

REPORT OF THE 333rd CELL EXCHANGE

MAY 7, 2008

B-Cell Line	405-406
Serum	953-956
DNA Extract	417-420
Cells	1329-1332

B-cell line Exchange

We wish to acknowledge **Nancy Goeken, University of Iowa, Iowa City, and Fu-Meei Robbins, National Institutes of Health, Bethesda,** and **Helen Bass, Jane Rowlands, and Christopher Darke, Welsh Blood Service, Pontyclun,** for their generous collaboration in offering interesting cells to type in our exchange studies.

TER-405. This Caucasian cell was R.B (1), the DRB1*1317 reference, as correctly identified by Ball and Tiercy. This same cell was previously typed as TER-351 (2004), as noted by Ball, Hahn, Lefor, Mah, Pidwell, and Tiercy.

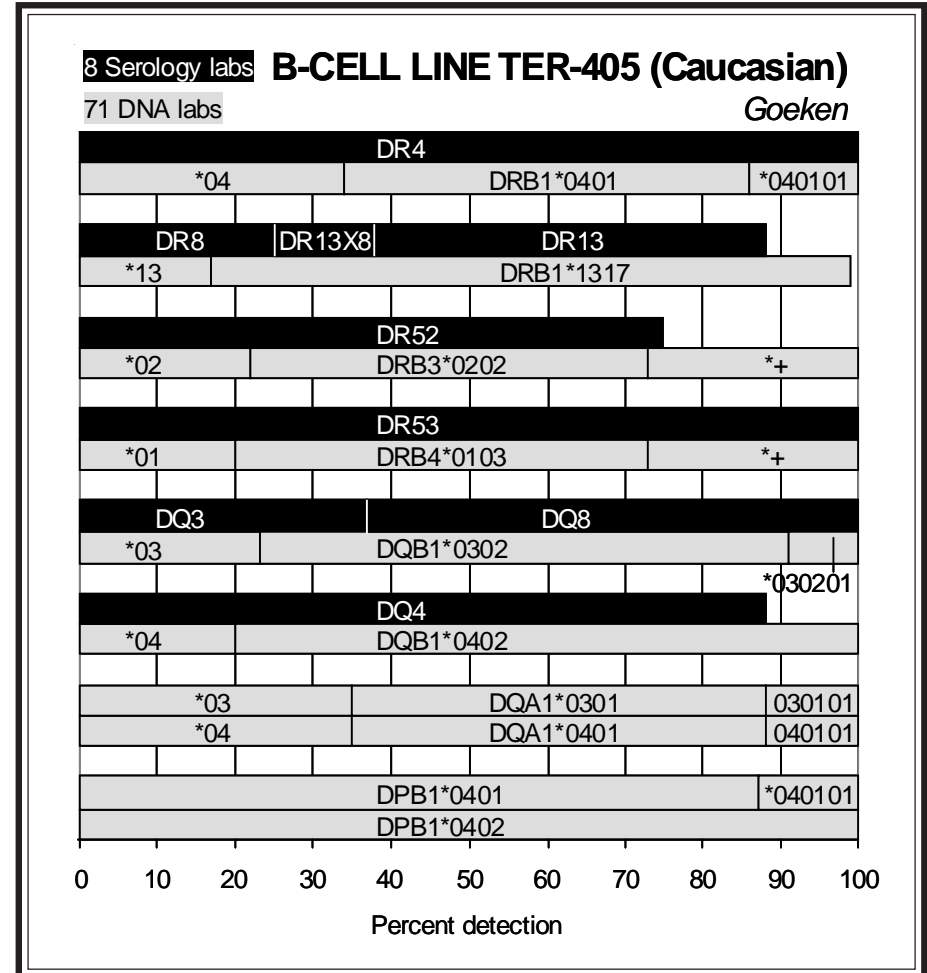
In this present retyping, DRB1*1317 was detected by 82%, nearly identical to the detection level of 81% 4 years ago. By serology, DR13 was assigned by 50% and DR8 was assigned by 2 labs. Pidwell reported DR13x8 and Hahn assigned DR8 in "Others." These conflicted assignments were in agreement with Rosenberg et al.'s original description of the expression of this allele as a recombinant DR8x13 (1). In the 2004 typing, DR13 (53%) and DR8 (41%) were reported.

DR52 was assigned by only 75%. In the previous typing, DR52 was reported by only 65%. Those labs assigning DR8 would not normally expect DR52 to be present.

The probable associations in this cell were DRB1*0401-DRB4*0103-DQB1*0302-DQA1*0301 and DRB1*1317-DRB3*0202-DQB1*0402-DQA1*0401. DQB1*0402 and DQA1*0401 are commonly found in association with DRB1*0801 and DRB1*0802. In the previous 2004 report, Lefor commented, "The apparent linkage with DQB1*0402 further implies that this is more DR8 than DR13."

Darke reported DPA1*0103/07/09, - .

DPB1*0401 and DPB1*0402 were assigned by the majority. Six labs noted that, instead of DPB1*0402, DPB1*0602 was possible. Ellis and Pidwell reported that DPB1*2301 and DPB1*5101 were possible DPB1 alleles.

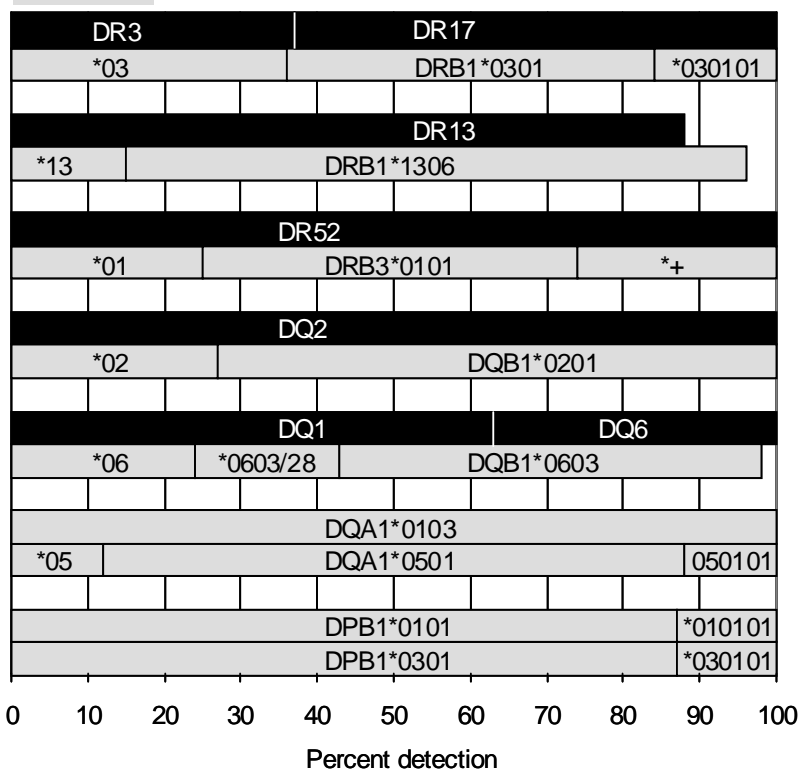


8 Serology labs

B-CELL LINE TER-406

69 DNA labs

Bass and Darke



TER- 406. This cell was TER331, as correctly identified by Ball, one of 4 reference cells for the rare DRB1*1306. It was previously typed as TER-331 in 2003. This cell is the sole DRB1*1306 typed in the Cell Exchange.

DRB1*1306 was detected by 81%, similar to the 78% detection level in 2003. DR13 was assigned by 88%.

DR3 (100%) was well typed, with DR17 reported by 63%. DNA typing confirmed the presence of DRB1*0301 (*030101) (64%).

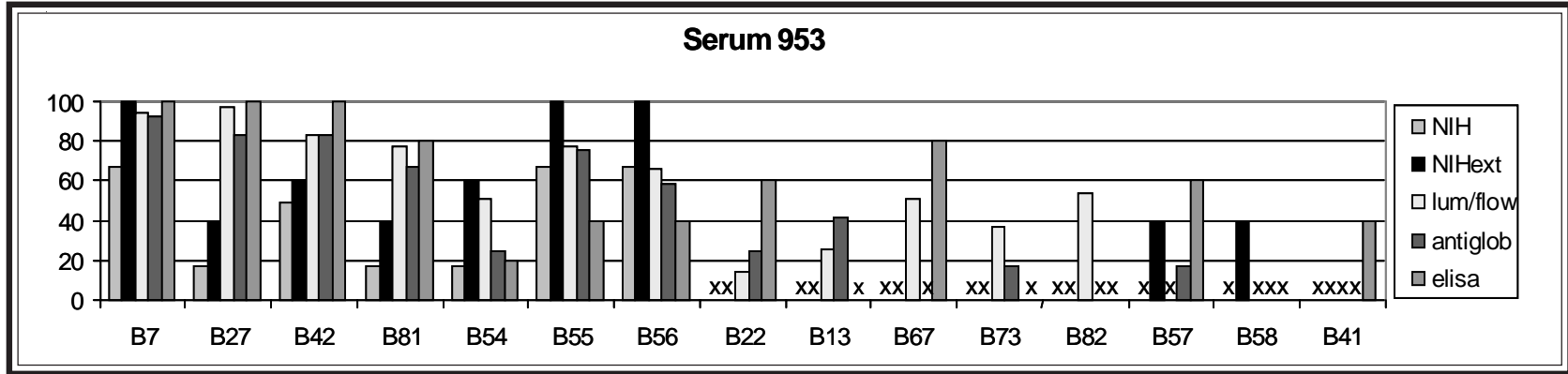
The probable haplotypes were DRB1*0301-DRB3*0101-DQB1*0201-DQA1*0501 and DRB1*1306-DRB3*0101-DQB1*0603-DQA1*0103. As mentioned in the previous report, DRB1*1306 was found associated with the same DRB3-DQB1-DQA1 types as commonly found with other DR13 types, including DRB1*1301 and DRB1*1310.

The labs typing for DPB1 alleles were in total consensus for DPB1*0101 and DPB1*0301. DPB1*2601 and DPB1*5001 were other possible DPB1 types, offered by Merenmies and Pidwell. Instead of DPB1*0301, Charron and Tiercy noted that DPB1*9201 was possible.

