000), 1213 (2004), 1276 (2006), and 1320 (2007). In the original 1997 typing, 23% reported that a variant of A*26 was present while only 7 labs (Chan, Dupont, Fernandez-Vina, Han, Hidajat, Kaneshige, Trachtenberg) assigned A*26:03.

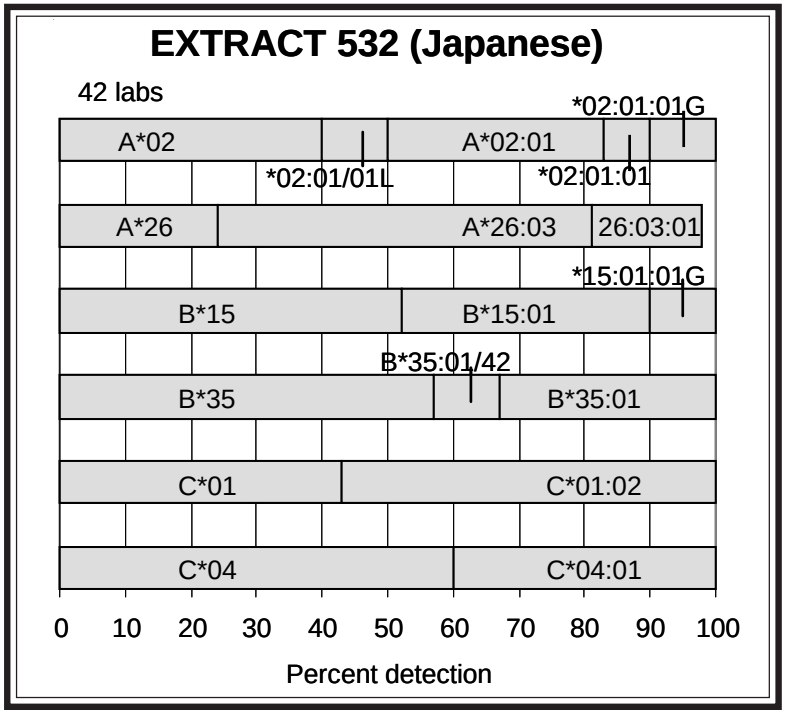
In this present retyping, A*26:03 was assigned by 74% of which 17% assigned A*26:03:01.

A*02:01 was the second A-locus allele.

The B-locus types for this cell were B*15:01 (48%) and B*35:01 (33%).

C*01:02 (57%) and C*04:01 (40%) were the reported C-locus alleles.

The likely associations in this cell were B*35:01-C*04:01 and B*15:01-C*01:02.



The following chart shows the progress in the standardization of A*26:03 in this donor over a 14-year period:

	Extract 18	Cell 955	Cell 1056	Cell 1213	Cell 1276	Cell 1320	Extract 532
	1997	1998	2000	2004	2006	2007	2011
A*26	35%	44%	23%	31%	44%	40%	24%
A*26:03/06	8%	x	30%	18%	4%	x	x
A*26:03/21	x	x	x	x	11%	7%	x
A*26:03	**27%**	**49%**	**43%**	**51%**	**39%**	**53%**	**74%**
A*26:04	x	2%	x	x	x	x	x
A*26:05	4%	x	x	x	x	x	x
A*26:09	x	2%	x	x	x	x	x
A10var/new	23%	x	x	x	x	x	x

Cell Exchange

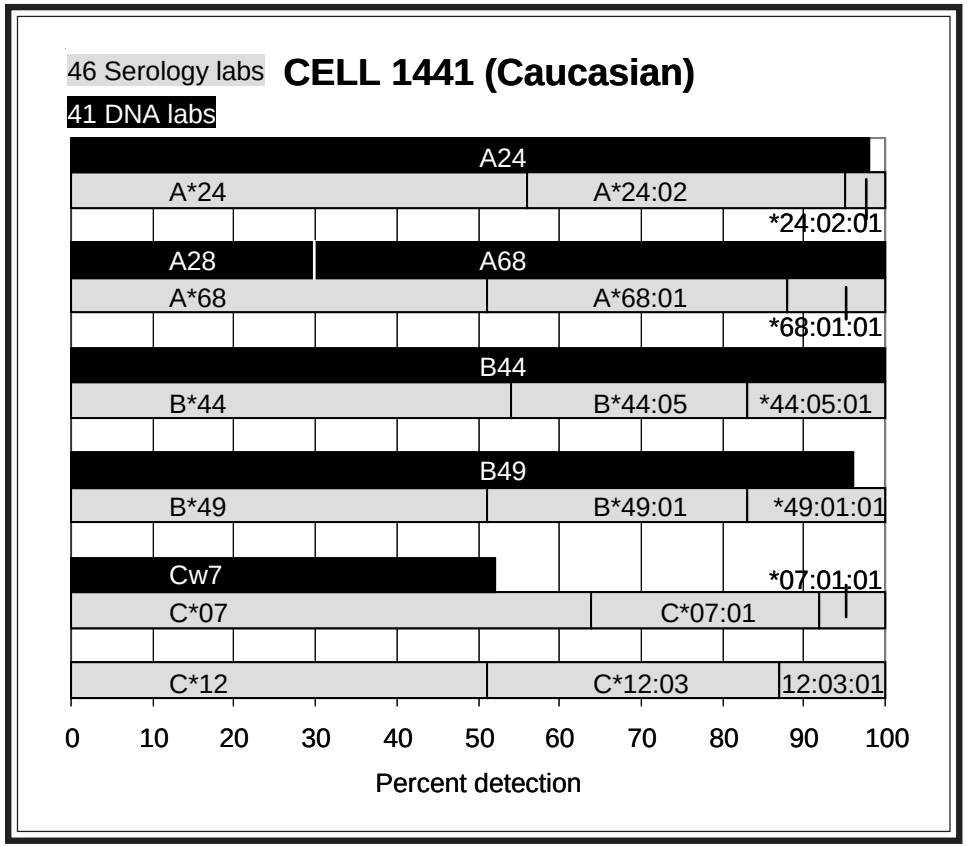
Cell 1441. B44 was assigned in complete agreement and B*44:05 was reported by 46% in this cell from a Caucasian donor. B*44:05 differs from B*44:02 in codon 116 (TAC->GAC), resulting in an amino acid change of aspartic acid to tyrosine. (4, 5, 6) This B*44 allele was previously typed in extracts 326 (2005), 378 (2007), 490 (2010), and 515 (2011). This cell was the first B*44:05 to be typed by both serology and DNA in the Cell Exchange.

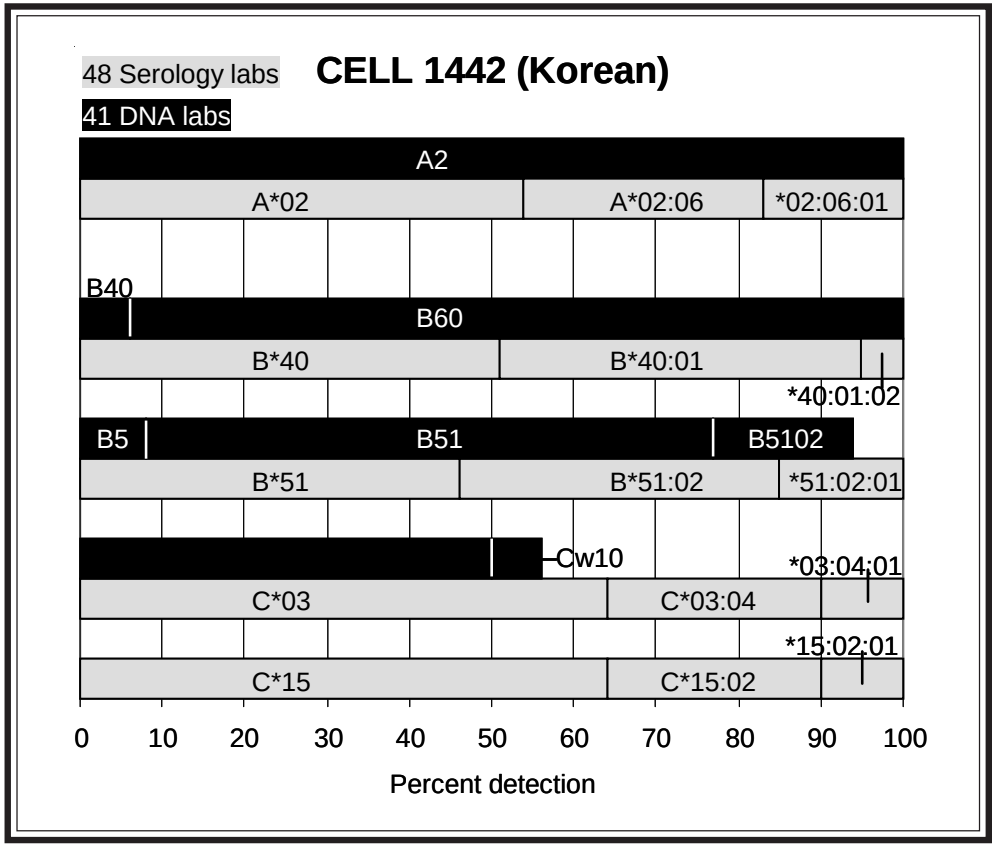
B49 (96%) was the second B-locus antigen, confirmed as B*49:01 (49%).

A24 (98%) and A68 (70%) were verified as A*24:02 (44%) and A*68:01 (49%), respectively.

Cw7 was detected by 52% and corroborated as C*07:01 (36%). The second B-locus allele was C*12:03 (49%).

B49 is found in strong linkage disequilibrium with Cw7. Therefore, the probable associations were B*49:01-C*07:01 and B*44:05-C*12:03. Tiercy noted the unusual B*44:05-C*12:03 association instead of the more commonly found B*44:05-C*02:02 in all populations.





Cell 1442. B51 was detected by 94% in this cell from a Korean individual. A number of labs (Askar, Dunk, McCluskey, Rubocki, Stamm, Tiercy) noted a short variant. The B51 variant, B5102 (17%), was present, corroborated as B*51:02 by 54%, with 12% assigning B*51:02:01.

B60 (94%) was confirmed as B*40:01 (49%).

The Cw3 (56%) split of Cw10 was verified as C*03:04 (36%). The other C-locus allele was C*15:02, assigned by 36%.

The probable associations in this cell were the commonly found B*40:01-C*03:04 and B*51:02-C*15:02. B*51:02 is usually found in association with either C*14:02 or C*15:02 in Asians whereas the B*51:02-C*08:01 association is most frequently found in Hispanics and Native Americans.

Cell 1443. This Caucasian donor with the rare B*37:02 was previously typed last year, initially as extract 479, then as cell 1408 by both serology and DNA typing, as correctly identified by Claas, Dunk, Lefor, Mah, McCluskey, Pancoska, and Stamm. Santos et al. (7) described the sequence as a B37-B27 hybrid in a family study and stated that the serologic expression as having varied reactivity to anti-B37 sera. The following table lists the initial 2010 typing and this present retyping results, indicating the unusual expression of the encoded antigen:

	extract 479 52 labs 2010	cell 1408 56 labs 2010	cell 1443 47 labs 2011
B37	-	**46%**	**68%**
B47	-	18%	15%
B27	-	14%	6%
B*37:02	73%	78%	73%

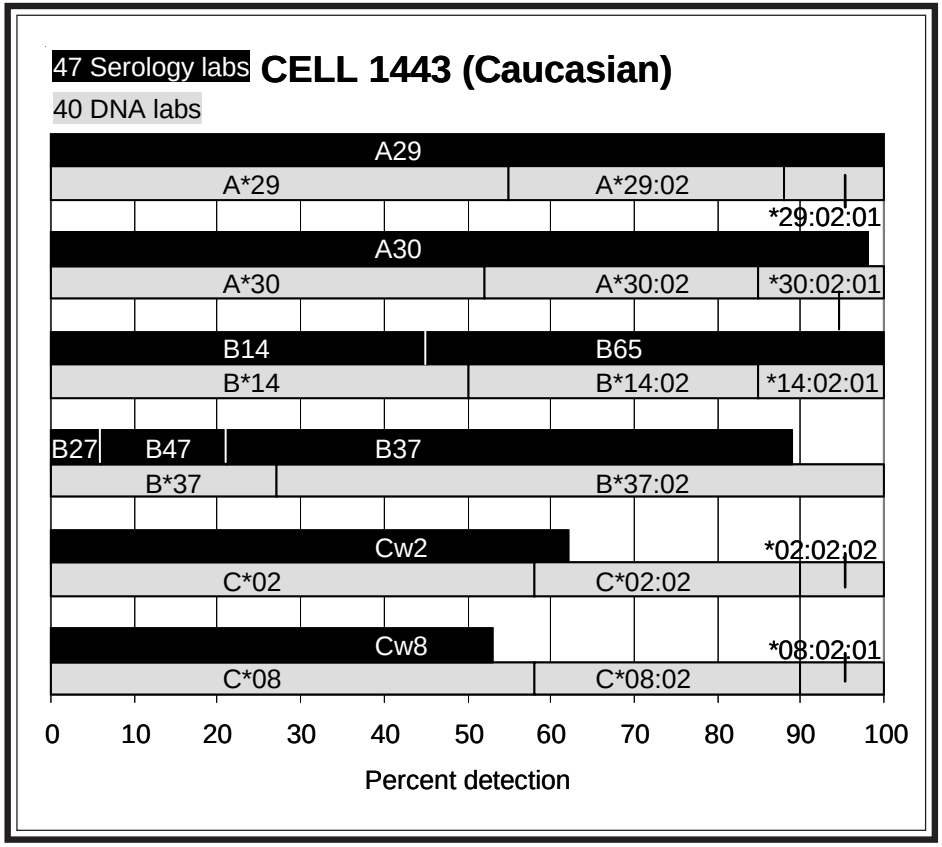
Hogan, Holdsworth, Keown, Mah, and McCluskey commented that it reacted more as a B47. Several labs noted short or no reactivity to their B37 antisera. The table showed improvement in detection and standardization for this B37 variant.

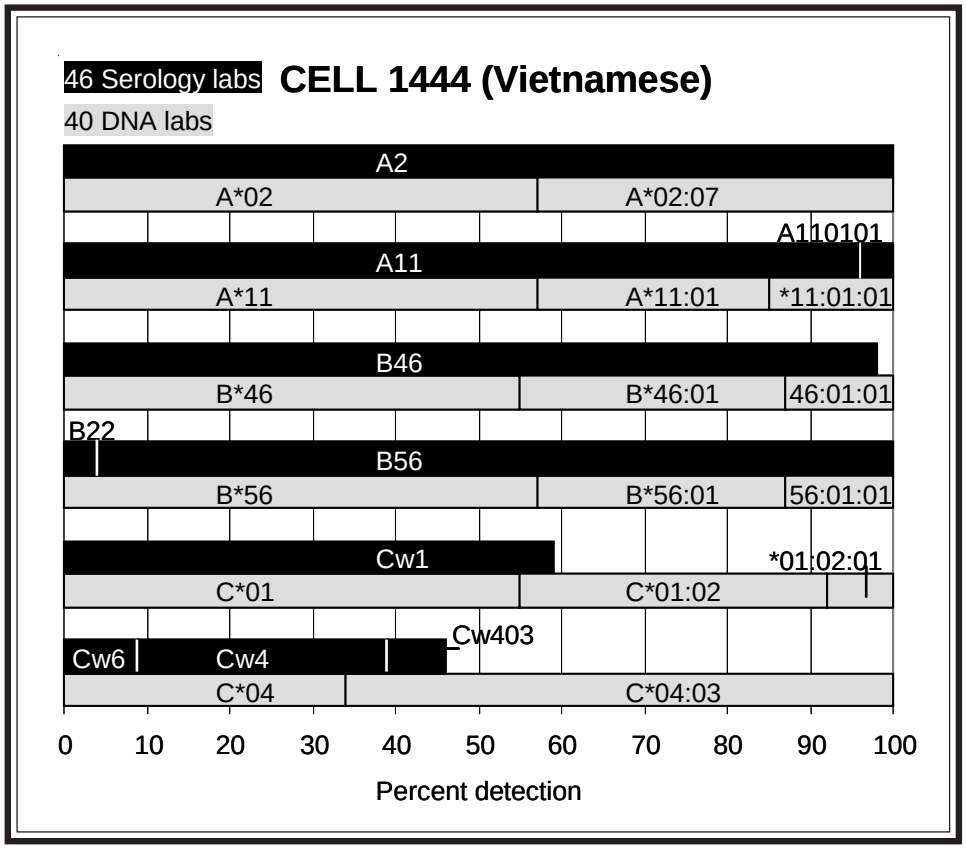
B14 was the second B-locus antigen, assigned in complete concordance. The B65 split (55%) was confirmed as B*14:02 (56%).

A29 (100%) and A30 (98%) were well typed, confirmed as A*29:02 (45%) and A*30:02 (48%), respectively.

Cw2 (62%) and Cw8 (53%) were the C-locus antigens. C*02:02 and C*08:02 were reported by 42% as the C-locus alleles.

B*14:02-C*08:02, frequently found in all populations, was one likely association. The other association may be B*37:02-C*02:02.





Cell 1444. B46 (98%) and B56 (96%) were well typed in this Vietnamese cell and confirmed as B*46:01 (45%) and B*56:01 (43%), respectively.

The Cw4 variant, Cw403 (4%), was present, as indicated by the varied reporting of assignments for Cw4 (30%) and Cw6 (9%), and was established as C*04:03 by 66%.

The second C-locus antigen was Cw1 (59%), confirmed as C*01:02 (45%).

It was interesting to determine which B-C loci associations were present in this cell. C*01:02 is found in strong linkage disequilibrium with both B*46:01 and B*56:01. All previous B*46:01 exchange cells were found with C*01:02. The NMDP Bioinformatics web site lists B*46:01-C*01:02 as the most frequently found association in U.S. Asians, with a frequency of 0.05797. B*46:01-C*04:03 (freq=0.00029) was listed as found only in Asians. B*56:01-C*04:10 (freq=0.00028) and B*56:01-C*04:01g (freq=0.00142) were also listed on the Bioinformatics web site, but no information was available for B*56:01-C*04:03. The B*56:01-C*01:02 association was typed in 10 previous exchange donors (cells 942, 1027, 1173 and extracts 68, 226, 139, 155, 200, 231, 368). A different association, that is, B*56:01-C*04:01, was found in cell 1028 (2000) from a Japanese individual.

A2 and A11 were assigned in complete agreement, validated as A*02:07 and A*11:01 (*11:01:01), respectively, as detected by 43%.

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This is the last sendout in 2011. Wishing you the happiest holiday season!

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

NEXT MAILING DATE: FEBRUARY 1, 2012

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

PARTICIPATING CENTERS

NAME	CITY	STATE/COUNTRY
(W.H.O. LABS)		
Fischer & Mayr,Drs	Vienna	
Adams,Sharon	Bethesda	MD
Ahn,Jaeie	Gyeonggi-do	
Ajlan,Dr Abdulaziz	Riyadh	
Al-Attas,Dr Rabab	Damman-East Pr	
Alonso,Antonio	Malaga	
Alvarez & Carrett,Dr	Montevideo	
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Cecka PhD,J.Michael	Honolulu	HI
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Chan MD,Prof Soh Ha	Singapore	
Charlton PhD,Ronald	Jacksonville	FL
Charron,Prof D.	Paris Cedex 10	
Chen,Dr Dong-Feng	Durham	NC
Claas,Prof F.H.J.	Leiden	
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Colombe PhD,Beth W.	Philadelphia	PA
Costeas,Dr Paul A.	Nicosia	
Crowe PhD,Deborah	Nashville	TN
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Rao PhD,Prakash	New Providence	NJ
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Reed PhD,Elaine F.	Los Angeles	CA
Rees,Dr Tracey	Pontyclun Wale	
Reinke MD,Dennis	Bismarck	ND
Reinsmoen PhD,Nancy	Los Angeles	CA
Roberts,Chrissy H.	London England	
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Graff,Dr Ralph J.	St Louis	MO	Nelson PhD,Karen	Seattle	WA			

	SERUM NO. 1069												SERUM NO. 1070											
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Al-Attas,Rab	???	???	+	+	+	+	+	+	+	+	+		CW8	???	???	+	+	+	+	+	+	+	+	+	+		(3)
Alvarez & Ca	35	100	+		+		+						B49,A30,A24>	40	100	+										B49,A29,A26>	(3)
Askar,Medhat	9	100	+	+										14	100		+	+			+						(2)
Baker,Judy	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	+	+	+		(3)
Cecka,J.Mich	37	33	+	+	+	+	+	+	+		+		A24	50	33	+	+	+	+	+	+	+	+			A23,A24	(4)
Charlton,Ron	88	???	+	+	+	+	+	+	+	+				84	???	+	+	+	+	+	+	+		+			(3)
Claas,F.H.J.	25	50	+	+		+								21	50	+	+	+									(1)
Cohen,JHM Pr	62	???	+	+	+	+	+	+	+	+	+			91	???	+	+	+	+	+	+	+	+	+			(3)
Dunk,Arthur	27	100	+	+	+	+	+	+	+		+		B50	27	100	+	+	+	+	+	+					B41	(6)
Dunn,Paul Dr	???	???	+	+	+	+					+			???	???	+	+	+	+				+			B37,B41	(2)
Eckels/CPMC,	86	???											A1,A11,A23,A24>	99	???	+						+				A23,A24,A29>	(3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+		+	CW8	???	???	+	+	+	+	+	+	+	+	+	+		(3)
Esteves Kond	12	0		+	+		+							16	0		+		+			+					(1)
Esteves-Kond	72	100	+	+	+		+	+			+		B41,A1,A3,A11	88	100	+	+		+	+		+	+			B41,A23,A24>	(3)
Fort,Marylis	???	???	+	+	+	+	+	+	+	+	+		6602	???	???	+	+	+	+	+	+	+	+	+		6602	(3)
Gandhi,Manis	???	???	+	+	+	+	+	+	+		+			???	???		+	+	+	+	+	+					(4)
Gautreaux,Mi	100	???	+	+	+	+	+		+		+		6602	98	???	+	+	+	+		+					A29,B18,6602	(3)
Hahn,Amy B.	51	82	+		+			+					B40,B49	54	100	+			+	+						B40	(4)
Hamdi,Nuha D	60	100	+	+	+	+	+	+	+	+		+	CW8	85	100	+	+	+	+	+	+	+	+	+		A66	(3)
Han,Hoon Dr	42	???	+	+	+	+	+	+	+	+				55	???	+	+	+	+		+	+				B39,B41	(3)
Harville,Ter	???	???	+	+	+	+		+	+	+	+	+	2708	???	???	+	+	+	+	+	+		+	+	+	2708	(3)
Hogan,Patric	23	50	+	+	+	+	+							15	83	+	+	+		+							(1)
Holdsworth,R	???	???	+	+	+	+	+	+	+	+			6602,CW8	???	???	+	+	+	+	+	+	+		+		6602,A23	(3)
Klein,Tirza	50	100		+	+	+		+		+			B54,B56,B45>	54	100	+	+	+	+	+	+					B54,B56,B45>	(3)
Lardy,N.M. D	26	100	+	+		+					+			46	100	+	+	+	+	+		+				B41	(2)
Loewenthal M	98	100		+	+								B54,A1,6601,A2>	92	100		+		+		+					B54,B45,B56,B8>	(3)
Loftus,Kimbe	100	???	+	+	+	+		+	+	+	+		B56,B58	98	???	+	+	+	+	+	+		+		+	B56,B58	(3)
Maeda,Lisa	???	???	+	+	+	+	+	+	+	+		+	CW8	???	???	+	+	+	+	+	+	+	+	+	+		(3)
Mah,Helen	40	100	+	+	+	+	+	+					CW15	23	100	+	+	+								B45,B44,CW10	(4)
McAlack-Hana	93	100	+	+	+	+	+	+	+				CW8	100	100	+	+	+	+	+	+	+	+				(3)
McCluskey,Ja	18	100	+	+										27	100	+	+	+								B40	(6)
Meyer,Pieter	100	???											A1,A11,A2,A23>	100	???											A1,A11,A2,A23>	(3)
Mpuntsha,Loy	27	???	+	+	+	+	+	+	+				6602	23	???	+	+	+	+	+	+	+	+				(3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(3)
Pais,Maria L	???	???	+									+	A1,A23,A24,A30>	???	???	+						+				A23,A24,A29>	(3)
Pancoska,Car	57	100	+	+	+	+	+	+	+	+	+	+		60	100	+	+	+	+	+	+	+	+	+	+		(3)
Pereira,Noem	???	???	+	+		+	+	+	+		+	+	CW5,CW8	???	???	+	+	+	+	+	+	+	+	+		A66	(3)
Permpikul &	29	90	+										B40	36	100	+				+						B40	(1)
Phelan,Donna	52	???								+			1C,7C,B12,B21>	62	???											5C,7C,A2,A9>	(3)
Ramon,Daniel	72	???	+	+	+	+	+	+		+		+	B50,B45	60	???	+	+	+	+	+		+		+	+	A66,A29	(4)
Rosen-Bronso	???	???	+	+	+	+	+	+	+	+		+	CW8	???	???	+	+	+	+	+	+	+	+	+	+		(3)
Sage,Deborah	100	???	+	+	+	+	+	+	+	+	+		6602	100	???	+	+	+	+	+	+	+	+	+		6602	(3)
Suciu-Foca,N	26	16			+		+						B40	17	67				+		+	+			B40	(1)
Turner,E.V.	???	???	+	+	+	+	+	+		+			B41,B44,B45	???	???	+	+	+	+	+		+		+		B39,B59,B76	(3)
Watson,Narel	21	57	+	+		+								24	75	+	+	+									(1)

********** SERUM NO.1069 ********** ********** SERUM NO.1070 **********

*** 45 TYPING LABS ***			*** 45 TYPING LABS ***		
B13	84%	0.933	B13	84%	0.959
B60	82%	0.948	B60	82%	0.962
B7	76%	0.800	B61	76%	0.958
B61	73%	1.000	B7	73%	0.940
B27	64%	0.830	B48	64%	1.000
B48	62%	0.971	B81	60%	1.000
B81	51%	1.000	B27	60%	0.921
B73	44%	1.000	B47	42%	1.000
B47	38%	1.000	B73	38%	1.000
A66	22%	1.000	B57	22%	1.000
CW8	18%	1.000	A23	16%	1.000
6602	13%	0.889	A29	16%	1.000
A1	11%	1.000	A66	13%	1.000
A24	11%	0.786	B41	13%	0.857
A23	9%	1.000	B18	11%	1.000
A30	9%	1.000	B45	11%	1.000
B45	9%	1.000	A24	11%	0.929
B40	9%	0.833	6602	11%	0.875
A11	7%	1.000	B40	9%	0.933
A31	7%	1.000	A32	7%	1.000
A32	7%	1.000	B39	7%	1.000
B41	7%	1.000	B56	7%	1.000
A2	4%	1.000	A2	4%	1.000
A3	4%	1.000	A26	4%	1.000
A36	4%	1.000	A74	4%	1.000
B44	4%	1.000	B35	4%	1.000
B49	4%	1.000	B37	4%	1.000
B54	4%	1.000	B54	4%	1.000
B56	4%	1.000	B44	4%	0.571
B50	4%	0.333			

Methods:
(1) - NIH std
(2) - NIH ext
(3) – Luminex/Flow
(4) - Antiglobulin
(5) - Elisa
(6) - Other

*** 45 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: All

********** SERUM NO. 1069 ********** ********** SERUM NO. 1070 **********

	% POS	% 8'S	B 6 0	B 1 3	B 7	B 6 1	B 2 7	B 4 0	% POS	% 8'S	B 6 0	B 1 3	B 6 1	B 7	B 4 8	B 4 0	B 2 7		METHOD
Claas,F.H.J.	25	50	+	+		+			21	50	+	+	+						(1)
Esteves Kond	12	0	+		+		+		16	0	+			+		+			(1)
Hogan,Patric	23	50	+	+	+	+			15	83	+	+	+		+				(1)
Permpikul &	29	90		+				+	36	100		+			+	+			(1)
Suciu-Foca,N	26	16			+		+	+	17	67				+		+	+	B81	(1)
Watson,Narel	21	57	+	+		+			24	75	+	+	+						(1)

********** SERUM NO.1069 ********** ********** SERUM NO.1070 **********

*** 6 TYPING LABS ***			*** 6 TYPING LABS ***		
B13	67%	0.941	B60	67%	0.952
B60	67%	0.905	B13	67%	0.882
B61	50%	1.000	B61	50%	1.000
B27	50%	0.600	B7	33%	1.000
B7	50%	0.313	B48	33%	1.000
B40	33%	0.722	B40	33%	0.889
			B27	33%	0.800
			B81	17%	1.000