Serum Exchange

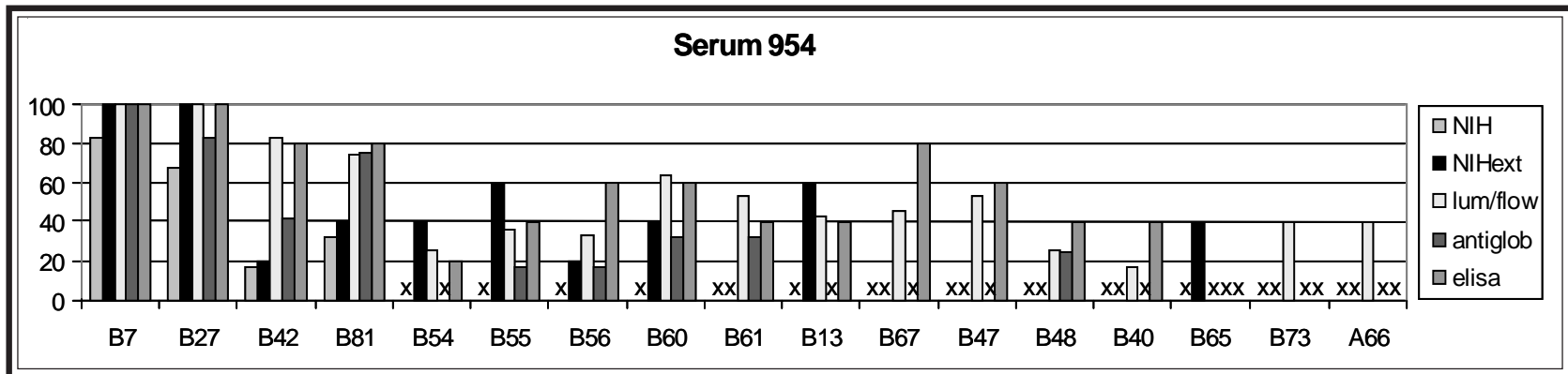
This month's study featured 4 allosera (**sera 953-956**) reactive to B7 and cross-reactive specificities, including B27, B42, B81, B22 and B40 specificities.

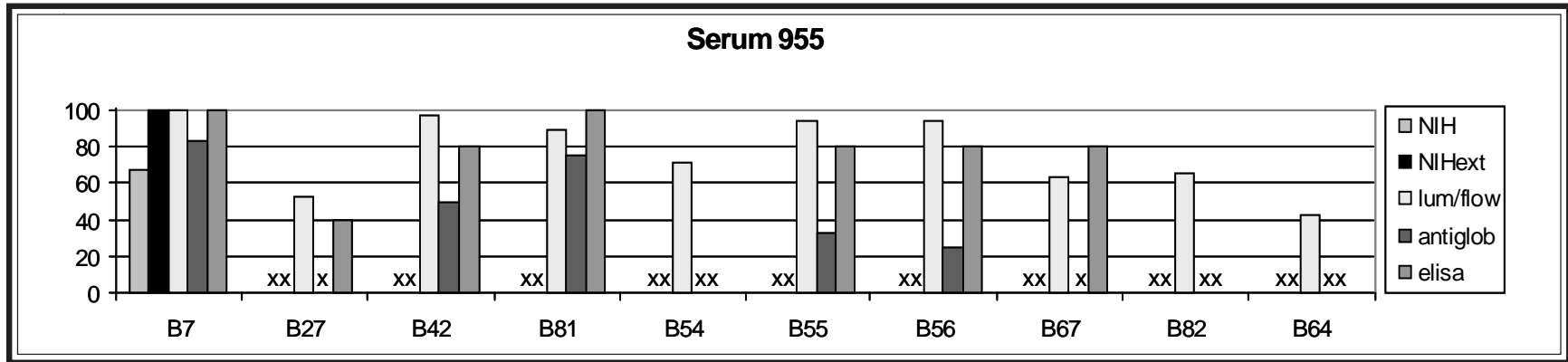
All 4 sera were determined to be strongly positive to B7 by all screening methods.



Sera 953 and 954 were determined to be positive to B7, B27, B42, B81, and B22 specificities (B54, B55, B56) by all methods, whereas for **sera 955 and 956**, the reactivity to these same specificities were more varied, depending upon which method was used.

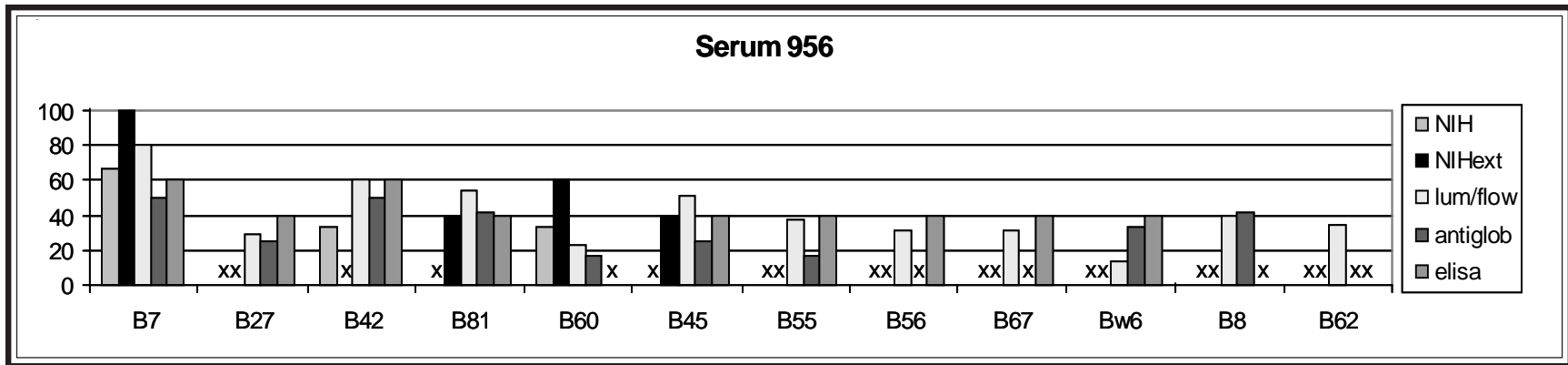
Serum 954 demonstrated additional reactivity to B40 specificities (B60, B61). This same serum sample was previously studied as sera 885 (2005) and 902 (2006).





Sera 955 and 956 were strongly reactive to only B7 by NIH. Labs using extended NIH also reported anti-B60 and -B45 reactivity. Labs using the more

sensitive assays detected additional reactivity to B27, B42, B81, and B22 specificities.



Pidwell shared the following findings, after performing PCR-RSSOP on DNA extracted from the samples, saying, "HLA-A, -B, -Cw are ranked according to the quantity of antibody binding to each of the 72 HLA-A, B, Cw single antigen beads":

953: A*02, A*23, A*29; B* unsuccessful; Cw*03? Cw*05, Cw*08?

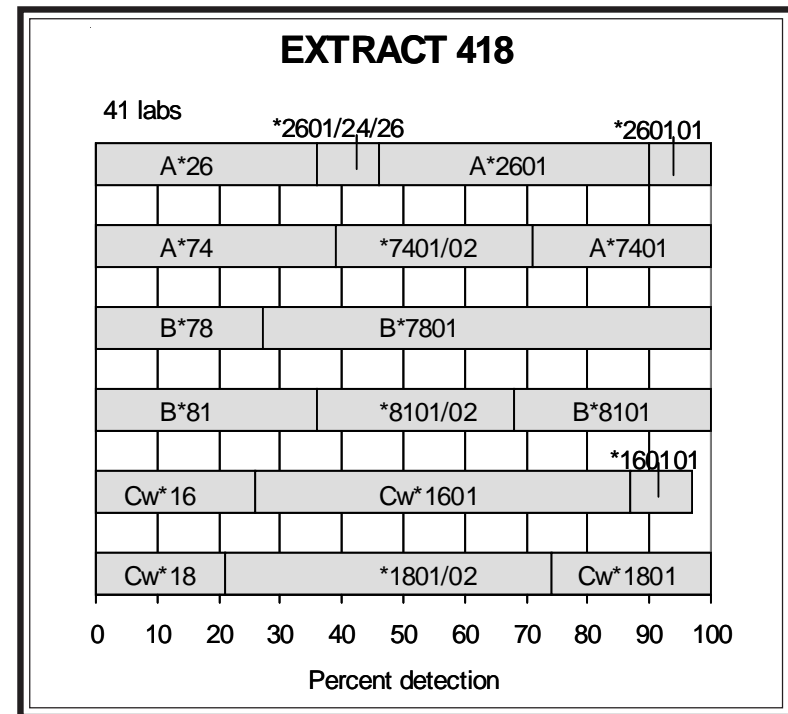
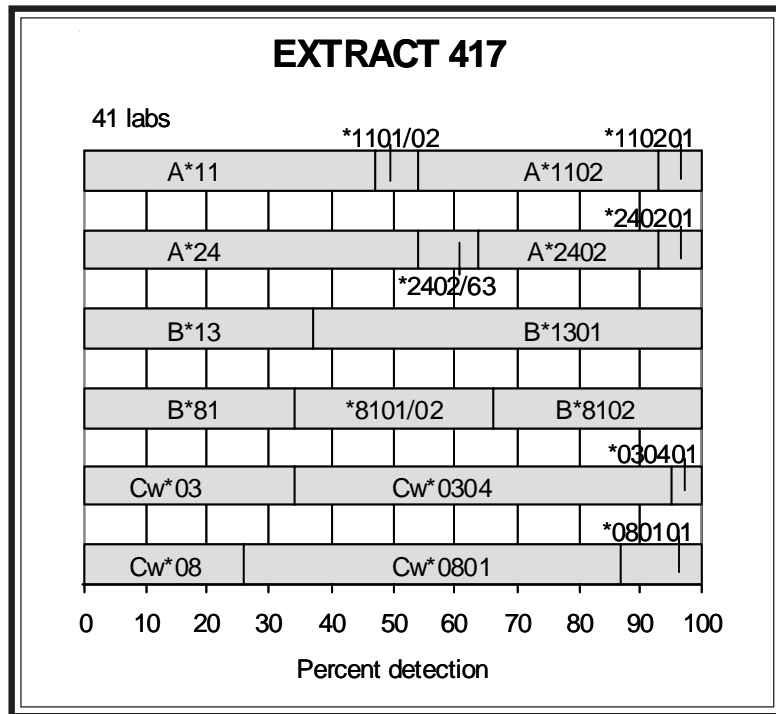
954: A*11, A*26, (plus extra reactions); B835, B*39 (plus extra rxns); Cw*03? (plus extra rxns)

955: A*02, A*30, (plus extra reactions); B*18, **B*55** (plus extra rxns); Cw*04 (plus extra rxns)

956: A*11, A*23, A*24; B*1516, **B*35** (plus extra reactions); Cw* unsuccessful

Suspected sensitizing antigens/alleles are highlighted and bold face type.