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

********** SERUM NO. 1069 ********** ********** SERUM NO. 1070 **********

	% POS	% 8'S	B 6 0	B 1 3	B 6 1	B 4 7		% POS	% 8'S	B 6 1	B 6 0	B 7	B 4 1	B 1 3		METHOD
Askar,Medhat	9	100	+	+				14	100	+	+			B81		(2)
Dunn,Paul Dr	???	???	+	+	+	+	B7	???	???	+	+	+	+	+	B37,B47	(2)
Lardy,N.M. D	26	100	+	+	+	+		46	100	+	+	+	+	+	B48,B27	(2)

********** SERUM NO.1069 ********** ********** SERUM NO.1070 **********

*** 3 TYPING LABS ***			*** 3 TYPING LABS ***		
B60	100%	1.000	B60	100%	1.000
B13	100%	0.857	B61	100%	1.000
B47	67%	1.000	B13	67%	1.000
B61	67%	1.000	B7	67%	0.778
B7	33%	1.000	B41	67%	0.667
			B37	33%	1.000
			B47	33%	1.000
			B48	33%	1.000
			B81	33%	1.000
			B27	33%	0.600

*** 3 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: NIH-ext

	SERUM NO. 1069												SERUM NO. 1070											
	% POS	% 8'S	B 7	B 60	B 13	B 61	B 27	B 48	B 81	B 73	B 47	C W8		% POS	% 8'S	B 13	B 7	B 60	B 81	B 61	B 27	B 48	B 73	B 45 7		METHOD
Al-Attas,Rab	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(L-3)
Alvarez & Ca	35	100	+		+		+						B49,A30,A24>	40	100	+									B49,A29,A26>	(F-3)
Askar,Medhat	96	100	+	+	+	+	+	+	+			+	2708,6602	99	100	+	+	+	+	+	+	+	+	+	2708	(L-3)
Baker,Judy	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	+	+	+	(L-3)
Cecka,J.Mich	62	100	+	+	+	+	+	+	+	+		+	A66	91	100	+	+	+	+	+	+	+	+		6602,A23	(L-3)
Charlton,Ron	88	???	+	+	+	+	+	+	+	+				84	???	+	+	+	+	+	+	+	+			(L-3)
Cohen,JHM Pr	62	???	+	+	+	+	+	+	+	+	+			91	???	+	+	+	+	+	+	+	+	+		(L-3)
Dunn,Paul Dr	???	???	+	+	+	+	+	+		+			A66,2708,8101	???	???	+	+	+	+	+	+	+	+		2708,A66	(L-3)
Eckels/CPMC,	86	???											A1,A11,A23,A24>	99	???	+					+				A23,A24,A29>	(LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+		+	A66	???	???	+	+	+	+	+	+	+	+	+	+	(L-3)
Esteves-Kond	72	100	+	+	+		+	+			+		B41,A1,A3,A11	88	100	+	+	+			+	+		+	B41,A23,A24>	(F-3)
Fort,Marylis	???	???	+	+	+	+	+	+	+	+	+		6602	???	???	+	+	+	+	+	+	+	+	+	6602	(L-3)
Gandhi,Manis	???	???	+	+	+	+	+	+	+	+		+	A66	???	???	+	+	+	+	+	+	+	+	+	A66	(L-3)
Gautreaux,Mi	100	???	+	+	+	+	+		+		+		6602	98	???	+	+	+	+	+					A29,B18,6602	(L-3)
Hahn,Amy B.	55	???	+	+	+	+	+	+	+	+	+		A66	63	???	+	+	+	+	+	+	+	+	+	A66	(L-3)
Hamdi,Nuha D	60	100	+	+	+	+	+	+	+	+		+	A66	85	100	+	+	+	+	+	+	+	+	+	A66	(L-3)
Han,Hoon Dr	42	???	+	+	+	+	+	+	+	+				55	???	+	+	+	+	+	+				B39,B41	(L-3)
Harville,Ter	???	???	+	+	+	+		+	+	+	+		2708,A66	???	???	+	+	+	+	+		+	+	+	2708	(L-3)
Hogan,Patric	???	???	+	+	+	+	+		+		+	+	A66,CW5	???	???	+	+	+	+	+	+			+	A66,A29,B18	(L-3)
Holdsworth,R	???	???	+	+	+	+	+	+	+	+		+	6602	???	???	+	+	+	+	+	+	+	+		6602,A23	(L-3)
Klein,Tirza	50	100	+	+		+		+		+			B54,B56,B45>	54	100	+	+	+	+	+		+			B54,B56,B45>	(L-3)
Loewenthal M	98	100	+	+									B54,A1,6601,A2>	92	100		+	+	+						B54,B45,B56,B8>	(L-3)
Loftus,Kimbe	100	???	+	+	+	+		+	+	+	+		B56,B58	98	???	+	+	+	+	+		+		+	B56,B58	(L-3)
Maeda,Lisa	???	???	+	+	+	+	+	+	+	+		+	A66	???	???	+	+	+	+	+	+	+	+	+		(L-3)
Mah,Helen	???	???	+	+	+	+	+	+	+	+			6602,2708	???	???	+	+	+	+	+	+	+	+		6602,A23	(L-3)
McAlack-Hana	93	100	+	+	+	+	+	+	+			+		100	100	+	+	+	+	+	+	+		+		(L-3)
McCluskey,Ja	38	???	+	+	+	+	+		+		+	+	6602,CW5	40	???	+	+	+	+	+	+			+	6602,B18,A29	(L-3)
Meyer,Pieter	100	???											A1,A11,A2,A23>	100	???										A1,A11,A2,A23>	(L-3)
Mpuntsha,Loy	27	???	+	+	+	+	+	+	+				6602	23	???	+	+	+	+	+	+	+		+		(L-3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+	+		A66	???	???	+	+	+	+	+	+	+	+	+	+	(L-3)
Pais,Maria L	???	???			+								A1,A23,A24,A30>	???	???	+					+				A23,A24,A29>	(L-3)
Pancoska,Car	57	100	+	+	+	+	+	+	+	+	+		A66	60	100	+	+	+	+	+	+	+	+	+	+	(L-3)
Pereira,Noem	???	???		+	+	+	+	+	+		+	+	CW5,A66	???	???	+	+	+	+	+	+	+	+	+	A66	(L-3)
Permpikul &	???	???	+	+	+	+	+	+	+		+		B50,B44	???	???	+	+	+	+	+	+				B50,A24,A30>	(L-3)
Phelan,Donna	52	???								+			1C,7C,B12,B21>	62	???										5C,7C,A2,A9>	(L-3)
Ramon,Daniel	93	???	+	+	+	+	+	+	+	+		+	6602	100	???	+	+	+	+	+	+	+	+	+	6602	(L-3)
Rosen-Bronso	???	???	+	+	+	+	+	+	+	+		+	A66	???	???	+	+	+	+	+	+	+	+	+	+	(L-3)
Sage,Deborah	100	???	+	+	+	+	+	+	+	+	+		6602	100	???	+	+	+	+	+	+	+	+	+	6602	(L-3)
Suciu-Foca,N	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(L-3)
Turner,E.V.	???	???	+	+	+	+	+	+		+			B41,B44,B45	???	???	+	+	+		+	+	+	+		B39,B59,B76	(L-3)

(3) – L—Luminex, F-Flow

********** SERUM NO.1069 ********** ********** SERUM NO.1070 **********

*** 40 TYPING LABS ***			*** 40 TYPING LABS ***		
B7	88%	1.000	B13	93%	1.000
B60	88%	0.980	B7	88%	1.000
B13	88%	0.979	B60	88%	0.980
B61	85%	1.000	B61	83%	1.000
B27	80%	0.976	B81	83%	1.000
B48	78%	1.000	B27	80%	1.000
B81	75%	1.000	B48	73%	1.000
B73	65%	1.000	B47	60%	1.000
B47	43%	1.000	B73	60%	1.000
CW8	38%	0.760	B57	25%	1.000
A66	35%	0.941	A66	23%	1.000
6602	25%	0.923	6602	23%	0.917
A1	13%	1.000	A23	20%	1.000
2708	10%	1.000	A29	20%	1.000
A23	10%	1.000	B18	18%	1.000
A24	10%	1.000	A24	13%	1.000
A30	10%	1.000	B45	10%	1.000
A11	8%	1.000	2708	8%	1.000
A31	8%	1.000	A32	8%	1.000
A32	8%	1.000	B39	8%	1.000
B41	8%	1.000	B41	8%	1.000
B44	8%	1.000	B56	8%	1.000
B45	8%	1.000	A2	5%	1.000
CW5	8%	1.000	A26	5%	1.000
A2	5%	1.000	A74	5%	1.000
A3	5%	1.000	B35	5%	1.000
A36	5%	1.000	B50	5%	1.000
B54	5%	1.000	B54	5%	1.000
B56	5%	1.000			

*** 40 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: Luminex/Flow

********** SERUM NO. 1069 ********** ********** SERUM NO. 1070 **********

	% POS	% 8'S	B 7	B 13	B 48	B 27	B 61	B 80	B 44	B 40		% POS	% 8'S	B 7	B 13	B 61	B 60	B 48	B 27	B 82	B 44		METHOD
Cecka,J.Mich	37	33	+	+	+	+	+	+	+	+	A24	50	33	+	+	+	+	+	+	+	+	A23,A24,B47	(4)
Gandhi,Manis	???	???	+	+	+	+	+	+	+	+		???	???	+		+	+	+	+	+			(4)
Hahn,Amy B.	51	82	+	+	+					+	B49	54	100	+	+		+				+		(4)
Mah,Helen	40	100	+	+	+	+	+	+			CW15	23	100		+	+	+					B45,B44,CW10	(4)
Ramon,Daniel	72	???	+	+	+	+	+	+			B73,A66,B50,B45	60	???	+	+	+	+	+		+		B73,A66,B57,A29	(4)
Suciu-Foca,N	32	38	+	+		+			+	+		25	60	+	+				+		+		(4)

********** SERUM NO.1069 ********** ********** SERUM NO.1070 **********

*** 6 TYPING LABS ***

B7	100%	0.941
B13	100%	0.846
B27	83%	1.000
B48	83%	1.000
B60	67%	1.000
B61	67%	1.000
B81	50%	1.000
B40	33%	1.000
B47	33%	1.000
A66	17%	1.000
B45	17%	1.000
B49	17%	1.000
B50	17%	1.000
B73	17%	1.000
CW15	17%	1.000
A24	17%	0.700

*** 6 TYPING LABS ***

B7	83%	1.000
B13	83%	1.000
B48	67%	1.000
B60	67%	0.900
B61	67%	0.750
B27	50%	1.000
B81	50%	1.000
B40	33%	1.000
A23	17%	1.000
A29	17%	1.000
A66	17%	1.000
B45	17%	1.000
B47	17%	1.000
B57	17%	1.000
B73	17%	1.000
A24	17%	0.900
CW10	17%	0.636
B44	17%	0.500

*** 6 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: Antiglobulin

********** SERUM NO. 1069 ********** ********** SERUM NO. 1070 **********

	% POS	% 8'S	B 7	B 6 1	B 6 0	B 4 8	B 4 7	B 2 7	B 1 3	B 8 1	B 5 0	B 4 1	% POS	% 8'S	B 7	B 6 1	B 6 0	B 4 8	B 4 7	B 2 7	B 1 3	B 8 1	B 5 7	B 4 4	B 4 7	METHOD
Esteves-Kond	50	67	+	+	+	+	+	+	+				57	67	+	+	+	+	+	+			B53			(5)
Hahn,Amy B.	20	???	+	+	+	+	+	+	+	+	+	+	19	???	+	+	+	+	+	+	+	+	+	+		(5)

********** SERUM NO.1069 ********** ********** SERUM NO.1070 **********

*** 2 TYPING LABS ***

B7	100%	1.000
B13	100%	1.000
B27	100%	1.000
B47	100%	1.000
B48	100%	1.000
B60	100%	1.000
B61	100%	1.000
B41	50%	1.000
B50	50%	1.000
B81	50%	1.000

*** 2 TYPING LABS ***

B7	100%	1.000
B13	100%	1.000
B48	100%	1.000
B61	100%	1.000
B27	100%	0.750
B60	100%	0.750
B44	50%	1.000
B47	50%	1.000
B57	50%	1.000
B81	50%	1.000
B53	50%	0.667