Extract Exchange



Extracts 417. The rare B*8102, as detected by 34%, was present in this cell. Another 32% reported B*8101/02. The B*81 variant was first detected in an exchange cell, cell 1157 (2003), from a Chinese donor. Fae et al. (2) described the variant as being very similar to B*8101 with identical sequences in exon 2 and 3, differing in exon 1 by 4 substitutions. The same donor was featured in a 2004 family study with an offspring, typed as cells 1217 and 1218, respectively. B*8102 was reported by 19% for cell 1217 and by 21% for cell 1218. However, B*8101 was misassigned by 17% and by 23%, respectively. The Chinese donor typed as cells 1157 and 1217 now serves as a reference B*8102 cell, TER-1157.

In this present typing of B*8102, no lab reported B*8101, thus indicating much improved standardization since 2004.

The second B-locus allele was B*1301 (63%).

Cw*0304 (66%) and Cw*0801 (74%) were the C-locus types.

A*1102 (46%) and A*2402 (36%) were the A-locus alleles.

The B-C loci associations in this cell were probably B*1301-Cw*0304 and B*8102-Cw*0801. B*1301-Cw*0304 is commonly found in Asians (3). The 2004 family of TER-1157 indicated that B*8102 was on the same haplotype with Cw*0801 and A*1101.

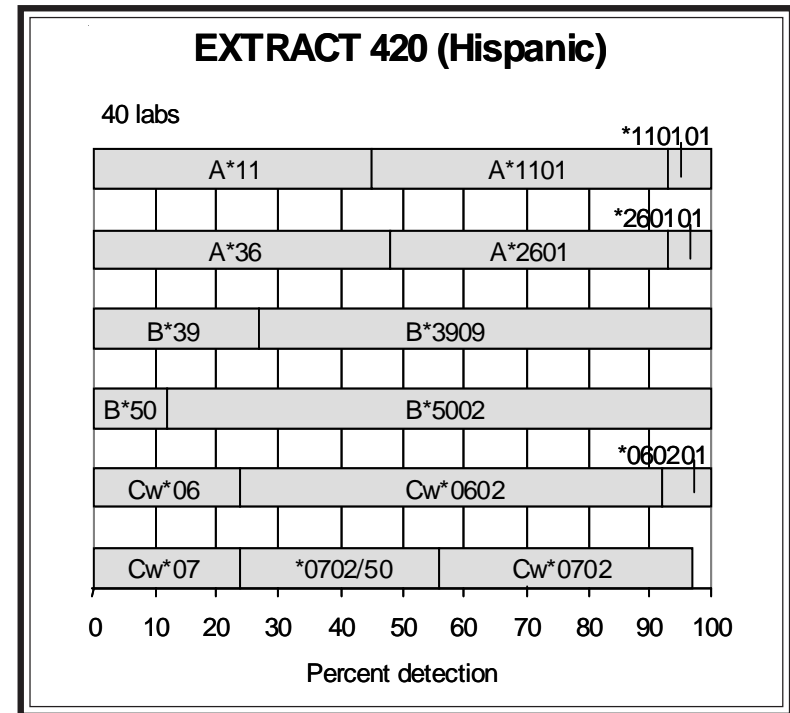
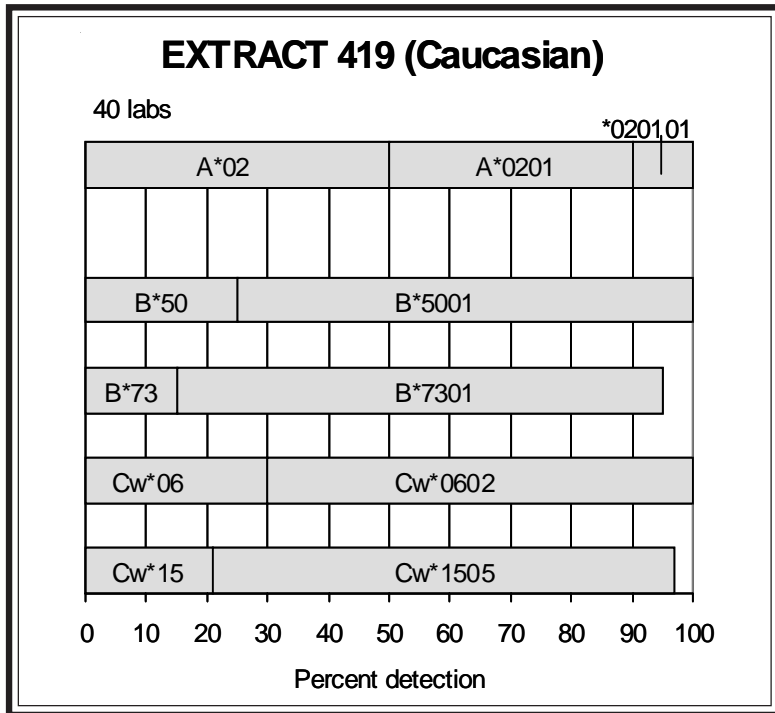
Extract 418. Although no ethnic information was available for this donor, typing results revealed alleles commonly found in Black populations, including A*7401, B*7801, B*8101, and Cw*1801.

A*7401 was detected by 29%, with another 32% assigning A*7401/02.

B*7801 (73%) was assigned by the majority.

B*8101 was reported by 32%; another 32% reported B*8101/02.

The likely associations in this cell were B*7801-Cw*1601 and B*8101-Cw*1801, found in strong linkage disequilibrium in Black donors.



Extract 419. This cell from a Caucasian donor was well typed as A*0201, B*5001, B*7301, Cw*0602, and Cw*1505.

The probable associations in this cell were B*5001-Cw*0602 and B*7301-Cw*1505. The same B*7301-Cw*1505 was present in previous B73 donors, cells 911 (Hisp) and 1073 (Cauc), as well as in extracts 30, 90, 179, and 228, all from Caucasian donor. Only cell 1057 from an Hispanic individual differed, having Cw*1502 instead of Cw*1505.

Extract 420. This cell from an Hispanic donor was previously typed as cell 1161 (2003) and 1193 (2004), as noted by Moses and Dunckley.

The rare B*3909 was detected by 73%. The following table shows the improved high-resolution detection rate for B*3909 over the years:

	cell 1161 2003 56 labs	cell 1193 2004 49 labs	extract 420 2008 40 labs
B*3909	48%	57%	73%
B*5002	93%	92%	88%

B*3909 was also typed in cells 1116 (Hisp), 1150 (Viet), 1300 (Hisp), as well as in extracts 209 (Hisp), 236, and 318 (Hisp).

B*5002 was detected by 88%. B*5002 belongs to a group of variants whose serologic expression does not match the family of alleles to which its structure fits, as documented by a number of investigators (4,5,6); in this case, the serologic expression fits that of B45.

B*3909-Cw*0702 and B*5002-Cw*0602 were the probable associations in this cell.