*** 2 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: Elisa

	%	%	B 1 3	B 4 9	B 6 1	B 6 0	B 4 5	B 4 1	B 4 4	B 4 7	B 5 0	B 4 8		%	%	B 6 0	B 6 1	B 1 3	B 7	B 2 7	B 4 7	B 8 1	B 4 8	B 7 3	A 6 6		
	POS	8'S												POS	8'S											METHOD
Al-Attas,Rab	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	+	+	+	(3)
Alvarez & Ca	42	100	+	+			+		+				B35,B15,B40,B7>	29	100			+	+	+					A2,B49,A68,A24>	(3)
Askar,Medhat	54	100	+	+	+	+	+	+	+	+				23	100	+	+								A24,B41	(2)
Baker,Judy	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	A24	(3)
Cecka,J.Mich	27	50	+	+	+	+		+		+		+	B7,B27,B81	32	33	+	+	+		+		+			A23,A24,B45	(4)
Charlton,Ron	81	???	+	+	+	+	+	+		+	+			83	???	+	+		+	+	+	+	+		+	(3)
Claas,F.H.J.	46	50	+	+	+	+			+					25	100	+	+	+								(1)
Cohen,JHM Pr	62	???	+	+	+	+	+	+	+	+	+		B27	65	???	+	+	+	+	+	+	+	+	+	A9	(3)
Dunk,Arthur	48	100	+	+	+	+	+	+	+	+	+		B7	8	67	+	+		+		+		+		B37	(6)
Dunn,Paul Dr	???	???	+	+	+	+	+	+	+	+				???	???	+	+	+	+	+	+					(2)
Eckels/CPMC,	???	???	+					+	+				B18,B27,B35>	???	???			+		+					A1,A2,A23,A24>	(3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(3)
Esteves Kond	12	0	+										B7,B27	11	0				+	+						(1)
Esteves-Kond	72	100	+	+		+	+	+		+			B7,B18,B27,B38	66	100	+	+	+	+	+	+				B41,A1,A2,A23	(3)
Fort,Marylis	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	6602	(3)
Gandhi,Manis	???	???	+	+	+	+	+	+	+	+				???	???	+	+			+	+					(4)
Gautreaux,Mi	82	???	+	+	+	+	+		+	+			B81	74	???	+	+	+	+	+	+				6602,A24	(3)
Hahn,Amy B.	26	100											B21,B12,B40	49	58			+						+	A9,B40,A31,A34>	(4)
Hamdi,Nuha D	49	100	+	+	+	+	+	+	+	+	+	+		71	100	+	+	+	+	+		+	+	+	+	A24	(3)
Han,Hoon Dr	42	???	+	+	+	+	+		+	+	+			42	???	+	+	+	+	+	+	+			B41	(3)
Harville,Ter	96	???	+	+	+	+	+	+	+	+	+		2708	96	???	+	+	+	+		+	+		+	+	2708,A24	(3)
Hogan,Patric	42	100	+	+	+	+	+		+					33	33	+	+	+								(1)
Holdsworth,R	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	6602	(3)
Klein,Tirza	44	100		+	+	+	+	+			+		B81,B54,B56>	52	100	+	+	+	+		+	+			B45,B41,B55>	(3)
Lardy,N.M. D	48	100	+	+	+	+	+	+	+	+	+			39	100	+	+	+			+				B41	(2)
Loewenthal M	82	100		+	+	+	+				+	+	B81,B15,B56,B7	76	???	+	+		+			+	+	+		B56,B78,A1,B49	(3)
Loftus,Kimbe	94	???	+	+	+	+	+	+	+	+	+		B81	78	???	+	+	+	+		+	+				B45,B44,B58>	(3)
Maeda,Lisa	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(3)
Mah,Helen	41	100	+	+	+	+							B73,B27,A24,B7>	48	80	+	+	+	+	+			+			CW2,CW18,B39>	(4)
McAlack-Hana	89	100	+	+	+	+	+	+		+	+			94	100	+	+	+	+	+	+	+	+			(3)
McCluskey,Ja	59	100	+	+	+	+	+	+	+				B40	23	100	+	+	+							B40	(6)
Meyer,Pieter	96	???					+						A1,A11,A2,A23>	82	???	+									A1,A2,B45,B62>	(3)
Mpuntsha,Loy	28	???	+	+	+	+	+		+	+	+			27	???	+	+	+	+	+	+	+			6602	(3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(3)
Pais,Maria L	???	???	+	+			+	+	+	+		+	B27,B38,B39	???	???			+		+	+		+		+	A23,A24,B37>	(3)
Pancoska,Car	43	100	+	+	+	+	+	+	+	+	+	+		33	100	+	+	+	+	+	+	+	+	+	+	(3)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(3)
Permpikul &	38	100	+										B40,B12	25	100										B40	(1)
Phelan,Donna	38	???		+							+		B52,B62,B75>	33	???	+	+	+	+	+				+	2C,A9,A1,B41	(3)
Ramon,Daniel	41	???	+	+	+	+	+	+	+		+		B27,B38	53	???	+	+	+	+	+			+	+	A24,A23	(4)
Rosen-Bronso	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+	(3)
Sage,Deborah	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	6602	(3)
Suciu-Foca,N	33	17	+					+					B12,B40	12	6			+		+		+			B40	(1)
Turner,E.V.	???	???	+	+	+	+	+	+	+	+	+		B27	???	???	+	+	+	+	+	+	+	+	+		(3)
Watson,Narel	34	85	+		+	+	+	+		+				NEG												(1)

********** SERUM NO.1071 ********** ********** SERUM NO.1072 **********

*** 45 TYPING LABS ***			*** 45 TYPING LABS ***		
B13	89%	0.935	B60	82%	0.970
B49	84%	0.947	B61	80%	1.000
B45	80%	1.000	B13	80%	0.907
B60	80%	0.986	B27	69%	0.932
B61	80%	0.980	B7	69%	0.911
B41	71%	0.925	B47	60%	1.000
B44	69%	0.974	B81	56%	0.962
B47	67%	0.971	B48	47%	0.957
B50	60%	0.970	B73	38%	1.000
B48	31%	0.933	A66	31%	0.889
B27	22%	0.547	A24	24%	0.767
B7	16%	0.609	B41	20%	0.833
B38	11%	1.000	A23	16%	1.000
B81	11%	0.875	6602	13%	0.889
B40	11%	0.806	A1	11%	1.000
B35	7%	1.000	B45	11%	0.778
B52	7%	0.800	A2	9%	1.000
B12	7%	0.643	B49	9%	1.000
B15	4%	1.000	B40	9%	0.867
B18	4%	1.000	A9	7%	0.875
B39	4%	1.000	A68	4%	1.000
B42	4%	1.000	B44	4%	1.000
B56	4%	1.000	B37	4%	0.667
A24	4%	0.600			

Methods:
(1) - NIH std
(2) - NIH ext
(3) – Luminex/Flow
(4) - Antiglobulin
(5) - Elisa
(6) - Other

*** 45 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: All

********** SERUM NO. 1071 ********** ********** SERUM NO. 1072 **********

	% POS	% 8'S	B 1 3	B 6 1	B 6 0	B 4 9	B 4 5	B 4 4	B 4 1	B 1 0	B 1 2		% POS	% 8'S	B 1 3	B 6 1	B 6 0	B 4 0	B 2 7		METHOD
Claas,F.H.J.	46	50	+	+	+	+		+					25	100	+	+	+				(1)
Esteves Kond	12	0	+								B7,B27		11	0				+	B7		(1)
Hogan,Patric	42	100	+	+	+	+	+	+					33	33	+	+	+				(1)
Permpikul &	38	100	+						+	+			25	100			+				(1)
Suciu-Foca,N	33	17	+				+	+	+				12	6	+		+	+	B81		(1)
Watson,Narel	34	85	+	+	+		+		+		B47		NEG								(1)

********** SERUM NO.1071 ********** ********** SERUM NO.1072 **********

*** 6 TYPING LABS ***

B13	100%	0.905
B61	50%	1.000
B60	50%	0.933
B12	33%	1.000
B44	33%	1.000
B45	33%	1.000
B40	33%	0.944
B49	33%	0.750
B41	33%	0.500
B47	17%	1.000
B7	17%	0.800
B27	17%	0.420

*** 6 TYPING LABS ***

B13	50%	1.000
B60	33%	1.000
B61	33%	1.000
B27	33%	0.800
B40	33%	0.778
B81	17%	1.000
B7	17%	0.600

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

********** SERUM NO. 1071 ********** ********** SERUM NO. 1072 **********

	% POS	% 8'S	B 6 1	B 6 0	B 4 9	B 4 7	B 4 5	B 4 4	B 4 1	B 1 3		% POS	% 8'S	B 6 1	B 6 0	B 4 7	B 4 1	B 1 3		METHOD
Askar,Medhat	54	100	+	+	+	+	+	+	+	+		23	100	+	+		+		A24		(2)
Dunn,Paul Dr	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+		+	B7,B27		(2)
Lardy,N.M. D	48	100	+	+	+	+	+	+	+	+	B50	39	100	+	+	+	+	+			(2)

********** SERUM NO.1071 ********** ********** SERUM NO.1072 **********

*** 3 TYPING LABS ***

B41	100%	1.000
B45	100%	1.000
B47	100%	1.000
B49	100%	1.000
B60	100%	1.000
B61	100%	1.000
B44	100%	0.941
B13	100%	0.833
B50	33%	0.500

*** 3 TYPING LABS ***

B60	100%	1.000
B61	100%	1.000
B13	67%	1.000
B47	67%	1.000
B41	67%	0.600
B7	33%	1.000
B27	33%	1.000
A24	33%	0.600

*** 3 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: NIH-ext

	SERUM NO. 1071												SERUM NO. 1072											
	% POS	% 8'S	B 4 9	B 4 5	B 1 3	B 6 1	B 6 0	B 4 7	B 5 0	B 4 4	B 4 1	B 4 8		% POS	% 8'S	B 7	B 6 0	B 1 3	B 6 1	B 2 7	B 8 1	B 4 7	B 4 8	B 7 3	A 6 6		METHOD
Al-Attas,Rab	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Alvarez & Ca	42	100	+	+	+					+			B35,B15,B40,B7>	29	100	+		+		+						A2,B49,A68,A24>	(F-3)
Askar,Medhat	93	100	+	+	+	+	+	+	+	+	+	+		92	100	+	+	+	+	+	+	+	+			2708,6602	(L-3)
Baker,Judy	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		A24	(L-3)
Cecka,J.Mich	45	100	+	+	+	+	+	+	+	+	+	+		71	100	+	+	+	+	+	+		+	+	+	A24	(L-3)
Charlton,Ron	81	???	+	+	+	+	+	+	+		+			83	???	+	+		+	+	+	+	+		+		(L-3)
Cohen,JHM Pr	62	???	+	+	+	+	+	+	+	+	+		B27	65	???	+	+	+	+	+	+	+	+	+		A9	(L-3)
Dunn,Paul Dr	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+		+	+	+	2708	(L-3)
Eckels/CPMC,	???	???			+					+	+		B18,B27,B35>	???	???			+		+						A1,A2,A23,A24>	(LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Esteves-Kond	72	100	+	+	+		+	+			+		B7,B18,B27,B38	66	100	+	+	+	+	+		+				B41,A1,A2,A23	(F-3)
Fort,Marylis	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		6602	(L-3)
Gandhi,Manis	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Gautreaux,Mi	82	???	+	+	+	+	+	+		+			B81	74	???	+	+	+	+	+		+				6602,A24	(L-3)
Hahn,Amy B.	39	???	+	+	+	+	+	+	+	+	+	+		33	???	+	+	+	+	+	+	+	+	+		A24	(L-3)
Hamdi,Nuha D	49	100	+	+	+	+	+	+	+	+	+	+		71	100	+	+	+	+	+	+		+	+	+	A24	(L-3)
Han,Hoon Dr	42	???	+	+	+	+	+	+	+	+				42	???	+	+	+	+	+	+	+				B41	(L-3)
Harville,Ter	96	???	+	+	+	+	+	+	+	+	+		2708	96	???	+	+	+	+		+	+		+	+	2708,A24	(L-3)
Hogan,Patric	???	???	+	+	+	+	+	+		+	+		B27,B81	???	???	+	+	+	+	+	+	+			+	A24,B41	(L-3)
Holdsworth,R	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		6602	(L-3)
Klein,Tirza	44	100	+	+		+	+		+		+		B81,B54,B56>	52	100	+	+	+	+		+	+				B45,B41,B55>	(L-3)
Loewenthal M	82	100	+	+		+	+		+			+	B81,B15,B56,B7	76	???	+	+		+		+		+	+		B56,B78,A1,B49	(L-3)
Loftus,Kimbe	94	???	+	+	+	+	+	+	+	+	+		B81	78	???	+	+	+	+		+	+				B45,B44,B58>	(L-3)
Maeda,Lisa	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Mah,Helen	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+			+	+		6602,8101,2708	(L-3)
McAlack-Hana	89	100	+	+	+	+	+	+	+		+			94	100	+	+	+	+	+	+	+	+				(L-3)
McCluskey,Ja	26	???	+	+	+	+	+	+	+	+	+		B27	32	???	+	+	+	+	+	+	+				6602,A24,B41	(L-3)
Meyer,Pieter	96	???		+									A1,A11,A2,A23>	82	???		+									A1,A2,B45,B62>	(L-3)
Mpuntsha,Loy	28	???	+	+	+	+	+	+	+	+				27	???	+	+	+	+	+	+	+				6602	(L-3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Pais,Maria L	???	???	+	+	+			+		+	+	+	B27,B38,B39	???	???			+		+		+	+		+	A23,A24,B37>	(L-3)
Pancoska,Car	43	100	+	+	+	+	+	+	+	+	+	+		33	100	+	+	+	+	+	+	+	+	+	+		(L-3)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Permpikul &	???	???	+	+	+	+	+	+	+	+	+		B81	???	???	+	+	+	+	+	+	+				A34,A24,B41	(L-3)
Phelan,Donna	38	???	+						+				B52,B62,B75>	33	???	+	+	+	+	+					+	2C,A9,A1,B41	(L-3)
Ramon,Daniel	93	???	+	+	+	+	+	+	+	+	+	+		92	???	+	+	+	+	+	+	+	+	+		6602	(L-3)
Rosen-Bronso	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Sage,Deborah	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		6602	(L-3)
Suciu-Foca,N	???	???	+	+	+	+	+	+	+	+	+		B27	???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Turner,E.V.	???	???	+	+	+	+	+	+	+	+	+		B27	???	???	+	+	+	+	+	+	+	+	+			(L-3)

(3) – L—Luminex, F-Flow

********** SERUM NO.1071 ********** ********** SERUM NO.1072 **********

*** 40 TYPING LABS ***			*** 40 TYPING LABS ***		
B45	95%	1.000	B7	93%	1.000
B49	95%	1.000	B60	93%	0.981
B13	90%	1.000	B13	93%	0.980
B60	88%	1.000	B61	90%	1.000
B61	88%	1.000	B27	88%	0.977
B47	85%	1.000	B81	83%	1.000
B41	83%	1.000	B47	78%	1.000
B44	83%	1.000	B48	65%	1.000
B50	83%	1.000	B73	58%	1.000
B48	50%	1.000	A66	43%	0.864
B27	23%	1.000	A24	33%	0.903
B81	15%	1.000	B41	25%	1.000
B38	10%	1.000	6602	25%	0.923
B7	8%	1.000	A1	13%	1.000
B35	8%	1.000	A23	13%	1.000
B15	5%	1.000	2708	10%	1.000
B18	5%	1.000	A2	10%	1.000
B39	5%	1.000	B45	10%	1.000
B42	5%	1.000	B49	10%	1.000
B52	5%	1.000	A9	5%	1.000
B56	5%	1.000	A68	5%	1.000
			B44	5%	1.000

*** 40 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: Luminex/Flow

********** SERUM NO. 1071 ********** ********** SERUM NO. 1072 **********

	% POS	% 8'S	B 1 3	B 6 1	B 6 0	B 4 9	B 4 1	B 2 7	B 7	B 5 0	B 4 7	B 4 5		% POS	% 8'S	B 2 7	B 1 3	B 6 1	B 6 0	B 8 1	B 7	B 4 8	B 4 0	A 6 6	A 2 4		METHOD
Cecka,J.Mich	27	50	+	+	+	+	+	+	+		+		B48,B81	32	33	+	+	+	+	+				+	A23,B45	(4)
Gandhi,Manis	???	???	+	+	+	+	+			+	+	+	B44	???	???	+		+	+						B47	(4)
Hahn,Amy B.	26	100											B21,B12,B40	49	58		+					+	+		A9,A31,A34,B51	(4)
Mah,Helen	41	100	+	+	+	+		+	+				B73,A24,B51>	48	80	+	+	+	+		+	+			CW2,CW18,B39>	(4)
Ramon,Daniel	41	???	+	+	+	+	+	+		+		+	B44,B38	53	???	+	+	+	+		+	+		+	+	B73,A23	(4)
Suciu-Foca,N	38	40	+				+						B40,B12	18	29	+	+			+			+			(4)