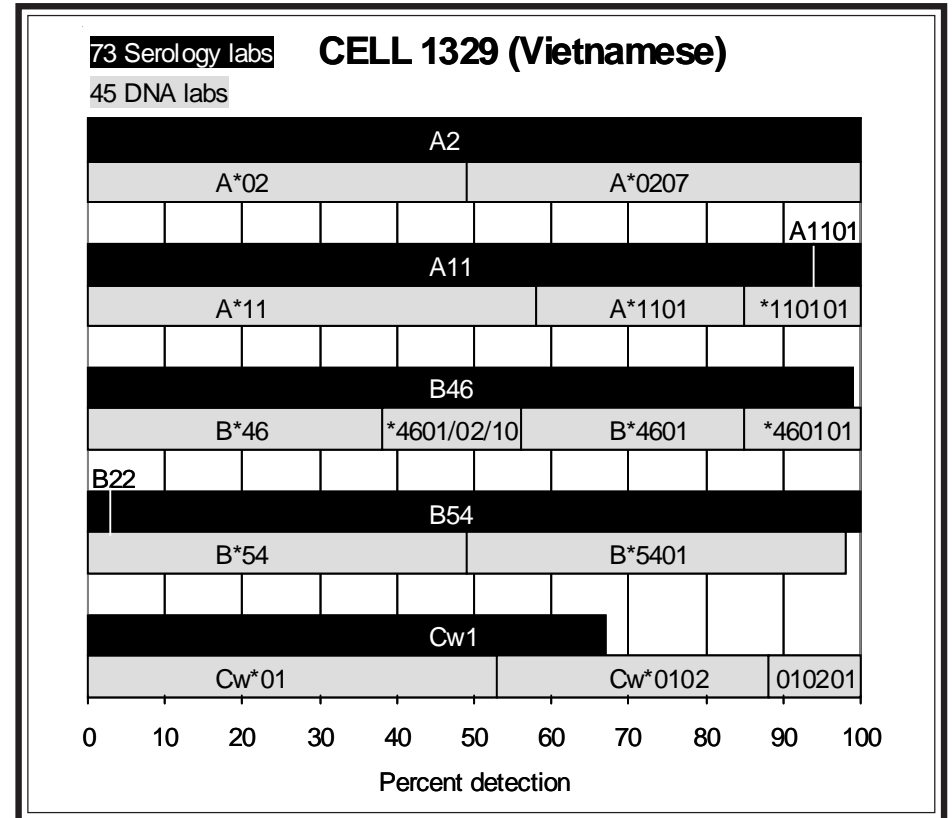
Cell Exchange

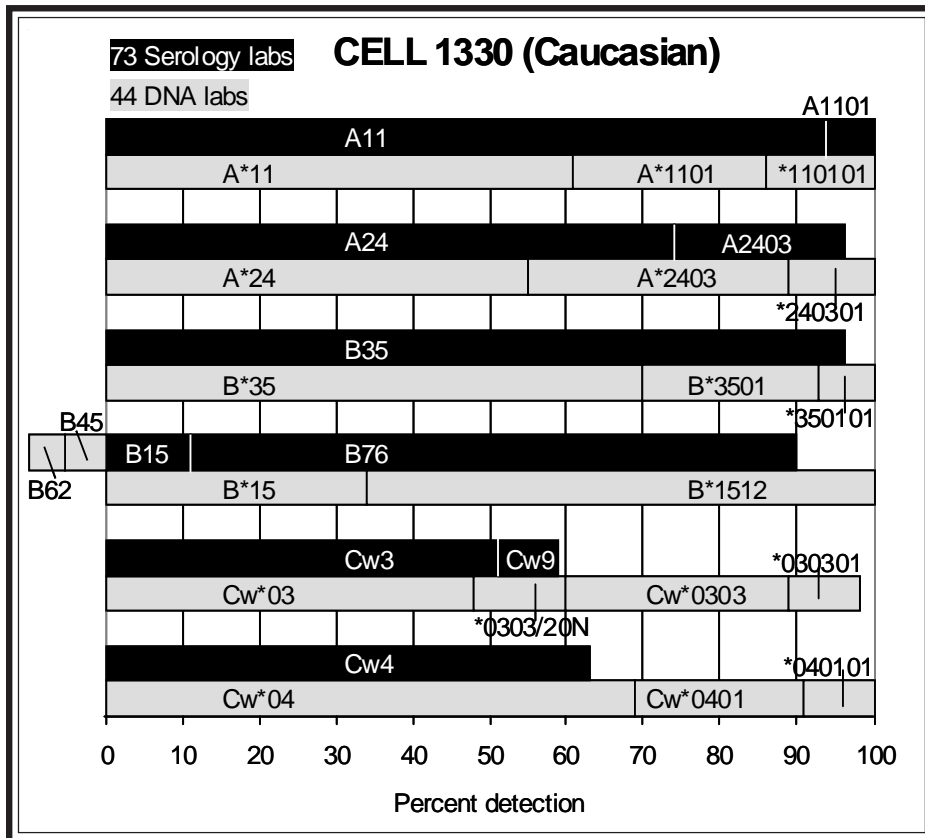
Cell 1329. This cell from a Vietnamese donor was previously typed as cells 1254 (2005) and 1287 (2006), as correctly identified by a number of labs.

B46 (99%) and B54 (97%), variants found commonly in Asian populations, were well typed, confirmed as B*4601 (44%) and B*5401 (49%), respectively.

Two associations found in strong linkage disequilibrium between B- and C-loci, B*4601-Cw*0102 and B*5401-Cw*0102, were present in this cell.

The probable haplotypes were A*0207-B*4601-Cw*0102 (HF=0.0413) and A*1101-B*5401-Cw*0102 (HF=0.0098), common haplotypes found in U.S. Asian population (3).





Cell 1330. It was somewhat unexpected to find B76 (80%) in this Caucasian cell. Holdsworth commented that observed crossreactivity with anti-B12 sera indicated the presence of B76. This was confirmed with the DNA results of B*1512 (52%), with another 30% reporting B*1512/19. Tiercy said that sequencing exon 4 discriminated B*1512 from B*1519. Cell 945 (1998) from an Hispanic donor was another non-Asian B76 exchange donor, corroborated as B*1512. B*1512 was also typed in exchange cells 837 (Thai), 945 (Chin), 1024 (Asian), and 1054 (AsIndain), and extracts 67 and 171 from Thai donors. In general, B76 is predominantly found in Asian donors.

A variant of A24 was present in this cell, as commented by Holdsworth, Pidwell, and Pollack. A2403 was reported by 22% and A24 by 74%. A*2403 was assigned by 45%.

B35 was well typed, by 96%, and verified as B*3501 (30%). Abbal noted weak reactivity with anti-B35 monoclonal antibodies.

Cw3 (59%) and Cw4 (63%) were also confirmed as Cw*0303 (38%) and Cw*0401 (31%), respectively.

The likely associations in this cell were B*1512-Cw*0303 and B*3501-Cw*0401. A*1101-B*3501-Cw*0401 is a commonly found haplotype found in U.S. Caucasians, with HF=0.0132 (3). The other haplotype was A*2403-B*1512-Cw*0303, which interestingly, was also found in B76 exchange cells 837 and 962. Cell 837 was from the same donor as THAI742, which serves as a reference for B*1512 and B*460101.

Cell 1331. This Filipino donor has been typed in the Cell Exchange a number of times, as cells 1214 (2004), 1231 (2005), and 1278 (2006), as noted by numerous labs.

B51 was detected by 92%. Shorter or weaker than normal reactivity was noted by Abbal, Darke, Lardy, Lebeck, McCluskey, Pidwell, and Pollack. B*5106 was the high-resolution type reported by 56%. B*5106 was also typed in cells 1034 (AsIndain) and 1134 (Filip), as well as in extracts 255 (Asian), 266 (AsIndain), 267 (Filip), 304 (Filip), and 404 (Filip).

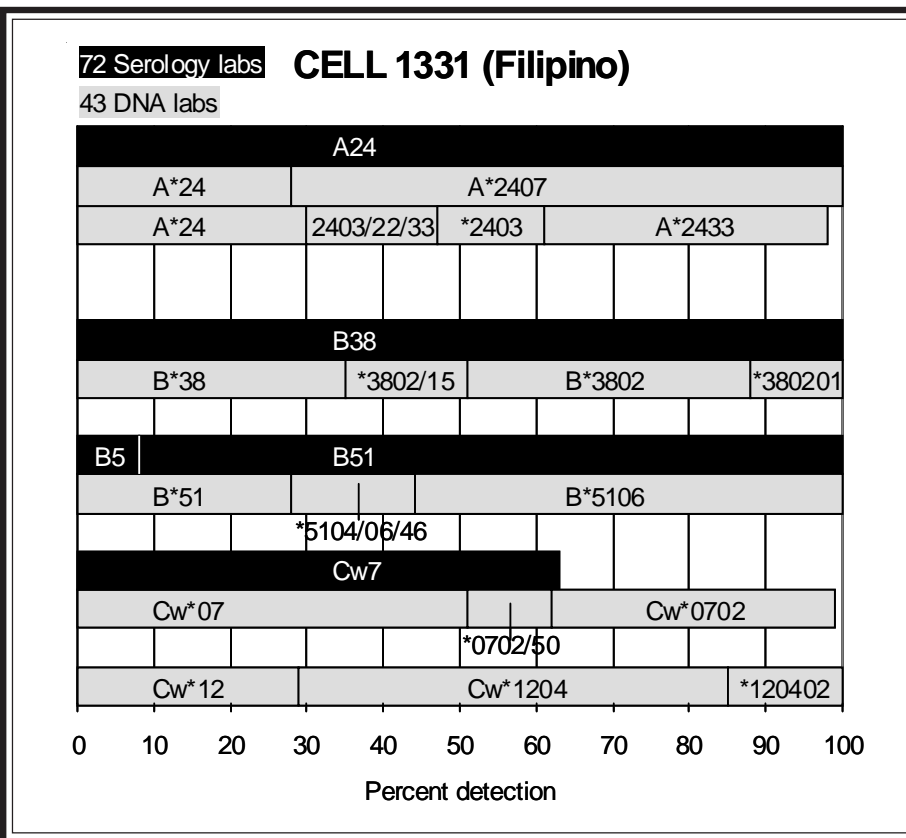
A24 was assigned by 100%. Two different A*24 alleles were present, and the following table shows the detection rates for each in the 4 typings:

	cell 1214 2004 51 labs	cell 1231 2005 43 labs	cell 1278 2006 46 labs	cell 1331 2007 43 labs
A*24	31%	37%	40%	28%
A*2402	x	x	2%	x
A*2407	69%	63%	58%	72%
A*24	53%	40%	38%	37%
A*2403/22/33	x	10%	9%	
A*2403/33	21%	16%	19%	10%
A*2403	12%	16%	4%	14%
A*2419	x	x	2%	x
A*2423	2%	x	x	x
A*2433	12%	16%	28%	37%

The high-resolution detection levels for both A*2407 and A*2433 have increased since 2004. However, a significant percentage of labs misassigned A*2403 (in italics) in this present retyping. We will continue to pursue improvement in the standardization of A*2433.

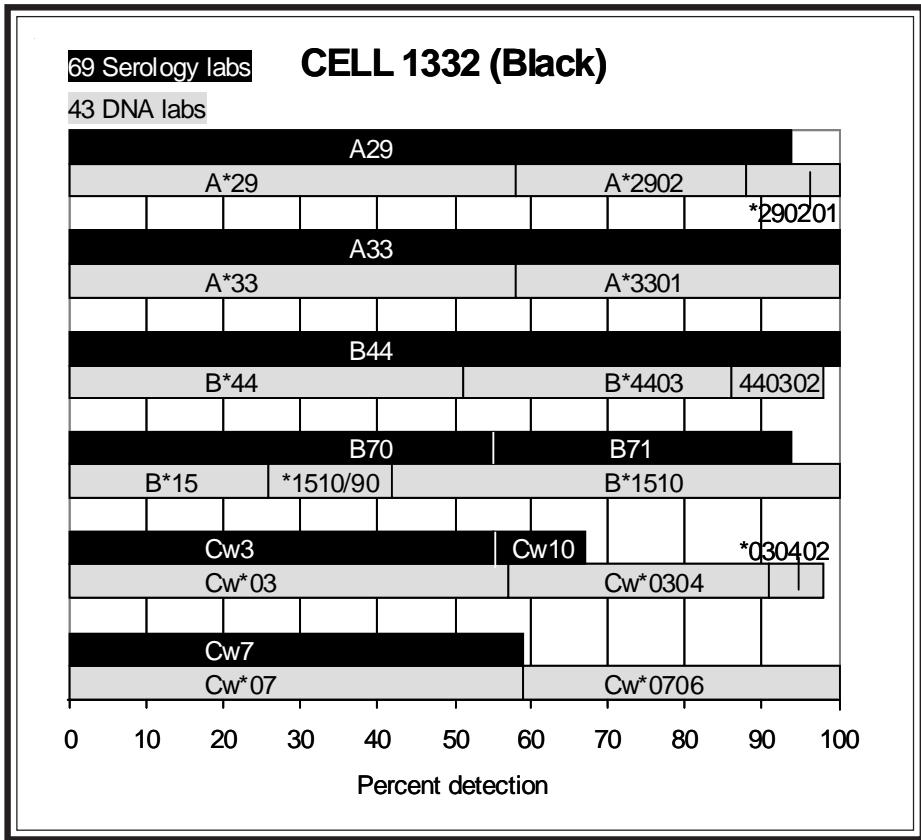
B38 was assigned in complete consensus, verified as B*3802 (49%). Holdsworth noted a shorter than normal reactivity pattern.