********** SERUM NO.1071 ********** ********** SERUM NO.1072 **********

*** 6 TYPING LABS ***

B13	83%	0.800
B41	67%	1.000
B60	67%	1.000
B61	67%	1.000
B49	67%	0.800
B27	50%	1.000
B44	33%	1.000
B45	33%	1.000
B50	33%	1.000
B47	33%	0.667
B12	33%	0.583
B40	33%	0.583
B7	33%	0.556
B38	17%	1.000
B73	17%	1.000
B21	17%	0.667
B51	17%	0.667
B52	17%	0.667
A24	17%	0.571
B48	17%	0.500
B81	17%	0.500

*** 6 TYPING LABS ***

B27	83%	0.900
B13	83%	0.750
B60	67%	1.000
B61	67%	1.000
A23	33%	1.000
A66	33%	1.000
B7	33%	1.000
B40	33%	1.000
B48	33%	1.000
A24	33%	0.818
B81	33%	0.667
A31	17%	1.000
A34	17%	1.000
B39	17%	1.000
B47	17%	1.000
B51	17%	1.000
B73	17%	1.000
CW18	17%	1.000
CW2	17%	1.000
A9	17%	0.864
B45	17%	0.500
B38	17%	0.333

*** 6 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: Antiglobulin

********** SERUM NO. 1071 ********** ********** SERUM NO. 1072 **********

	% POS	% 8'S	B 6 0	B 4 9	B 4 7	B 4 5	B 1 3	B 4 1	B 6 1	B 5 0	B 4 8	B 4 4		% POS	% 8'S	B 6 1	B 6 0	B 4 9	B 4 8	B 4 7	B 2 7	B 8 1	B 7	B 1 3	B 4 1		METHOD
Esteves-Kond	60	67	+	+	+	+	+						B27,B7	48	67	+	+	+	+	+	+		+				(5)
Hahn,Amy B.	26	???	+	+	+	+	+	+	+	+	+	+		29	???	+	+	+	+	+	+	+		+	+	B52	(5)

********** SERUM NO.1071 ********** ********** SERUM NO.1072 **********

*** 2 TYPING LABS ***

B13	100%	1.000
B45	100%	1.000
B47	100%	1.000
B49	100%	1.000
B60	100%	1.000
B27	50%	1.000
B41	50%	1.000
B44	50%	1.000
B48	50%	1.000
B50	50%	1.000
B61	50%	1.000
B7	50%	0.500

*** 2 TYPING LABS ***

B27	100%	1.000
B47	100%	1.000
B48	100%	1.000
B60	100%	1.000
B61	100%	1.000
B49	100%	0.500
B7	50%	1.000
B13	50%	1.000
B41	50%	1.000
B52	50%	1.000
B81	50%	1.000

*** 2 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: FEB 1 2012 **********

Method: Elisa

	INVESTIGATOR	DNA EXTRACT #529 (Black)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*23:15	*74:13	*07:02/26/61	*15:10/99	*03:04:02	*15:05/29	RVSSO,SBT
4691	Ajlan,Abdula	*23	*74	*07	*15	*03	*15	SSO
5133	Baker,Judy	*23	*74	*07	*15(B71)	*03(Cw10)	*15	
4345	Blasczyk,Rai	*23:15	*74:13	*07:02:01G	*15:10:01	*03:04:02	*15:05P	PCR-SBT
785	Chan,Soh Ha	*2315	*7413	*0702/35/42/44+	*1510	*0304	*1505	SBT
8021	Clark,Brenda	*23:01/04-08+	*74:01-05+	*07:02/04/10+	*15:10/37/90+	*03:02/04:01+	*15:02-06+	PCR-SSP
5219	Daniel,Dolly	*23	*74	*07	*15			PCR-SSOP,SSP
5323	Dhaliwal,J.S	*23	*74:13	*07	*15	*03	*15	PCR-SSP
5891	Du,Keming	*23:15	*74:13	*07:02/26/61	*15:10/99		*15:05/29	PCR-SBT
3766	Dunn,Paul	*23	*74:13	*07	*15:10/18/99	*03	*15	PCR-SSO,SSP
2332	Elkhalifa,Mo	*23	*74	*07	*15	*03	*15	SSP
4251	Ellis,Thomas	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05	PCR-RSSO,SBT
3135	Enczmann,J.	*23:15	*74:13	*07:02	*15:10	*03:04	*15:05	SBT,SSO,SSP
762	Fischer&Mayr	*23:15	*74:13	*07:02/44/49N/58+	*15:10	*03	*15	SSO,SSP,SBT
1694	Gottwald&Hes	*23	*74	*07	*15	*03	*15	SSP
1461	Hidajat,Mela	*23:15	*74:13	*07:02	*15:10	*03:04	*15:05	SSO,SSP
615	Holdsworth,R	*23:15	*74:13	*07:02:01G	*15:10	*03:04	*15:05:01G	SBT
745	Holman,Richa	*23:15	*74:13	*07:02	*15:10	*03:04	*15:05/29	SSO,SSP,SBT
2344	Hurley&Hartz	*23:15	*74:13	*07:02:01/02:06+	*15:10:01	*03:04:02	*15:05:01-05:03/29	SBT
794	Jaatinen,Tai	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05	SBT,SSO,SSP
797	Kato,Shunich	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05	SSO,SBT
2847	Kihara,Masaa	*23	*74	*07	*15	*03	*15	RVSSO
5096	Kwon,So Yong	*23	*74	*07	*15			SSOP
87	Land,Geoff	*23:15	*74:13	*07:02	*15:10	*03:04	*15:05	SBT,SSO,SSP
278	Lee,Jar-How	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05/29	SSP,RVSSOP
640	Lee,Kyung Wh	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05/29	PCR-SBT
1108	Linke,Robert	*23	*74	*07	*15	*03	*15	RVSSOP
13	Maeda,Lisa	*23:15	*74:13	*07:02	*15:10	*03:04	*15:05	SSP
9916	McIntyre,Joh	*23:15	*74:13	*07:02:01	*15:10:01	*03:04:02	*15:05:02/29	SBT,SSP
8042	Muncher,Lior	*23	*74:13	*07:02/87	*15:10	*03:04	*15:05	SSOP,SSP
9001	Muncher_LR	*23	*74	*07	*15	*03	*15	SSOP,SSP
8022	Olerup SSP	*23:15	*74:13	*07:02	*15:10	*03:04	*15:05	SSP
3648	Pereira,Noem	*23:15	*74:13	*07:02P//*07:26	*15:10//*15:99	*03:04	*15:05P	RSSO,SSP,SBT
3966	Permpikul&Ve	*23	*74:13	*07	*15:10	*03	*15	PCR-SSP
2400	Phelan,Donna	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05	RSSO,SSP,SBT
735	Ramon,Daniel	*23:15	*74:01	*07:02/61	*15:10	*03:04	*15:05/29	RSSO,SSP,SBT
3753	Reed,Elaine	*23:15	*74:13	*07:02/26/61	*15:10/99	*03:04	*15:05/29	SBT
3798	Reinsmoen,N	*23:15	*74:13	*07:02:01/61	*15:10:01	*03:04:02	*15:05/29	RVSSO,SBT
4948	Sage,Deborah	*23:15	*74:13	*07:02/26/61	*15:10/99	*03:04	*15:05/29	
3545	Scornik,Juan	*23:15	*74:13	*07:02/61	*15:10	*03:04	*15:05/29	SSOP,SBT
4021	Trachtenberg	*23	*74	*07	*15	*03	*15	SSO,SBT
5462	Turner,E.V.	*23:15	*74:13	*07:02:01/61	*15:10:01	*03:04:02	*15:05:02	SEQ.SSO,SSP

	INVESTIGATOR	DNA EXTRACT #530 (Black)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*30:09	*80:01	*07:02:01/61	*81:01/02	*07:02:01/50	*18:01/02	RVSSO,SBT
4691	Ajlan,Abdula	*30	*80	*07	*81	*07	*18	SSO
5133	Baker,Judy	*30	*80	*07	*81	*07	*04	
4345	Blasczyk,Rai	*30:09	*80:01	*07:02:01G	*81:01P	*07:02P	*18:01P	PCR-SBT
785	Chan,Soh Ha	*3002/09/33	*8001	*0702/42/44/49N+	*8101-03	*0702/50/66/74	*1801/02	SBT
8021	Clark,Brenda	*30:01-02:02+	*80:01	*07:02/04/07/10+	*81:01-04N	*07:02/03/10+	*18:01/02	PCR-SSP
5219	Daniel,Dolly	*30/*23	*80	*07	*81			PCR-SSOP,SSP
5323	Dhaliwal,J.S	*30:09	*80:01	*07	*81:01	*07	*18	PCR-SSP
5891	Du,Keming	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	PCR-SBT
3766	Dunn,Paul	*30:09	*80:01	*07	*81:01-05	*07	*18	PCR-SSO,SSP
2332	Elkhalifa,Mo	*30	*80	*07	*81	*07	*18	SSP
4251	Ellis,Thomas	*30:09	*80:01	*07:02:01G	*81:01:01G	*07:02:01G	*18:01:01G	PCR-RSSO,SBT
3135	Enczmann,J.	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SBT,PCR-SSO
762	Fischer&Mayr	*30:09	*80:01	*07:02/44/49N/58+	*81:01-03	*07:02/50/66/74	*18:01/02	SSO,SSP,SBT
1694	Gottwald&Hes	*30	*80	*07	*81	*07	*18	SSP
1461	Hidajat,Mela	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSO,SSP
615	Holdsworth,R	*30:09	*80:01	*07:02:01G	*81:01:01G	*07:02:01G	*18:01:01G	SBT
745	Holman,Richa	*30:09	*80:01	*07:02:01	*81:01	*07:02:01	*18:02	SSO,SSP,SBT
2344	Hurley&Hartz	*30:09	*80:01	*07:02:01/02:06+	*81:01-03	*07:02:01:01-02:01:03+	*18:01/02	SBT
794	Jaatinen,Tai	*30:09	*80:01	*07:02/61	*81:01/02/05	*07:02/50	*18:01/02	SBT,SSO,SSP
797	Kato,Shunich	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	SSO,SBT
2847	Kihara,Masaa	*30	*80	*07	*81	*07	*18	RVSSO
5096	Kwon,So Yong	*30	*80	*07	*81			SSOP
87	Land,Geoff	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SBT,SSO,SSP
278	Lee,Jar-How	*30:09	*80:01	*07:02/59/61	*81:01	*07:02	*18:02	SSP,RVSSOP
640	Lee,Kyung Wh	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	PCR-SBT
1108	Linke,Robert	*30	*80	*07	*81	*07	*18	RVSSOP
13	Maeda,Lisa	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSP
9916	McIntyre,Joh	*30:09	*80:01	*07:02:01	*81:01	*07:02:01:01	*18:02	SBT,SSP
8042	Muncher,Lior	*30:09	*80:01	*07:02	*81	*07:02	*18:02	SSOP,SSP
9001	Muncher_LR	*30	*80	*07	*81	*07	*18	SSOP,SSP
8022	Olerup SSP	*30:09	*80:01	*07:02	*81:01	*07:02/29/49/76	*18:02	SSP
3648	Pereira,Noem	*30:09	*80:01	*07:02P	*81:01P	*07:02P	*18:01P	RSSO,SSP,SBT
3966	Permpikul&Ve	*30	*80:01	*07	*81:01	*07	*18	PCR-SSP
2400	Phelan,Donna	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	RVSSO,SSP,SBT
735	Ramon,Daniel	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	RSSO,SSP,SBT
3753	Reed,Elaine	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	SBT
3798	Reinsmoen,N	*30:09	*80:01	*07:02:01/61	*81:01/02	*07:02:01/50	*18:01/02	RVSSO,SBT
4948	Sage,Deborah	*30:09	*80:01	*07:02	*81:01	*07:02/50	*18:01/02	
3545	Scornik,Juan	*30:09	*80:01	*07:02/61	*81:01/02	*07:02/50	*18:01/02	SSOP,SBT
4021	Trachtenberg	*30	*80	*07	*81	*07	*18	SSO,SBT
5462	Turner,E.V.	*30:09	*80:01	*07:02:01/61	*81:01P	*07:02:01G	*18:02	SEQ,SSO,SSP

INVESTIGATOR		DNA EXTRACT #531 (Hispanic)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*02:01:01	*02:06:01	*35:47	*52:01:02	*03	*04	RVSSO,SBT
4691	Ajlan,Abdula	*02	*02	*35	*52	*03	*04	SSO
5133	Baker,Judy	*02		*35	*52	*03(Cw9)	*04	
4345	Blasczyk,Rai	*02:01:01G	*02:06P	*35:47	*52:01:02	*03:03:01G	*04:01:01G	PCR-SBT
785	Chan,Soh Ha	*02	*0206	*3547	*5201	*03	*04	SBT
8021	Clark,Brenda	*02:01-05+		*35:19/47	*52:01/03-05+	*03:03/11-13+	*04:01:01-01:04+	PCR-SSP
5219	Daniel,Dolly	*02	*02	*35	*52			PCR-SSOP,SSP
5323	Dhaliwal,J.S	*02	*02	*35:47	*52:01	*03	*04	PCR-SSP
5891	Du,Keming	*02:01	*02:06	*35:47	*52:01	*03:03/20N/49/55+	*04:01/09N/30/82/30+	PCR-SBT
3766	Dunn,Paul	*02	*02	*35:47	*52:01	*03	*04	PCR-SSO,SSP
2332	Elkhalifa,Mo	*02		*35	*52	*03	*04	SSP
4251	Ellis,Thomas	*02:01:01G	*02:06	*35:47	*52:01	*03:03:01G	*04:01	PCR-RSSO,SBT
3135	Enczmann,J.	*02:01/01L	*02:06	*35:47	*52:01	*03:03	*04:01	SBT,SSO,SSP
762	Fischer&Mayr	*02:01/01L/09/43N+	*02:06/126	*35:47	*52:01	*03:03/62	*04:01/28/30/41	SSO,SSP,SBT
1694	Gottwald&Hes	*02		*35	*52	*03	*04	SSP
1461	Hidajat,Mela	*02:01	*02:06	*35:47	*52:01	*03:03	*04:01	SSO,SSP
615	Holdsworth,R	*02:01:01G	*02:06:01G	*35:47	*52:01	*03:03:01G	*04:01:01G	SBT
745	Holman,Richa	*02:01:01	*02:06:01	*35:47	*52:01:02	*03:03	*04:01/82	SSO,SSP,SBT
2344	Hurley&Hartz	*02:01:01:01-01:01:03+	*02:06/126	*35:47	*52:01:02	*03:03:01/20N/62	*04:01:01:01-01:01:04+	SBT,SSOP
794	Jaatinen,Tai	*02:01	*02:06	*35:47	*52:01	*03:03	*04:01	SBT,SSO,SSP
797	Kato,Shunich	*02:01/01L	*02:06	*35:47	*52:01	*03:03	*04:01/09N/30	SSO,SBT
2847	Kihara,Masaa	*02	*02	*35	*52	*03	*04	RVSSO
5096	Kwon,So Yong	*02	*02	*35	*52			SSOP
87	Land,Geoff	*02:01	*02:06	*35:19	*52:01	*03:03	*04:01	SBT,SSO,SSP
278	Lee,Jar-How	*02:01	*02:06	*35:47	*52:01	*03:03/62/83/85+	*04:01	SSP,RVSSOP
640	Lee,Kyung Wh	*02:01	*02:06	*35:47	*52:01	*03:03/20N	*04:01/09N/30/82	PCR-SBT
1108	Linke,Robert	*02	*02	*35	*52	*03	*04	RVSSOP
13	Maeda,Lisa	*02:01	*02:06	*35:47	*52:01	*03:03	*04:01	SSP
9916	McIntyre,Joh	*02:01:01:01	*02:06:01	*35:47	*52:01:02	*03:03:01	*04:01:01	SBT,SSP
8042	Muncher,Lior	*02:01/85	*02:06/85/144	*35:47	*52:01	*03:03	*04:01	SSOP,SSP
9001	Muncher_LR	*02		*35	*52	*03	*04	SSOP,SSP
8022	Olerup SSP	*02:01	*02:06/85/144	*35:47	*52:01	*03:03	*04:01	SSP
3648	Pereira,Noem	*02:01/01L	*02:06	*35:47	*52:01	*03:03	*04:01P	RSSO,SBT,SSP
3966	Permpikul&Ve	*02:01	*02:06	*35:47	*52	*03	*04	PCR-SSP
2400	Phelan,Donna	*02:01	*02:06	*35:47	*52:01	*03:03/20N	*04:01G	RSSO,SSP,SBT
735	Ramon,Daniel	*02:01	*02:06	*35:47	*52:01	*03:03	*04:01/30/82	RSSO,SSP,SBT
3753	Reed,Elaine	*02:01	*02:06	*35:47	*52:01	*03:03/04/20N/49+	*04:01/04/08-10/30/52+	SBT
3798	Reinsmoen,N	*02:01:01/01:01L	*02:06:01	*35:47	*52:01:02	*03:03:01/20N	*04:01:01/09N/30/82	RVSSO,SBT
4948	Sage,Deborah	*02:01	*02:06	*35:47	*52:01	*03:03/20N/49/55	*04:01/04/08/09N/30/82	
3545	Scornik,Juan	*02:01	*02:06	*35	*52:01	*03:03/20N	*04:01/09N/30/82	SSOP,SBT
4021	Trachtenberg	*02	*02	*35	*52	*03	*04	SSO,SBT
5462	Turner,E.V.	*02:01:01G	*02:06:01	*35:47	*52:01:02	*03:03:01	*04:01:01/30	SEQ,SSO,SSP

INVESTIGATOR		DNA EXTRACT #532 (Japanese)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*02:01:01	*26:03:01	*15	*35	*01	*04	RVSSO,SBT
4691	Ajlan,Abdula	*02	*26	*15	*35	*01	*04	SSO
5133	Baker,Judy	*02	*26	*15(B62)	*35	*01	*04	
4345	Blasczyk,Rai	*02:01:01G	*26:03:01	*15:01:01G	*35:01:01G	*01:02P	*04:01:01G	PCR-SBT
785	Chan,Soh Ha	*02	*2603	*15	*35	*01	*04	SBT
8021	Clark,Brenda	*02:01:01-01:04+	*26:03	*15:01:01-01:04+	*35:01-04:01/06+	*01:02/03+	*04:01:01-01:04+	PCR-SSP
5219	Daniel,Dolly	*02	*26	*15	*35			PCR-SSOP,SSP
5323	Dhaliwal,J.S	*02	*26:03	*15	*35	*01	*04	PCR-SSP
5891	Du,Keming	*02:01	*26:03	*15:01/05/08/15/20+	*35:01/42/14/28+	*01:02/14/17	*04:01/09N/10+	PCR-SBT
3766	Dunn,Paul	*02	*26:03/21	*15	*35	*01	*04	PCR-SSO,SSP
2332	Elkhalifa,Mo	*02		*15	*35	*01	*04	SSP
4251	Ellis,Thomas	*02:01:01G	*26:03	*15:01:01G	*35:01:01G	*01:02	*04:01	PCR-RSSO,SBT
3135	Enczmann,J.	*02:01/01L	*26:03	*15:01	*35:01	*01:02	*04:01	SBT,SSO,SSP
762	Fischer&Mayr	*02:01/01L/09/43N/66+	*26:03	*15:01/102/104/140+	*35:01/40N/57/94+	*01:02/25	*04:01/28/30/41	SSO,SSP,SBT
1694	Gottwald&Hes	*02	*26	*15	*35	*01	*04	SSP
1461	Hidajat,Mela	*02:01	*26:03	*15:01	*35:01	*01:02	*04:01	SSO,SSP
615	Holdsworth,R	*02:01:01G	*26:03	*15:01:01G	*35:01:01G	*01:02:01G	*04:01:01G	SBT
745	Holman,Richa	*02:01:01	*26:03:01	*15:01	*35:01	*01:02	*04:01/82	SSO,SSP,SBT
2344	Hurley&Hartz	*02:01:01:01-01:01:03+	*26:03:01	*15:01:01:01+	*35:01:01:01+	*01:02:01+	*04:01:01:01+	SBT
794	Jaatinen,Tai	*02:01	*26:03	*15:01	*35:01/42	*01:02	*04:01/30	SBT,SSO,SSP
797	Kato,Shunich	*02:01/01L	*26:03	*15:01/01N/05+	*35:01/14/42+	*01:02	*04:01/09N/30	SSO,SBT
2847	Kihara,Masaa	*02	*26	*15	*35	*01	*04	RVSSO
5096	Kwon,So Yong	*02	*26	*15	*35			SSOP
87	Land,Geoff	*02:01	*26:03	*15:01	*35:01	*01:02	*04:01	SBT,SSO,SSP
278	Lee,Jar-How	*02:01	*26:03	*15:01	*35:01	*01:02	*04:01	SSP,RVSSOP
640	Lee,Kyung Wh	*02:01	*26:03	*15:01	*35:01/42	*01:02	*04:01/09N/30/82	PCR-SBT
1108	Linke,Robert	*02	*26	*15	*35	*01	*04	RVSSOP
13	Maeda,Lisa	*02:01	*26:03	*15:01	*35:01	*01:02	*04:01	SSP
9916	McIntyre,Joh	*02:01:01	*26:03:01	*15:01:01:01	*35:01:01	*01:02	*04:01	SBT,SSP
8042	Muncher,Lior	*02:01/85/94N	*26:03	*15:01	*35:01	*01:02	*04:01	SSOP,SSP
9001	Muncher_LR	*02	*26	*15	*35	*01	*04	SSOP,SSP
8022	Olerup SSP	*02:01/85	*26:03	*15:01	*35:01	*01:02	*04:01	SSP
3648	Pereira,Noem	*02:01/01L	*26:03	*15:01//*15:20	*35:01P//*35:43	*01:02	*04:01P	RSSO,SSP,SBT
3966	Permpikul&Ve	*02:01	*26	*15:01	*35	*01	*04	PCR-SSP
2400	Phelan,Donna	*02:01	*26:03	*15:01/01N	*35:01/42	*01:02	*04:01G	RSSO,SSP,SBT
735	Ramon,Daniel	*02:01	*26:03	*15:01/20	*35:01/42/43	*01:02	*04:01/30/82	RSSO,SSP,SBT
3753	Reed,Elaine	*02:01	*26:03	*15:01/05/08/15/20+	*35:01/10/14/20+	*01:02/14/17	*04:01/09N/10+	SBT,RVSSO
3798	Reinsmoen,N	*02:01:01/01:01L	*26:03:01	*15:01:01/01:01N	*35:01/42	*01:02	*04:01:01/09N+	RVSSO,SBT
4948	Sage,Deborah	*02:01	*26:03	*15:01/05/08/15/20+	*35:01/10/14/20+	*01:02	*04:01/09N/30/82	
3545	Scornik,Juan	*02:01	*26:03	*15:01/01N/05/20	*35:01/14/42/43	*01:02	*04:01/09N/30/82	SSOP,SBT
4021	Trachtenberg	*02	*26	*15	*35	*01	*04	SSO,SBT
5462	Turner,E.V.	*02:01:01G	*26:03:01	*15:01:01G	*35:01P/43:01	*01:02P	*04:01P	SEQ,SSO,SSP

SUMMARY

Extract 529 (Black)

42 labs

A*23	36%	
A*23:15	62%	
A*2315	2%	
A*23	100%	TOTAL
A*74	27%	
A*74:01	2%	
A*74:13	69%	
A*7413	2%	
A*74	100%	TOTAL

42 labs

B*07	52%	
B*07:02/61	19%	
B*07:02	17%	
B*07:02:01	7%	
B*07:02:01G	5%	
B*07	100%	TOTAL
B*15	31%	
B*15:10/99	10%	
B*15:10	45%	
B*1510	2%	
B*15:10:01	12%	
B*15	100%	TOTAL

40 labs

C*03	33%	
C*03:04	48%	
C*0304	2%	
C*03:04:02	15%	
C*03	98%	TOTAL
C*15	35%	
C*15:05/29	25%	
C*15:05	25%	
C*1505	2%	
C*15:05P	5%	
C*15:05:02	5%	
C*15:05:01G	3%	
C*15	100%	TOTAL

Extract 530 (Black)

42 labs

A*30	31%	
A*30:09	69%	
A*30	100%	TOTAL
A*80	24%	
A*80:01	74%	
A*8001	2%	
A*80	100%	TOTAL

42 labs

B*07	43%	
B*07:02/61	19%	
B*07:02:01/61	7%	
B*07:02	17%	
B*07:02P	2%	
B*07:02:01	5%	
B*07:02:01G	7%	
B*07	100%	TOTAL
B*81	41%	
B*81:01/02	21%	
B*81:01	26%	
B*81:01P	7%	
B*81:01:01G	5%	
B*81	100%	TOTAL

40 labs

C*07	40%	
C*07:02/50	23%	
C*07:02	15%	
C*07:02P	5%	
C*07:02:01	7%	
C*07:02:01:01	3%	
C*07:02:01G	7%	
C*07	100%	TOTAL
C*18	25%	
C*18:01/02	35%	
Cw*1801/02	3%	
C*18:02	25%	
C*18:01P	5%	
C*18:01:01G	5%	
C*18	98%	TOTAL

Extract 531 (Hispanic)

42 labs

A*02	38%	
A*02:01	43%	
A*02:01:01	7%	
A*02:01:01:01	2%	
A*02:01:01G	10%	
A*02	100%	TOTAL
A*02	36%	
A*02:06/126	5%	
A*02:06	40%	
A*0206	2%	
A*02:06P	2%	
A*02:06:01	13%	
A*02:06:01G	2%	
A*02	100%	TOTAL

42 labs

B*35	26%	
B*35:19	5%	
B*35:47	67%	
B*3547	2%	
B*35	100%	TOTAL
B*52	29%	
B*52:01	52%	
B*5201	2%	
B*52:01:02	17%	
B*52	100%	TOTAL

40 labs

C*03	48%	
C*03:03/20N	7%	
C*03:03	30%	
C*03:03:01	8%	
C*03:03:01G	7%	
C*03	100%	TOTAL
C*04	60%	
C*04:01	25%	
C*04:01P	2%	
C*04:01:01	5%	
C*04:01:01G	8%	
C*04	100%	TOTAL

Extract 532 (Japanese)

42 labs

A*02	40%	
A*02:01/01L	10%	
A*02:01	33%	
A*02:01:01	7%	
A*02:01:01G	10%	
A*02	100%	TOTAL
A*26	24%	
A*26:03	55%	
A*2603	2%	
A*26:03:01	17%	
A*26	98%	TOTAL

42 labs

B*15	52%	
B*15:01	33%	
B*15:01:01	5%	
B*15:01:01G	10%	
B*15	100%	TOTAL
B*35	57%	
B*35:01/42	10%	
B*35:01	19%	
B*35:01P	5%	
B*35:01:01	2%	
B*35:01:01G	7%	
B*35	100%	TOTAL

40 labs

C*01	43%	
C*01:02	50%	
C*01:02P	5%	
C*01:02:01G	2%	
C*01	100%	TOTAL
C*04	60%	
C*04:01	28%	
C*04:01P	5%	
C*04:01:01G	7%	
C*04	100%	TOTAL