Cw7 (59%) was established as Cw*0702 (47%).



Cw*1204 (71%) was the second C-locus high-resolution type, in particular, Cw*120402 (15%). Cw*120402 is found in strong linkage disequilibrium with B*5106. With the exception of cell 1034, all B*5106 exchange cells were found in association with Cw*120402. Cell 1034 had the unusual B*5106-Cw*1402 association.

A*2407-B*3802-Cw*0702 and Cw*2433-B*5106-Cw*120402 were the haplotypes in this donor, confirmed by in-house family study typings.



Cell 1332. This cell from a Black donor was well typed as A29, A33, B44, B70 (B71), Cw3 (Cw10), and Cw7. The high-resolution typing was A*2902, A*3301, B*4403, B*1510, Cw*0304, Cw*0706.

B71 was assigned by 39%, with another 55% assigning B70. Cw7 was assigned by 59% and Cw*0706 was reported by 39%. Cw*0706 was previously typed in cells 981 (AsIndian), 1006 (Filip), and 1143 (Blck/Asian). The same B*4403-Cw*0706 association was found in all these donors.

Interestingly, the previous Cw*0706 donors were typed as A*3303; however, this donor had A*3301. At low-resolution, this donor's typing was similar to that of cell 1143 from a Black/Asian donor typed in 2002, as noted by several labs, differing only by the A33 subtypes.

The other B-C loci association in this cell was B*1510-Cw*0304.

References

1. Rosenberg SM, Wollenzien TF, Robbins FM et al. Yet another novel HLA DRB1 allele (DRB1*1317) and its misidentification by PCR-SSP. *Tissue Antigens* 1995;46:128.
2. Fae I, Lau M, Voorter C, et al. HLA-B*8102*, a new allele found in an external proficiency testing scheme. *Tissue Antigens* 2004;64:608.
3. Cao K, Hollenbach J, Shi X, et al. Analysis of the frequencies of HLA-A, B, and C alleles and haplotypes in the five major ethnic groups of the United States reveals high levels of diversity in these loci and contrasting distribution patterns in these populations. *Hum Immunol* 2001;62:109.
4. Darke C, Guttridge MG, Thompson J, et al. Molecular, serological and population studies on a novel HLA-B allele - HLA-B*5002. *Tissue Antigens* 1998;51:666.
5. Balas A, Santos S, Garcia-Sanchez F, et al. Characterization and distribution of HLA-B*5002 in a Spanish population sample. *Tissue Antigens* 1998;52:183.
6. Vilches C, Bunce M, de Pablo R, et al. Complete coding regions of two novel HLA-B alleles detected by phototyping (PCR-SSP) in the British Caucasoid population: B*5108 and B*5002. *Tissue Antigens* 1997;50:38.

NEXT MAILING DATE: June 11, 2008

Marie Lau, Min S. Park, J. Michael Cecka, and Elaine F. Reed

 * *
 * PARTICIPATING CENTERS *
 * *

NAME	CITY STATE/COUNTRY	NAME	CITY STATE/COUNTRY	NAME	CITY STATE/COUNTRY
(W.H.O. LABS)		Foxcroft, Z.K.	Johannesburg	Mytilineos MD, Joanni	Ulm
-----	-----	Gardiner PhD, Clair M	Dublin	Nehlsen-Cannare, Dr S	Detroit MI
Mayr, Prof W.R.	Vienna	Gautreaux, Dr Michael	Winston-Salem NC	Noreen, Harriet	Minneapolis MN
-----	-----	Gideoni, Osnat	Haifa	Norin, Dr Allen	Brooklyn NY
Abbal, Prof M.	Toulouse Cedex	Gillespie, Dr Kathlee	Bristol	Olerup, Olle	Saltsjobaden
Adams, Sharon	Bethesda MD	Gladman/Pellett,	Toronto ON	Ozawa, Mikki	Los Angeles CA
Ali, Dr M. Ashraf	Riyadh	Goggins, R.	New Haven CT	Pahl, Dr Armin	Geesthacht
Allegheny General Ho	Pittsburgh PA	Graff, Dr Ralph J.	St Louis MO	Paik MD, Young K.	Honolulu HI
Alonso, Antonio	Malaga	Grayson, Cathy	Brown Deer WI	Pais, Dr Maria Luisa	Coimbra
Alvarez & Carrett, Dr	Montevideo	Hahn PhD, Amy B.	Albany NY	Park MD, Myoung Hee	Seoul
Anthony Nolan Trust	London England	Hamdi, Dr Nuha	Riyadh	Pereira, Noemi Farah	Curitiba Paran
Baker, Judy	Dallas TX	Han, Dr Hoon	Seoul	Permpikul & Vejbaesy	Bangkok
Balazs, Ivan	Stamford CT	Harville/ACH,	Little Rock AR	Phelan, Donna	St Louis MO
Ball, Dr Edward	London ON	Henrico Doctors' Hos	Richmond VA	Pidwell PhD, Diane J.	Cleveland OH
Barnardo, Dr Martin	Oxford England	Hidajat, Dr M.	Brugge	Pollack PhD, Marilyn	San Antonio TX
Baxter-Lowe, Dr Lee A	San Francisco CA	Hirankarn MD PhD, Nat	Bangkok	Rajczyk, Dr Katalin	Budapest
Berka PhD, Nouredidine	Washington DC	Hogan, Dr Patrick	Herston QLD	Reed PhD, Elaine F.	Los Angeles CA
Blasczyk, Prof Rainer	Hannover	Holdsworth, Rhonda	South Melbourne	Reed PhD, Elaine F.	Los Angeles CA
Bow PhD, Laurine	Hartford CT	Hsu PhD, Susan H.	Philadelphia PA	Reinke MD, Dennis	Bismarck ND
Brown, Dr Colin	London England	Hubbell, Charlene	Syracuse NY	Reinsmoen PhD, Nancy	Los Angeles CA
Bunce, Dr Mike	Bromboroug, Wir	Hurley & Hartzma, Drs	Rockville MD	Rosen-Bronson PhD, Sa	Washington DC
Burger, Joe	Columbia MO	Ichikawa MD PhD, Yasu	Nishinomiya, Hy	Rosenberg MD, J.C.	Ann Arbor MI
Cantwell, Linda	Parkville	Israel, Dr Shoshana	Jerusalem	Rubocki PhD, Ronald	Scarborough ME
Carrington & Martin,	Frederick MD	Jackson, Dr Annette	Baltimore MD	Sage, Dr Deborah	London England
Cecka PhD, Michael	Los Angeles CA	Jaramillo PhD, Andres	Elmhurst IL	Sauer & Guttwald,	Lich
Chan MD, Prof Soh Ha	Singapore	Kamoun MD, Malek	Philadelphia PA	Schroeder MD, M.L.	Winnipeg MB
Charlton PhD, Ronald	Jacksonville FL	Kashiwase PhD, Koichi	Tokyo	Scornik, Dr Juan C.	Gainesville FL
Charron, Prof D.	Paris Cedex 10	Kato MD, Shunichi	Isehara, Kanaga	Semana MD PhD, Gilber	Rennes
Chen, Dr Dong-Feng	Durham NC	Keown MD, Paul	Vancouver BC	Senitzer PhD, David	Duarte CA
Choo MD, Yoon	Valhalla NY	Kim MD, Kyeong-Hee	Pusan	Seoul Red Cross Hosp	Seoul
Christiansen & Wit,	Perth - West A	Kim, Prof Tai-Gyu	Seoul	Shainberg PhD, Bracha	Rehovot
Ciccica/Williams,	San Diego CA	Klein MD, Jon	Louisville KY	Sheikh PhD, Maqsood	Springfield NJ
Claas, Prof F.H.J.	Leiden	Klein, Dr Tirza	Petach Tikva	Smith/MI,	Ann Arbor MI
Cohen, Prof Jacques	Reims	Kotsch PhD, Katja	Berlin	Snider PhD, Denis	Buffalo NY
Colombe PhD, Beth W.	Philadelphia PA	KuKuruga PhD, Debra	Baltimore MD	Spannagl, Dr Michael	Munich
Cooper MD, E. Shannon	Jefferson LA	Kusnierczyk PhD, Piot	Wroclaw	Sperry PhD, Roxanne	Phoenix AZ
Costeas, Dr Paul A.	Nicosia	Kvam, Vonnett	Waukesha WI	Stamm, Luz	Calgary AB
Crowe PhD, Deborah	Nashville TN	Land, Dr Geoffrey A.	Houston TX	Stastny MD, Peter	Dallas TX
Daniel PhD, Claude	Laval PQ	Lardy, Dr N.M.	Amsterdam	Stavropoulos-Gi, Dr C	Athens
Daniel, Dr Dolly	Tamil Nadu	Lebeck PhD, Lauralynn	San Diego CA	Suciu-Foca PhD, Nicol	New York NY
Darke, Dr Christopher	Pontyclun Wale	Lee PhD, Kyung Wha	Anyang, Kyungki	Sullivan PhD, Karen	New Orleans LA
Davidson & Poulton, D	Manchester, En	Lee, Dr Jar-How	Canoga Park CA	Tagliere, Jacque	Los Angeles CA
Davis PhD, Mary	Stamford CT	Leech MD PhD, Stephen	Philadelphia PA	Tavoularis, Dr Sofia	Ottawa ON
del Pozo, Dr Ana	Buenos Aires	Lefor PhD, W.M.	Tampa FL	Thoni MD, Deborah	Orlando FL
Dinauer, David	Brown Deer WI	Lim MD, Young Ae	Suwon	Tiercy, Dr Jean-Marie	Geneva 14
Dormoy, Dr Anne	Strasbourg	Little, Dr Ann-Margar	London England	Tilanus, Dr Marcel	Maastricht
Du PhD, Keming	Shanghai	Lo MD, Raymundo W.	Quezon City	Trachtenberg PhD, Eli	Oakland CA
Du Toit MD, Ernette	Observatory	Loewenthal MD PhD, Ro	Tel-Hashomer	Trowsdale, Prof John	Cambridge
Dunckley PhD, Heather	Sydney NSW	Lopez-Larrea PhD, Car	Oviedo	Turner PhD, E.V.	Memphis TN
Dunk, Arthur	Lauderhill FL	MacCann, Eileen	Providence RI	Tyan, Dr Dolly	Palo Alto CA
Dunn PhD, Paul	Auckland	Mah, Helen	Boston MA	Uhrberg, Dr Markus	Dusseldorf
Dunn, Dr Dale	Lubbock TX	Mani, Dr Rama	Chennai, Tamil	Varnavidou-Nico, Dr A	Nicosia
Dupont MD, Bo	New York NY	Marsh, Dr Steven	London England	Vidan-Jeras, Blanka	Ljubljana