INVESTIGATOR	CELL NO.1441 (Caucasian)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8070 Ahn,Jaeie	*24	*68	*44	*49	*07	*12	PCR-SSP
16 Askar,Medhat	*24:02	*68:01:01	*44:05:01	*49:01:01	*07:01:01/18	*12:03:01	PCR-RSSOP,SBT
774 Cecka,J.Mich	*24	*68	*44:05/25/42/70+	*49	*07	*12	SSP,SSOP
5232 Charlton,Ron	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	SSP,SSOP
4492 Charron,D.	*24	*68	*44	*49	*07	*12	PCR-SSO
798 Claas,F.H.J.	*24:02	*68:01:01	*44:05:01	*49:01:01	*07:01:01	*12:03:01	SSP,SBT
3632 Colombe,Beth	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	SSP
5130 Costeas,Paul	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	SSP
779 Daniel,Claud	*24	*68	*44	*49	*07	*12	PCR-SSP
8052 Del Pozo,Ana	*24	*68	*44	*49	*07	*12	PCR-SSO
3766 Dunn,Paul	*24	*68	*44:05/14/25+	*49	*07	*12	SSO
5214 Eckels/CPMC	*24	*68	*44	*49	*07	*12	SSOP
4251 Ellis,Thomas	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	PCR-RVSSO,SBT
762 Fischer&Mayr	*24:02	*68:01	*44:05	*49:01	*07:01/06/18	*12:03	SBTex1-4
792 Gandhi,Manis	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	SSO,SSP
8043 Gideoni,Osna	*24	*68	*44	*49	*07	*12	SSOP,SSP
4269 Hanau,Daniel	NT						
3808 Hogan,Patric	*24	*68	*44	*49	*07	*12	
745 Holman,Richa	*24:02	*68:01	*44:05:01	*49:01:01	*07:01	*12:03	SSO,SSP,SBT
771 Israel,Shosh	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	
9003 Israel_LR	*24	*68	*44	*49	*07	*12	
859 Kamoun,Malek	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	PCR-SBT,SSP
4337 Kim,Tai-Gyu	*24:02/09N/11N/40N+	*68:01	*44	*49:01	*07:01/18/52+	*12:03/23	SBT
9000 Klein_LR	*24	*68	*44	*49	*07	*12	PCR-SSO
278 Lee,Jar-How	*24:02/102/111/114+	*68:01/56/58/59N+	*44:05/58N	*49:01/13-16	*07:01/94	*12:03	SSP,RVSSOP
6649 Lim,Young Ae	*24	*68	*44	*49	*07	*12	SSP
274 Lo,Raymundo	*24	*68	*44	*49			SSO
731 Loewenthal,R	*24:02	*68:01	*44:05:01	*49:01:01	*07:01:01/06/18	*12:03:01	SBT,SSO
759 Lopez-Cepero	*24:02/09N/11N/15+	*68:01/22/25/27+	*44:05/14/25+	*49:01/02/06/08	*07:01/06/16+	*12:03/06/07+	RVSSO
23 Mah,Helen	*24:02	*68:01	*44:05	*49:01	*07:01/06/18	*12:03	SSO
8029 Mani,Rama	*24	*68	*44	*49			PCR-SSP
206 McAlack-Hana	*24	*68	*44	*49	*07	*12	RVSSOP
8001 Rao,Prakash	*24	*68	*44	*49	*07	*12	SSP,RVSSO
3625 Rees,Tracey	*24	*68:01	*44:05	*49:01	*07	*12	PCR-SSP,SBT
5200 Reinke,Denni	*24	*68	*44	*49	*07	*12	SSP
1160 Rosen-Bronso	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	RSSO,SSP,SBT
793 Rubocki,Ron	*24	*68	*44	*49	*07	*12	SSP
3519 Semana,Gilbe	*24:02	*68:01	*44:05	*49:01	*07:01	*12:03	SSP,SBT
747 Tiercy,Jean-	*24:02	*68:01:01G	*44:05:01	*49:01:01	*07:01	*12:03	P-SSO,SSP,SBT
5451 Tilanus,Marc	*24:02:01	*68:01:01	*44:05:01	*49:01:01	*07:01:01	*12:03:01	SBT
5462 Turner,E.V.	*24:02:01G	*68:01:01G	*44:05:01	*49:01:01	*07:01:01	*12:03:01G	SEQ,SSO
3186 Watson,Narel	*24	*68	*44	*49	*07	*12	SSP

CTR	INVESTIGATOR NAME	CELL NO.1442 (Korean) A1	A2	B1	B2	C1	C2	method
8070	Ahn,Jaeie	*02	*02	*4001	*51	*03	*15	PCR-SSP
16	Askar,Medhat	*02:06:01		*40:01	*51:02:01	*03:04:01//+	*15:02:01//+	PCR-RSSOP,SBT
774	Cecka,J.Mich	*02:06+		*40:01+	*51:02/05/10/17+	*03	*15	SSP,SSOP
5232	Charlton,Ron	*02:06	*02:06	*40:01	*51:02	*03:04	*15:02	SSP,SSOP
4492	Charron_LR	*02		*40	*51	*03	*15	PCR-SSO
798	Claas,F.H.J.	*02:06:01		*40:01	*51:02:01	*03:04:01	*15:02:01	SSP,SBT
3632	Colombe,Beth	*02:06		*40:01	*51:02	*03:04	*15:02	SSP
5130	Costeas,Paul	*02:06	*02:01/06	*40:01	*51:02	*03:04/48	*15:02	SSP
779	Daniel,Claud	*02		*40(B60)	*51	*03(Cw10)	*15	PCR-SSP
8052	Del Pozo,Ana	*02	*02	*40	*5102/70	*03	*15	PCR-SSO
3766	Dunn,Paul	*02		*40:01+	*51:02/70	*03:04+	*15	SSO
5214	Eckels/CPMC	*02	*02	*40(B60)	*51	*03(Cw10)	*15	SSOP
4251	Ellis,Thomas	*02:06	*02:06	*40:01	*51:02	*03:04	*15:02	PCR-RVSSO,SBT
762	Fischer&Mayr	*02:06		*40:01	*51:02	*03:04	*15:02	SBTex1-4
792	Gandhi,Manis	*02:06		*40:01	*51:02	*03:04	*15:02	SSO,SSP
8043	Gideoni,Osna	*02		*40	*51	*03	*15	SSOP,SSP
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*02		*40	*51	*03	*15	
745	Holman,Richa	*02:06:01		*40:01	*51:02	*03:04:01	*15:02:01	SSO,SSP,SBT
771	Israel,Shosh	*02:06		*40:01	*51:02	*03:04	*15:02	
9003	Israel_LR	*02		*40	*51	*03	*15	
859	Kamoun,Malek	*02:06		*40:01	*51:02	*03:04	*15:02	PCR-SBT,SSP
4337	Kim,Tai-Gyu	*02:06/126	*02:06/126	*40:01/55/141/150+	*51:02	*03:04/100/101+	*15:07	SBT
9000	Klein_LR	*02		*40	*51	*03	*15	PCR-SSO
278	Lee,Jar-How	*02:06/126/127/170/180/184/248+		*40:01	*51:02	*03:04/100/101+	*15:02/28/33/38+	SSP,RVSSOP
6649	Lim,Young Ae	*02		*40(B60)	*51	*03	*15	SSP
274	Lo,Raymundo	*02	*02	*40	*51			SSO
731	Loewenthal,R	*02:06:01		*40:01:02	*51:02:01	*03:04/07-09	*15:02:01/07/17	SBT,SSO
759	Lopez-Cepero	*02:06/10/21/28/41+		*40:01/22N/38/42+	*51:02/70	*03:04-08+	*15:02/03/07/10+	RVSSO
23	Mah,Helen	*02:06	*02:06	*40:01	*51:02	*03:04	*15:02/13	SSO
8029	Mani,Rama	*02		*40	*51			PCR-SSP
206	McAlack-Hana	*02	*02	*40(B60)	*51:02	*03(Cw10)	*15	RVSSOP
8001	Rao,Prakash	*02		*40(B60)	*51	*03(Cw10)	*15	SSP,RVSSO
3625	Rees,Tracey	*02:06		*40:01/55/141/150+	*51	*03	*15	PCR-SSP,SBT
5200	Reinke,Denni	*02		*40(B60)	*51:02	*03(Cw10)	*15	SSP
1160	Rosen-Bronso	*02:06		*40:01	*51:02	*03:04	*15:02	RSSO,SSP,SBT
793	Rubocki,Ron	*02		*40(B60)	*51	*03(Cw10)	*15	SSP
3519	Semana,Gilbe	*02:06		*40:01	*51:02	*03:04	*15:02	SSP,SBT
747	Tiercy,Jean-	*02:06:01		*40:01:01G	*51:02:01	*03:04:01G	*15:02:01	P-SSO,SSP,SBT
5451	Tilanus,Marc	*02:06:01		*40:01:02	*51:02:01	*03:04:01	*15:02:01	SBT
5462	Turner,E.V.	*02:06:01		*40:01:01G	*51:02:01G	*03:04:01G//+	*15:02:01//+	SEQ,SSO
3186	Watson,Narel	*02		*40	*51	*03	*15	SSP

CTR	INVESTIGATOR NAME	CELL NO.1443 (Caucasian) A1	A2	B2	B1	C1	C2	method
8070	Ahn,Jaeie	*29	*30	*14	*37	*02	*08	PCR-SSP
16	Askar,Medhat	*29:02:01	*30:02:01	*14:02:01	*37:02	*02:02:02//*02:32	*08:02:01//*08:29	PCR-RSSOP,SBT
774	Cecka,J.Mich	*29	*30	*14:02-04/09+	*37:02	*02	*08	SSP,SSOP
5232	Charlton,Ron	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SSP,SSOP
4492	Charron,D.	*29	*30	*14	*37:02	*02	*08	PCR-SSO
798	Claas,F.H.J.	*29:02:01	*30:02:01	*14:02:01	*37:02	*02:02:02	*08:02:01	SSP,SBT
3632	Colombe,Beth	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SSP
5130	Costeas,Paul	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SSP
779	Daniel,Claud	*29	*30	*14(B65)	*37	*02	*08	PCR-SSP
8052	Del Pozo,Ana	*29	*30	*1402/09/16/20	*3702	*02	*08	PCR-SSO
3766	Dunn,Paul	*29	*30	*14	*37:02	*02	*08	SSO
5214	Eckels/CPMC	*29	*30	*14(B65)	*37:02	*02	*08	SSOP
4251	Ellis,Thomas	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	PCR-RVSSO,SBT
762	Fischer&Mayr	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SBTex1-4
792	Gandhi,Manis	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SSO,SSP
8043	Gideoni,Osna	*29	*30	*14	*37	*02	*08	SSOP,SSP
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*29	*30	*14	*37:02	*02	*08	
745	Holman,Richa	*29:02:01	*30:02:01	*14:02:01	*37:02	*02:02:02	*08:02:01	SSO,SSP,SBT
771	Israel,Shosh	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	
9003	Israel_LR	*29	*30	*14	*37	*02	*08	
859	Kamoun,Malek	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	PCR-SBT,SSP
4337	Kim,Tai-Gyu	*29:02/26	*30:02/33	*14:02	*37:02	*02:02/29	*08:02/52N	SBT
9000	Klein_LR	*29	*30	*14	*37	*02	*08	PCR-SSO
278	Lee,Jar-How	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SSP,RVSSOP
6649	Lim,Young Ae	*29	*30	*14	*37	*02	*08	SSP
274	Lo,Raymundo	*29	*30	*14	*37:02			SSO
731	Loewenthal,R	*29:02	*30:02:01	*14:02:01	*37:02	*02:02:02	*08:02:01	SBT,SSO
759	Lopez-Cepero	*29:01/01N/02/04+	*30:02/10/12/32+	*14:02/09/16+	*37:02	*02:02/37/38N+	*08:02/05/17/28+	RVSSO
23	Mah,Helen	*29:02/10	*30:02	*14:02	*37:02	*02:02	*08:02	SSO
8029	Mani,Rama	*29	*30	*14	*37			PCR-SSP
206	McAlack-Hana	*29	*30	*14(B65)	*37:02	*02	*08	RVSSOP
8001	Rao,Prakash	*29	*30	*14(B65)	*37	*02	*08	SSP,RVSSO
3625	Rees,Tracey	*29:02	*30:02	*14:02	*37:02	*02	*08	PCR-SSP,SBT
5200	Reinke,Denni	*29	*30	*14(B65)	*37	*02	*08	SSP
1160	Rosen-Bronso	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	RSSO,SSP,SBT
793	Rubocki,Ron	*29	*30	*14(B65)	*37	*02	*08	SSP
3519	Semana,Gilbe	*29:02	*30:02	*14:02	*37:02	*02:02	*08:02	SSP,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*29:02:01	*30:02:01	*14:02:01	*37:02	*02:02:02	*08:02:01	SBT
5462	Turner,E.V.	*29:02:01G	*30:02:01	*14:02:01	*37:02	*02:02:02/32	*08:02:01/29	SEQ,SSO
3186	Watson,Narel	*29	*30	*14	*37	*02	*08	SSP

INVESTIGATOR	CELL NO.1444 (Vietnamese)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8070 Ahn,Jaeie	*02	*11	*46	*56	*01	*04	PCR-SSP
16 Askar,Medhat	*02:07	*11:01:01	*46:01:01	*56:01:01	*01:02	*04:03	PCR-RSSOP,SBT
774 Cecka,J.Mich	*02	*11	*46	*56	*01	*04:03	SSP,SSOP
5232 Charlton,Ron	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	SSP,SSOP
4492 Charron,D.	*02	*11	*46	*56	*01	*04:03	PCR-SSO
798 Claas,F.H.J.	*02:07	*11:01:01	*46:01:01	*56:01:01	*01:02:01	*04:03	SSP,SBT
3632 Colombe,Beth	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	SSP
5130 Costeas,Paul	*02:07	*11:01/46	*46:01	*56:01/08	*01:02	*04:03	SSP
779 Daniel,Claud	*02	*11	*46	*56	*01	*04	PCR-SSP
8052 Del Pozo,Ana	*02	*11	*46	*56	*01	*04	PCR-SSO
3766 Dunn,Paul	*02	*11	*46	*56	*01	*04:03	SSO
5214 Eckels/CPMC	*02	*11	*46	*56	*01	*04:03	SSOP
4251 Ellis,Thomas	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	PCR-RVSSO,SBT
762 Fischer&Mayr	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	SBTex1-4
792 Gandhi,Manis	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	SSO,SSP
8043 Gideoni,Osna	*02	*11	*46	*56	*01	*04	SSOP,SSP
4269 Hanau,Daniel	NT						
3808 Hogan,Patric	*02	*11	*46	*56	*01	*04	
745 Holman,Richa	*02:07	*11:01:01	*46:01	*56:01	*01:02:01	*04:03	SSO,SSP,SBT
771 Israel,Shosh	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	
9003 Israel_LR	*02	*11	*46	*56	*01	*04	
859 Kamoun,Malek	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	PCR-SBT,SSP
4337 Kim,Tai-Gyu	*02:07/15N/265	*11:01/21N/69N/86+	*46:01/15N/24	*56:01/24	*01:02/25/44	*04:03	SBT
9000 Klein_LR	*02	*11	*46	*56	*01	*04	PCR-SSO
278 Lee,Jar-How	*02:07/219/265	*11:01/21N/30/32+	*46:01/23/24	*56:01/24/29	*01:02/25-31+	*04:03	SSP,RVSSOP
6649 Lim,Young Ae	*02	*11	*46	*56	*01	*04	SSP
274 Lo,Raymundo	*02	*11	*46	*56			SSO
731 Loewenthal,R	*02:07	*11:01:01	*46:01:01	*56:01:01	*01:02	*04:03	SBT,SSO
759 Lopez-Cepero	*02:01/07/09/15N/18+	*11:01-03/06/07+	*46:01/02/07N/10+	*56:01/20/24+	*01:02/03/07+	*04:03	RVSSO
23 Mah,Helen	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	SSO
8029 Mani,Rama	*02	*11	*46	*56			PCR-SSP
206 McAlack-Hana	*02	*11	*46	*56	*01	*04:03	RVSSOP
8001 Rao,Prakash	*02	*11	*46	*56	*01	*04	SSP,RVSSO
3625 Rees,Tracey	*02:07/265	*11:01	*46:01	*56:01	*01	*04	PCR-SSP,SBT
5200 Reinke,Denni	*02	*11	*46	*56	*01	*04	SSP
1160 Rosen-Bronso	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	RSSO,SSP,SBT
793 Rubocki,Ron	*02	*11	*46	*56	*01	*04	SSP
3519 Semana,Gilbe	*02:07	*11:01	*46:01	*56:01	*01:02	*04:03	SSP,SBT
747 Tiercy,Jean-	NT						
5451 Tilanus,Marc	*02:07	*11:01:01	*46:01:01	*56:01:01	*01:02	*04:03	SBT
5462 Turner,E.V.	*02:07	*11:01:01	*46:01:01	*56:01:01	*01:02:01G	*04:03	SEQ,SSO
3186 Watson,Narel	*02	*11	*46	*56	*01	*04	SSP