Duquesnoy PhD,Rene	Pittsburgh	PA	Masuo,Kiyoe	Tokyo		Vilches,Dr Carlos	Madrid	
Eckels/CPMC,	San Francisco	CA	McAlack PhD,Robert	Philadelphia	PA	Walter Reed Army Med	Washington	DC
Eckels/Utah,	Salt Lake City	UT	McAlack-Balasub,	Philadelphia	PA	Ward & Osowski,	Hyattsville	MD
Elkhalifa MD PhD,Moh	Riyadh		McCluskey,Prof James	Adelaide		Wassmuth,Prof Ralf	Dresden	
Ellis PhD,Thomas	Milwaukee	WI	McIntyre PhD,John A.	Beech Grove	IN	Watkins PhD,David I.	Madison	WI
Esquenazi PhD,Violet	Miami	FL	Merenmies MD PhD,Jus	Helsinki		Wetmore,Marilyn	Allentown	PA
Esteves Kondo,Debra	Canoga Park	CA	Middleton,Prof Derek	Belfast		Wiltbank & Endres,Dr	Tempe	AZ
Esteves-Kondo,Debra	Canoga Park	CA	Miller,Dr Joshua	Miami	FL	Wisecarver PhD,James	Omaha	NE
Fernandez-Vina PhD,M	Houston	TX	Montague,Bridget	Leeds England		Yamamori PhD,Shunji	Tokyo	
Fischer,Dr Johannes	Dusseldorf		Moore MD,S.Breannndan	Rochester	MN	Yu_Neng/ARC,	Dedham	MA
Fotino MD,Marilena	New York	NY	Murad,Dr Shahnaz	Kuala Lumpur		Zachary PhD,Andrea	Baltimore	MD

B-CELL LINE TER-405

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0401/72	*1317	*0202/23	*0103	*0302	*0402					P-SSP,RVSSO
5488 Adams,Sharon	*040101	*1317	*0202	*0103	*030201	*0402	*0301	*0401	*0401	*0402	SBT,RSSO,SSP
4691 Ali,M.Ashraf	*04	*13	*+	*+	*03	*04					SSOP
2300 Allegheny Ge	*04	*13	*+	*+	*03	*04					SSP
5133 Baker,Judy	*04	*13	*02	*01	*03(DQ8)	*04					RVSSO
105 Ball,Edward	*0401/72	*1317	*0202	*0103	*0302	*0402	*0301	*0401	*0401	*0402/*8201	P-SSP
2020 Barnardo,Mar	*040101	*1317	*0202/05+	*0101-07	*030201	*0402	*0301-03	*0401-04	*0401	*0402/*0602	SSP,SBT
785 Chan,Soh Ha	*0401	*1317	*+	*01	*030201	*0402	*0301-03	*0401/02+			SBT
4492 Charron,D.	*0401/63	*1317	*0202	*0103	*0302	*0402	*0301	*0401	*0401	*0402	P-SSO,SSP
3224 Chen,Dongfen	*0401	*1317	*0202	*0103	*0302	*0402					SBT,SSP,SSO
3632 Colombe,Beth	*0401	*1317	*0202	*0103	*0302	*0402					SSP
3904 Cooper,Shann	*0401	*1317	*020201+	*01030101+	*030201-0202+	*0402					P-SSP
5130 Costeas,Paul	*0401	*1317	*0202	*0103	*0302	*0402	*0301	*0401			SSP
779 Daniel,Claud	*04	*1317	*01-*03	*01010101+	*030201-0204+	*0401/02					P-SSP
5219 Daniel,Dolly	*04	*13	*+	*+	*03	*04					P-SSP
3625 Darke,Chris	*0401	*1317	*02	*01	*0302	*0402	*03	*04	*0401	*0402/*0602	P-SSP
4269 Dormoy,Anne	*040101	*1317	*020201	*0103	*0302/11	*0402			*0401	*0402	P-SSP,SBT
5891 Du,Keming	*0401	*1317	*+	*+							P-SBT
856 Dupont,Bo	*0401	*1317	*+	*+	*0302/07	*0402					RVSSO,SSP
3511 Duquesnoy,Re	*0401	*1317	*0202	*0103	*0302	*0402					RVSSOP,SSP
5214 Eckels/CPMC	*04	*1317	*02	*01	*0302	*0402					SSOP
3428 Eckels/Utah	*0401/16+	*1317									SSOP
2332 Elkhalfa,Mo	*0401/63	*1317			*0302	*0402					SSO,SSP
4251 Ellis,Thomas	*0401	*1317	*0202/12	*0101/03+	*0302	*0402			*0401+	*0402/*0602+	P-SSO,SEQ
3135 Fischer,John	*0401	*1317	*0202	*0103	*0302	*0402			*0401	*0402/*0602	P-SSP,SBT
762 Fischer/Mayr	*0401	*1317	*0202	*0103	*0302	*0402	*0301	*0401			RSSO,SSP,SBT
8043 Gideon,Osna	*0401	*1317			*0302	*0402					SSP
910 Hahn,Amy B.	*0401	*1317	*0202	*0103	*0302	*0402					SSP
2344 Hurley/Hartz	*040101	*1317			*030201	*0402					SBT,SSOP
771 Israel,Shosh	*0401	*1317			*0302	*0402					RVSSO,SSP
748 Jaramillo,An	*04	*13	*+	*+	*03(DQ8)	*04					SSP
859 Kamoun,Malek	*0401	*1317	*0202	*0103	*0302	*0402					P-SSO,SSP
797 Kato,Shunich	*0401	*1317			*0302	*0402					SSO,+SBT-DR
4864 Kim,Kyeong-H	*04	*13									P-SSOP
4337 Kim,Tai-Gyu	*0401	*1317			*0302	*0402			*0401	*0402	SBT
168 Klein,Tirza	*0401	*1317			*0302	*0402					P-SSP,SSO
278 Lee,Jar-How	*0401	*1317	*0202	*0103	*0302	*0402	*0301	*0401	*0401	*0402	SSP,RVSSOP
640 Lee,Kyung Wh	*0401	*1317			*0302	*0402	*030101	*040101			P-SBT
759 Lefor,W.M.	*0401/16+	*1317			*0302	*0402	*0301-03	*0401/02+			RVSSO
6649 Lim,Young Ae	*04	*13	*+	*+							P-SSP
274 Lo,Raymundo	*04	*13	*+	*+	*0302	*04					SSP
731 Loewenthal,R	*040101	*1317			*0302	*0402					SBT,SSO
23 Mah,Helen	*0401	*1317	*0202	*01	*0302	*0402					P-RFLP,SSP
8029 Mani,Rama	*04	*08	*+	*+	*03	*04					SSP
9916 McIntyre,Joh	*040101	*1317	*0202	*0103	*0302	*0402					SSP,SBT
794 Merenmies,Ju	*0401	*1317	*0202	*0103	*0302	*0402	*0301	*0401	*0401	*0402/*0602	SBT,SSP,SSO
792 Moore,S.Brea	*0401	*1301/17	*0202	*0103	*0302	*0402	*0301	*0401			P-SSP,SSO
5323 Murad,Shahna	*0401	*1317	*0203/08+	*0104/05+	*03(DQ8)	*04					P-SSP
774 Paik,Young K	*0401	*1317	*0202	*0103	*0302	*0402					SSP
3648 Pereira,Noem	*0401	*1317			*0302	*0402					SSP,RVSSO
3966 Permpikul&Ve	*0401	*1317	*0202	*0103	*0302	*0402					P-SSP
2400 Phelan,Donna	*0401	*1317	*02	*0103	*0302	*0402					RVSSO,SSP
16 Pidwell,Dian	*040101	*1317	*0202	*0103	*0302	*0402	*03	*04	*040101//+	*0402/*0602//+	RSSO,SSP,SBT
4689 Rajczy,Katal	*0401/72	*1317	*0202	*0103	*0302	*0402					P-SSP
3753 Reed,Elaine	*0401	*1317	*0202	*0103	*0302	*0402	*0301-03	*0401/02+			SBT,SSP,SSO
1160 Rosen-Bronso	*04	*1317	*02	*01	*0302	*0402					RSSO,SSP
793 Rubocki,Rona	*04	*13	*+	*+	*03(DQ8)	*04					P-SSP

B-CELL LINE TER-405 (Caucasian)

71 DNA LABS

71 LABS REPORTING DRB1

DRB1*04	34%
DRB1*0401	52%
DRB1*040101	14%
DRB1*04	100% TOTAL
DRB1*13	17%
DRB1*1317	82%
DRB1*13	99% TOTAL

55 LABS REPORTING DRB3

DRB3*+	27%
DRB3*0202	47%
DRB3*020201	4%
DRB3*0216	2%
DRB3*02	20%

55 LABS REPORTING DRB4

DRB4*+	27%
DRB4*0103	51%
DRB4*01030101	2%
DRB4*01	20%

8 SEROLOGY LABS

DR4	100%
DR13	50%
DR13X8	13%
DR8	25%
DR52	75%
DR53	100%

66 LABS REPORTING DQB1

DQB1*03	23%
DQB1*0302	68%
DQB1*030201	9%
DQB1*03	100% TOTAL
DQB1*04	20%
DQB1*0402	80%
DQB1*04	100% TOTAL

17 LABS REPORTING DQA1

DQA1*03	35%
DQA1*0301	53%
DQA1*030101	12%
DQA1*03	100% TOTAL
DQA1*04	35%
DQA1*0401	53%
DQA1*040101	12%
DQA1*04	100% TOTAL

16 LABS REPORTING DPB1

DPB1*0401	87%
DPB1*040101	13%
DPB1*0401	100% TOTAL
DPB1*0402	100%

DQ3	37%
DQ8	63%
DQ3	100% TOTAL
DQ4	88%

B-CELL LINE TER-406

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0301/32/34+	*1306	*0101	*0201	*0603					P-SSP,RVSSO
5488 Adams, Sharon	*030101	*1306	*0101	*020101	*060301	*0103	*0501	*0101	*0301	SBT,RSSO,SSP
4691 Ali,M.Ashraf	*03		*+	*02						SSOP
2300 Allegheny Ge	NT									
5133 Baker, Judy	*03(DR17)	*13	*01	*02	*06					RVSSO
105 Ball, Edward	*0301/34/36	*1306	*0101	*0201	*0603	*0103	*0501	*0101	*0301	P-SSP
2020 Barnardo, Mar	*0301/11/13+	*1306	*0101/03-06+	*0201	*0603	*0103	*0501	*0101	*0301/*0502	SSP
785 Chan, Soh Ha	*0301	*1306	*+	*0201	*0603	*0103	*0501/03+			SBT
4492 Charron, D.	*0301/32	*1306	*0101	*0201	*0603	*0103	*0501	*0101	*0301/*9201	P-SSO,SSP
3224 Chen, Dongfen	*0301	*1306	*0101	*0201	*0603/28					SBT,SSP,SSO
3632 Colombe, Beth	*0301	*1306	*0101	*0201	*0603					SSP
3904 Cooper, Shann	*030101/0103+	*1306	*0101	*0201	*0603/28					P-SSP
5130 Costeas, Paul	*0301/32	*1306	*0101/06	*0201	*0603	*0103	*0501			SSP
779 Daniel, Claud	*03(DR17)	*13	*01-*03	*020101-04	*06					P-SSP
5219 Daniel, Dolly	*03		*+	*02	*06					P-SSP
3625 Darke, Chris	*0301	*1306	*01	*0201	*0603	*0103	*05	*0101	*0301/*0502+	P-SSP
4269 Dormoy, Anne	NT									
5891 Du, Keming	*0301	*1306	*+							P-SBT
856 Dupont, Bo	*0301	*1306	*01,*0301	*0201/02	*0603/14					RVSSO,SSP
3511 Duquesnoy, Re	*0301	*1306	*0101	*0201	*0603					RVSSOP,SSP
5214 Eckels/CPMC	*03	*1306	*01	*02	*06					SSOP
3428 Eckels/Utah	*0301/04/13+	*1306								SSOP
2332 Elkhalfa, Mo	*0301	*1306		*0201	*0603					SSO,SSP
4251 Ellis, Thomas	*0301	*1306	*01	*0201	*0603			*0101+	*0301/*0502+	P-SSO,SEQ
3135 Fischer, John	*0301	*1306	*0101	*0201/04	*0603			*0101	*0301/*0502	P-SSP,SBT
762 Fischer/Mayr	*0301	*1306	*0101	*0201	*0603	*0103	*0501			RSSO,SSP,SBT
8043 Gideon, Osna	*0301	*1306		*0201	*0603/28					SSP
910 Hahn, Amy B.	*0301/28/32	*1306	*0101	*0201	*0603/28					SSP
2344 Hurley/Hartz	*030101	*1306		*020101	*0603					SBT,SSOP
771 Israel, Shosh	*0301	*1306		*0201	*0603					RVSSO,SSP
748 Jaramillo, An	*03(DR17)	*13	*+	*02	*06					SSP
859 Kamoun, Malek	*0301	*1306	*0101	*0201	*0603					P-SSO,SSP
797 Kato, Shunich	*0301	*1306		*0201/02/04	*0603/28					SSO,+SBT-DR
4864 Kim, Kyeong-H	*03	*13								P-SSOP
4337 Kim, Tai-Gyu	*0301	*1306		*0201	*0603			*0101	*0301	SBT
168 Klein, Tirza	*0301	*1306		*0201	*0603					P-SSP,SSO
278 Lee, Jar-How	*0301	*1306	*0101	*0201	*0603/28	*0103	*0501	*0101	*0301	SSP,RVSSOP
640 Lee, Kyung Wh	*0301	*1306		*0201	*0603	*0103	*050101			P-SBT
759 Lefor, W.M.	*0301/04/13+	*1306		*0201	*0603/28	*0103	*0501			RVSSO
6649 Lim, Young Ae	*03	*13	*+							P-SSP
274 Lo, Raymundo	*0301	*13	*+	*02	*06					SSP
731 Loewenthal, R	*030101	*1306		*0201	*0603/14					SBT,SSO
23 Mah, Helen	*0301	*1306	*0101	*0201	*0603					P-RFLP,SSP
8029 Mani, Rama	*03	*08	*+	*02	*06					SSP
9916 McIntyre, Joh	*030101	*1306	*0101	*0201	*0603					SSP,SBT
794 Merenmies, Ju	*0301	*1306	*0101	*0201	*0603	*0103	*0501	*0101+	*0301/*0502+	SBT,SSP,SSO
792 Moore, S.Brea	*0301	*1306	*0101	*0201	*0603	*0103	*0501			P-SSP,SSO
5323 Murad, Shahna	*0301/28/32+	*1306	*0101/11							P-SSP
774 Paik, Young K	*030101	*1306	*0101	*0201	*0603/28					SSP
3648 Pereira, Noem	*030101	*1306		*02	*06					SSP,RVSSO
3966 Permpikul&Ve	*0301	*1306	*0101	*0201	*0603					P-SSP
2400 Phelan, Donna	*0301	*1306	*01	*0201	*0603					RVSSO,SSP
16 Pidwell, Dian	*030101	*1306	*0101	*0201	*0603/28	*0103	*0501	*010101//+	*030101/*0502//+	RSSO,SSP,SBT
4689 Rajczy, Katal	*0301/34/36	*1306	*0101,*0202+	*0201	*0603					P-SSP
3753 Reed, Elaine	*0301	*1306	*0101	*0201	*0603	*0103	*0501			SBT,SSP,SSO
1160 Rosen-Bronso	*0301	*1306	*01	*02	*06					RVSSO,SSP
793 Rubocki, Rona	*03(DR17)	*13	*+	*02	*06					P-SSP

B-CELL LINE TER-406

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
5096 Seoul Red Cr	*03	*13								P-SSO
8042 Shainberg,Br	*0301	*1306		*0201	*0603/28					SSOP, SSP
8001 Sheikh, Maqso	*0301	*1306	*0101	*0201	*0603/28					SSP, RVSSOP
735 Smith/MI	*0301	*1306	*+	*0201	*0603/28	*0103	*0501	*0101	*0301	SSP, SSOP
746 Stamm, Luz	*0301	*1306	*01	*0201	*0603					RVSSO, SSP
13 Tagliere, Jac	*0301	*1306	*0101	*0201	*0603					SSP
747 Tiercy, Jean-	*030101	*1306	*0101	*0201	*060301			*0101	*0301	SSO, SSP, SBT
5451 Tilanus, Marc	*030101	*1306	*010102	*020101	*060301	*0103	*050101	*010101	*030101	SBT
4021 Trachtenberg	*03	*1306	*01	*0201	*06					RVSSOP
5462 Turner, E.V.	*0301	*1306	*0101	*0201	*0603			*0101	*0301	SSO, SSP, SEQ
5642 Varnavidou-N	*030101	*1306	*+	*0201	*0603					P-SSP
705 Watkins, Dav	*030101	*1306	*+	*0201-05	*0601g					P-SSP, SEQ
5670 Wetmore, Mari	*03	*13	*+	*02	*0603					SSP
2847 Yamamori, Shun	*03	*13		*02	*06					SSO, SSP

CTR DIRNAME	DR17	DR13	DR52	DQ2	DQ1	OTH1	OTH2
3904 Cooper, Shann	+	+	+	+	+		
910 Hahn, Amy B.	DR3	+	+	+	+		
4908 Kvam, Vonnet	+		+	+	+		
725 Lardy, N.M.	DR3	+	+	+	+		
54 McAlack, Robe	+	+	+	+	DQ6		
2400 Phelan, Donna	+	+	+	+	+		
16 Pidwell, Dian	DR3	+	+	+	DQ6		
793 Rubocki, Rona	+	+	+	+	DQ6		

B-CELL LINE TER-406

69 DNA LABS

69 LABS REPORTING DRB1

DRB1*03	36%
DRB1*0301	48%
DRB1*030101	16%
DRB1*03	100% TOTAL

DRB1*13	15%
DRB1*1306	81%
DRB1*13	96% TOTAL

53 LABS REPORTING DRB3

DRB3*+	26%
DRB3*0101	47%
DRB3*010102	2%
DRB3*01	25%

8 SEROLOGY LABS

DR3	37%
DR17	63%
DR3	100% TOTAL

DR13	88%
------	-----

DR52	100%
------	------

63 LABS REPORTING DQB1

DQB1*02	27%
DQB1*0201	68%
DQB1*020101	5%
DQB1*02	100% TOTAL

DQB1*06	24%
DQB1*0603/28	19%
DQB1*0603	51%
DQB1*060301	4%
DQB1*06	98% TOTAL

17 LABS REPORTING DQA1

DQA*0103	100%
DQA1*05	12%
DQA1*0501	76%
DQA1*050101	12%
DQA1*05	100% TOTAL

15 LABS REPORTING DPB1

DPB1*0101	87%
DPB1*010101	13%
DPB1*0101	100% TOTAL

DPB1*0301	87%
DPB1*030101	13%
DPB1*0301	100% TOTAL

DQ2	100%
-----	------

DQ1	63%
DQ6	37%
DQ1	100% TOTAL

***** SERUM NO. 953 ***** SERUM NO. 954 *****

		B	B	B	B	B	B	B	B	B	B			B	B	B	B	B	B	B	B	B	B			
%	%	B	4	5	2	8	5	5	6	1	2	%	%	B	2	8	4	6	6	1	5	4	6			
POS	8'S	7	2	5	7	1	6	4	7	3	2	POS	8'S	7	7	1	2	0	1	3	5	7	7	METHOD		
Turner, E.V.	???	???	+	+	+	+	+		+			B5C, B7C, B8C>	???	???	+	+	+	+						+	B7C, B5C, B12C>	(3)
Ward & Osows	67	100	+	+	+	+	+		+			B51, B52, B57>	10	100	+		+									(4)