SUMMARY

Cell 1441 (Caucasian)

41 labs

A*24	56%
A*24:02	39%
A*24:02:01	3%
A*24:02:01G	2%
A*24	100% TOTAL
A*68	51%
A*68:01	37%
A*68:01:01	7%
A*68:01:01G	5%
A*68	100% TOTAL

41 labs

B*44	54%
B*44:05	29%
B*44:05:01	17%
B*44	100% TOTAL
B*49	51%
B*49:01	32%
B*49:01:01	17%
B*49	100% TOTAL

39 labs

C*07	64%
C*07:01	28%
C*07:01:01	8%
C*07	100% TOTAL
C*12	51%
C*12:03	36%
C*12:03:01	10%
C*12:03:01G	3%
C*12	100% TOTAL

Cell 1442 (Korean)

41 labs

A*02	54%
A*02:06	29%
A*02:06:01	17%
A*02	100% TOTAL

41 labs

B*40	51%
B*40:01	37%
B*4001	2%
B*40:01:02	5%
B*40:01:01G	5%
B*40	100% TOTAL
B*51	46%
B*51:02	39%
B*51:02:01	12%
B*51:02:01G	3%
B*51	100% TOTAL

39 labs

C*03	64%
C*03:04	26%
C*03:04:01	8%
C*03:04:01G	2%
C*03	100% TOTAL
C*15	62%
C*15:02	26%
C*15:02:01	10%
C*15:07	2%
C*15	100% TOTAL

Cell 1443 (Caucasian)

40 labs

A*29	55%
A*29:02	33%
A*29:02:01	10%
A*29:02:01G	2%
A*29	100% TOTAL
A*30	52%
A*30:02	33%
A*30:02:01	15%
A*30	100% TOTAL

40 labs

B*14	50%
B*14:02	35%
B*14:02:01	15%
B*14	100% TOTAL
B*37	27%
B*37:02	70%
B*3702	3%
B*37	100% TOTAL

38 labs

C*02	58%
C*02:02	32%
C*02:02:02	10%
C*02	100% TOTAL
C*08	58%
C*08:02	32%
C*08:02:01	10%
C*08	100% TOTAL

Cell 1444 (Vietnamese)

40 labs

A*02	57%
A*02:07	43%
A*02	100% TOTAL
A*11	57%
A*11:01	28%
A*11:01:01	15%
A*11	100% TOTAL

40 labs

B*46	55%
B*46:01	32%
B*46:01:01	13%
B*46	100% TOTAL
B*56	57%
B*56:01	30%
B*56:01:01	13%
B*56	100% TOTAL

38 labs

C*01	55%
C*01:02	37%
C*01:02:01	5%
C*01:02:01G	3%
C*01	100% TOTAL
C*04	34%
C*04:03	66%
C*04	100% TOTAL

INTERNATIONAL CELL EXCHANGE

INVESTIGATOR NAME	DAYS OLD	CELL NO.1441 VIA %	A 2 4	A 6 8	B 4 4	B 4 9	C W 7	B W 4	(CAUC) OTHERS	CELL NO.1442 VIA %	A 2	B 6 0	B 5 1	C W 3	B 4	B W 6	(KORE) OTHERS	CELL NO.1443 VIA %	A 9	A 2 0	B 3 4	B 1 7	C W 2	C 8	B W 4	B W 6	(CAUC) OTHERS	CELL NO.1444 VIA %	A 2	A 1	B 6	B 5	C W 1 0 3	B 4 6	(ASIA) OTHERS
Alonso,Anton	6	90	+	+	+	+	+			90	+	40		+			B61	90	+	+65	+	+	+				90	+	+	+	+	+W4		
Alvarez,Carr	3	100	+	+	+	+		+		90	+		+	+		+		100	+	+65				+	+	B47	100	+	+	+	+		+	
Askar,Medhat	2	95	+	+	+	+	+	+		95	+		+	+	+	+	B51V	95	+	+65	+	+	+	+	+	B37V	95	+	+	+	+	+W4	+	CW4V
Cecka,J.Mich	2	95	+	+	+	+		+		95	+	+02				+		95	+	+65				+	+		95	+	+	+	+		+	
Chan MD,Soh	4	95	+28	+	+	+	+	+		95	+	+02				+	CW8	95	+	+65	+	+	+		+		95	+	+	+22	+		+	
Charron,D. P	4	90	+	+	+	+				100	+	40	+					100	+	+	+					B47	100	+	+	+	+			
Claas,F.H.J.	6	90	+	+	+	+		+		90	+		+	+	+	+		90	+	+	+	+	+		+	+		90	+	+	+	+	+	+	
Dunk,Arthur	3	98	+28	+	+	+	+	+		98	+		+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+W6	+	
Dunn,Paul Dr	6	95	+	+	+	+		+		95	+		+	+	+	+		95	+	+65	+				+	+		95	+	+	+	+		+	
Enczmann,J.	6	98	+	+	+	+		+		98	+		+	+	+	+		98	+	+65	+				+	+		98	+	+	+	+		+	
Esteves Kond	2	98	+	+	+	+	+	+		98	+		+02	+	+	+		98	+	+65	+	+	+	+	+			98	+01	+	+	+W4	+		
Fort,Marylis	3	98	+	+	+	+		+		98	+		+	+	+	+		98	+	+	+	+			+	+		100	+	+	+	+		+	
Gideoni,Osna	7	100	+	+	+	+	+	+		95	+		+	+	+	+		100	+	+	+	+	+	+	+	+		100	+	+	+	+	+W4	+	
Gottwald,Hes	6	92	+	+	+	+	+	+		92	+		+	+	+	+		93	+	+65	+	+	+	+	+			90	+	+	+	+	+		
Hahn,Amy B.	2	99	+	+	+	+	+	+		99	+		+02	10	+	+		95	+	+	+		+	+	+	+	B47	99	+	+	+	+	+W6	+	
Harville,Ter	3	95	+	+	+	+	+	+	CW5	95	+		+02	10	+	+		95	+	+65	+	+	+	+	+			95	+	+	+	+	+W4	+	
Hirankarn MD	6	94	+28	+			+	+	B52	92	+		+	+	+	+		91	+	+	+	+			+	+		NT							
Hogan,Patric	9	90	+	+	+	+	+	+		90	+		+	+	+	+		90	+	+65	+	+	+	+	+			90	+	+	+	+	+W4	+	
Holdsworth,R	9	???	+	+	+	+		+		97	+		+B5			+	+	98	+	+65					+	+	B47V,B47	???	+	+	+	+		+	
Holman,Richa	3	98	+	+	+	+				99	+		+	+				90	+	+	+	+						98	+	+	+	+			
Israel,Shosh	6	95	+	+	+	+	+	+		95	+		+	+	+	+		95	+	+65	+	+	+	+	+			95	+	+	+	+	+W4	+	
Keown,Paul M	2	95	+	+	+	+		+		97	+		+	+		+		97	+	+	+		+		+	+		97	+	+	+	+		+	
Klein,Tirza	7	80	+	+	+	+	+	+		80	+		+	+	+	+		85	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	
Kvam,Vonnett	3	98	+28	+	+	+		+		98	+		+		+	+	B52	98	+	+65		+	+	+	+	B27		95	+	+	+	+	+W6	+	
Lardy,N.M. D	3	90	+28	+	+	+		+		90	+		+	+	+	+		90	+	+	+	+	+		+	+		90	+	+	+	+	+	+	
Loewenthal M	6	75	+28	+	+	+		+		75	+		+	+	+	+		75	+	+65	+	+	+	+	+			75	+	+	+	+	+W4	+	
Loftus,Kimbe	2	98	+	+	+	+		+		98	+		+	+		+		98	+		+				+	+	A31,B27	98	+	+	+	+		+	
Maeda,Lisa	2	100	+	+	+	+	+	+		100	+		+	+	+	+		100	+	+65	+	+	+	+	+			100	+	+	+	+	+W6	+	
Mah,Helen	3	98	+	+	+	+	+	+		98	+		+02	+	+	+		98	+	+	+		+	+	+	+	B47		98	+	+	+	+	+	+	
McAlack-Hana	2	98	+	+	+	+	+	+		98	+		+02	+	+	+		98	+	+65	+	+	+	+	+	+	B37V		98	+	+	+	+	+W4	+	
McCluskey,Ja	9	90	+28	+	+		+			90	+		+B5	+		+	CW4	90	+	+65		+	+	+	+	B47		95	+	+	+	+	+W4	+	
Meyer,Pieter	14	75		+	+	+			A2	65	+		+					75	+	+65		+	+			B8		80	+	+	+	+			CW3
Mpuntsha,Loy	6	50	+28	+	+		+			90	+		+B5			+		75	+	+	+				+			70	+	+	+	+		+	
Norin,Allen	3	99	+	+	+	+		+		99	+		+	+	+	+		99	+	+65	+			+	+			99	+	+	+	+	+	+	
Pancoska,Car	2	97	+	+	+	+	+	+		97	+		+02	10	+	+		97	+	+65	+	+	+	+	+			98	+	+	+	+	+	+	
Permpikul,Ve	6	NT								80	+		+	+		+		80	+	+	+	+			+	+		80	+.1	+	+			+	
Rees,Tracey	6	50	+	+	+	+	+	+		70	+		+	+	+	+		70	+	+65	+	+	+	+	+			60	+	+	+	+	+W4	+	
Rosen-Bronso	2	90	+	+	+	+				95	+		40	+				95	+	+	+	+						95	+	+	+	+			
Rubocki,Rona	2	98	+	+	+	+	+	+		98	+		+	+	+	+		98	+	+65	+	+	+	+	+			98	+	+	+	+	+W4	+	
Semana MD,Gi	3	99	+28	+21			+			99	+		+	+		+		99	+	+	+	+			+	+		99	+	+	+22			+	
Shai,Isaac	13	NT								80	+		+	+	+	+	A28	88	+	+	+		+	+	+	+	B47	82	+	+		+		+	B70,CW3
Stamm,Luz	3	98	+	+	+	+	+	+		98	+		+	+	+	+		98	+	+65	+	+		+	+			98	+	+	+	+	+W4	+	
Stavropoulos	4	99	+28	+	+	+		+		99	+		+	+	+	+		99	+	+	+	+	+	+	+	+		99	+	+	+	+	+W4	+	
Tiercy,Jean-	6	???	+28	+	+		+			???	+		+B5			+		NT										NT							
Tilanus,Marc	7	90	+28	+	+		+			90	+		+	+		+		90	+	+	+				+	+		90	+	+	+	+		+	
Vidan-Jeras,	6	100	+	+	+	+		+		100	+		+	+		+		100	+	+65	+				+	+		100	+	+	+	+		+	
Walter Reed	3	99	+28	+	+	+	+	+	CW5	99	+		+	+	+	+	A28	99	+	+65		+	+	+	+	B27		99	+	+	+	+	+X6	+	
Watson,Narel	15	NT								NT								NT										NT							
Wisecarver M	1	98	+28	+	+		+			98	+		+	+		+		98	+	+	+	+			+	+		98	+	+	+	+		+	

****
* SUMMARY TABLE *
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(CAUC)	(KORE)	(CAUC)	(ASIA)
**** CELL 1441 ****	**** CELL 1442 ****	**** CELL 1443 ****	**** CELL 1444 ****
(46 SAMPLES TYPED)	(48 SAMPLES TYPED)	(47 SAMPLES TYPED)	(46 SAMPLES TYPED)
A24 97.8%	A2 100.0%	A29 100.0%	A2 100.0%
(97.8%)	(100.0%)	(100.0%)	(100.0%)
A68 69.6%	B60 93.8%	A30 97.9%	A11 95.7%
A28 30.4%	B40 6.3%	(97.9%)	1101 2.2%
(100.0%)	(100.0%)		11.1 2.2%
B44 100.0%	B51 68.8%	B14 44.7%	(100.0%)
(100.0%)	B5 8.3%	B65 55.3%	B46 97.8%
B49 95.7%	5102 16.7%	(100.0%)	B56 95.7%
B21 2.2%	(93.8%)	B37 68.1%	B22 4.3%
(97.8%)	CW3 50.0%	CW2 61.7%	(100.0%)
CW7 52.2%	CW10 6.3%	CW8 53.2%	CW1 58.7%
BW4 89.1%	(56.3%)	BW4 85.1%	C403 4.3%
	BW4 89.6%	BW6 89.4%	CW4 30.4%
	BW6 89.6%		CW6 8.7%
			C4X6 2.2%
			(45.7%)
			BW6 89.1%

(OTHERS FOUND)	(OTHERS FOUND)	(OTHERS FOUND)	(OTHERS FOUND)
CW5 4.3%	A28 4.2%	B47 14.9%	CW3 4.3%
A2 2.2%	B52 2.1%	B27 6.4%	B70 2.2%
B52 2.2%	CW4 2.1%	B37V 4.3%	CW4V 2.2%
	B61 2.1%	B8 2.1%	
	CW8 2.1%	A31 2.1%	
	B51V 2.1%	B47V 2.1%	

*** 49 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: 02/01/2012 **********