*** 55 TYPING LABS ***

B7	91%	0.973
B42	80%	0.979
B55	75%	1.000
B27	71%	0.961
B81	69%	1.000
B56	64%	1.000
B54	38%	1.000
B67	25%	1.000
B13	24%	0.957
B22	22%	1.000
B82	20%	1.000
B73	18%	1.000
B57	15%	0.944
B60	9%	1.000
B62	9%	1.000
B39	7%	1.000
B63	7%	0.875
B8C	7%	0.843
B5C	7%	0.842
B58	7%	0.833
2708	5%	1.000
B35	5%	1.000
B41	5%	1.000
B61	5%	1.000
8201	4%	1.000
A66	4%	1.000
B17	4%	1.000
B48	4%	1.000
B7C	4%	0.819
B51	4%	0.700

*** 55 TYPING LABS ***

B7	96%	0.980
B27	89%	0.966
B81	69%	1.000
B42	56%	0.934
B60	44%	0.882
B61	38%	0.944
B13	29%	0.813
B55	27%	1.000
B47	25%	1.000
B67	24%	1.000
B56	24%	0.947
B73	22%	1.000
B48	22%	0.941
B40	16%	1.000
B54	15%	0.900
A66	11%	1.000
B22	7%	1.000
2708	5%	1.000
6602	4%	1.000
A29	4%	1.000
A80	4%	1.000
B65	4%	1.000
CW1	4%	0.909
B7C	4%	0.860
B57	4%	0.843
B58	4%	0.843
B41	4%	0.400

Methods:

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

*** 55 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: All

***** SERUM NO. 953 ***** SERUM NO. 954 *****

*** 6 TYPING LABS ***

B55	67%	1.000
B56	67%	1.000
B7	67%	0.915
B42	50%	0.818
???	17%	1.000
A74	17%	1.000
B22	17%	1.000
B54	17%	1.000
B81	17%	1.000
A30	17%	0.800
B27	17%	0.250

*** 6 TYPING LABS ***

B7	83%	0.961
B27	67%	0.857
B81	33%	1.000
???	17%	1.000
A74	17%	1.000
B42	17%	1.000
B47	17%	1.000
B73	17%	1.000
B77	17%	1.000
B56	17%	0.750
B39	17%	0.600
B41	17%	0.500
B60	17%	0.500
B13	17%	0.333

*** 6 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: NIH-std

***** SERUM NO. 953 ***** SERUM NO. 954 *****

*** 5 TYPING LABS ***

B55	100%	1.000
B56	100%	1.000
B7	100%	0.957
B42	60%	1.000
B54	60%	1.000
B27	40%	1.000
B57	40%	1.000
B81	40%	1.000
B58	40%	0.750
B49	20%	1.000
B63	20%	1.000
B51	20%	0.571

*** 5 TYPING LABS ***

B7	100%	1.000
B27	100%	0.941
B55	60%	1.000
B13	60%	0.800
B54	40%	1.000
B60	40%	1.000
B65	40%	1.000
B81	40%	1.000
A1	20%	1.000
B8	20%	1.000
B42	20%	1.000
B56	20%	1.000
B73	20%	1.000
B44	20%	0.556
B50	20%	0.500
B57	20%	0.500
B58	20%	0.500
B61	20%	0.500

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: NIH-ext

	SERUM NO. 953										SERUM NO. 954										METHOD				
	%	%	B	B	B	B	B	B	B	B	%	%	B	B	B	B	B	B	B	B					
POS	8'S	7	7	2	1	5	6	7	4	2	3	POS	8'S	7	7	2	1	0	1	7	7	3	3		
Alvarez & Ca	37	100	+	+		+						B13, B57	31	100	+	+						+		B54, B55	(F-3)
Baker, Judy	95	???	+	+	+	+	+	+	+	+	+		60	???	+	+	+	+	+	+	+	+	+	B56	(L-3)
Burger, Joe	50	100	+	+	+	+	+	+	+	+	+	B61, B60	27	100	+	+	+	+	+	+	+	+	+	B48, A66	(L-3)
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+	+	8201	???	???	+	+	+	+	+	+	+	+	+	A66	(L-3)
Choo, Yoon MD	95	100	+	+	+	+	+	+	+	+	+		58	100	+	+	+	+	+	+	+	+		B56	(L-3)
Cohen, Jacques	89	???	+	+	+	+						B22, B41	56	???	+	+	+						+	B40, B22	(L-3)
Darke, Christ	???	???	+	+	+	+	+	+	+	+	+	2708	???	???	+	+	+	+	+	+	+	+	+	2708, B48, B54	(L-3)
Dunn, Paul Ph	???	???	+	+								A31, B8, B13, B18>	???	???	+	+	+					+		A29, A43, A66, B8>	(L-3)
Eckels/CPMC,	96	???	+	+								B8, B13, B18, B35>	98	???	+	+	+					+	+	A29, A43, A66>	(LF-3)
Elkhalifa MD	93	???	+	+	+	+	+	+	+	+	+		56	???	+	+	+					+	+	B54	(L-3)
Ellis, Thomas	96	???	+	+	+	+						B22, B5, A2	80	???	+	+	+	+				+	+	B22, B40, B48	(LF-3)
Esteves-Kond	96	100	+	+	+	+	+	+	+	+	+	B13, B60, B61>	88	100	+	+	+	+						B54, B55, B56>	(F-3)
Fotino, Maril	95	100	+	+	+	+	+	+	+	+	+	8201	55	100	+	+	+	+	+	+	+	+	+	A66, B56	(L-3)
Gautreaux, Mi	94	???	+	+	+	+	+	+	+	+	+		64	???	+	+	+	+	+	+	+	+	+	B56, B55, B82	(L-3)
Gideoni, Osna	98	100	+	+	+	+	+	+	+	+	+	B22, B13, B60	86	100	+	+	+	+	+	+	+	+	+	B40, B56, A26	(L-3)
Hamdi, Nuha D	95	100	+	+	+	+	+	+	+	+	+	CW17, B63, CW15>	53	100	+	+	+	+	+	+	+	+	+	CW5, CW6, CW1>	(L-3)
Han, Hoon Dr	38	???	+	+	+	+	+	+	+	+	+	A31	45	???	+	+	+	+	+	+	+	+	+		(L-3)
Harville/ACH	???	???	+	+	+	+	+	+	+	+	+	8201	???	???	+	+	+	+				+	+	B55, A66, 8201>	(L-3)
Jaramillo, An	94	???	+	+	+	+	+	+	+	+	+	B22	72	???	+	+	+	+				+	+	B40, A29	(LF-3)
Kamoun, Malek	89	???	+	+	+	+	+	+	+	+	+	B22, B5C, B8C	62	???	+	+	+	+	+	+	+	+	+	B54, B55, B56	(L-3)
Klein, Tirza	98	100	+	+	+	+	+	+	+	+	+	B39, B45, B62	66	100	+	+	+	+	+	+	+	+	+	B40, B55	(L-3)
Loewenthal M	100	???	+	+	+	+	+	+	+	+	+	B13, A29, A26>	82	???	+	+	+	+	+	+	+	+	+	A80, B40, B53>	(L-3)
MacCann, Eile	100	???	+	+	+	+	+	+	+	+	+	B13	78	???	+	+	+	+	+	+	+	+	+	B55, B48	(L-3)
McAlack-Bala	96	100	+	+	+	+	+	+	+	+	+	B13	64	100	+	+	+	+	+	+	+	+	+	B48	(L-3)
McCluskey, Ja	98	???	+	+	+	+	+	+	+	+	+		90	???	+	+	+	+	+	+	+	+	+	B54, B48, B55>	(L-3)
Moore, S. Brea	53	???	+	+	+	+	+	+	+	+	+	2708	35	???	+	+	+	+	+	+	+	+	+	2708	(L-3)
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	6602	(L-3)
Paik, Young K	95	???	+	+	+	+	+	+	+	+	+	B17, B22	56	???	+	+	+	+	+	+	+	+	+	B22, B40, B82	(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	+	2708	???	???	+	+	+	+	+	+	+	+	+	2708, B55, A66>	(L-3)
Phelan, Donna	46	???	+	+	+	+	+	+	+	+	+	B7C, B5C, B8C>	30	???	+	+	+	+	+	+	+	+	+	A29, A66, B54>	(L-3)
Pidwell, Dian	???	???	+	+	+	+	+	+	+	+	+	8201, 8101, B63	???	???	+	+	+	+	+	+	+	+	+	8101, B48, B55	(F-3)
Rosen-Bronso	97	100	+	+	+	+	+	+	+	+	+	B35, B62, B37	56	100	+	+	+	+	+	+	+	+	+	B54, B55, B56	(F-3)
Smith/MI,	95	???	+	+	+	+	+	+	+	+	+	B8, B13, B18, B35>	60	???	+	+	+	+	+	+	+	+	+	A29, 6602, B48>	(L-3)
Suciu-Foca, N	???	???	+	+	+	+	+	+	+	+	+	B57	???	???	+	+	+	+	+	+	+	+	+	B56, A66	(L-3)
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	+	B5C, B7C, B8C>	???	???	+	+	+	+	+	+	+	+	+	B7C, B5C, B12C>	(L-3)
Ward & Osows	90	???	+	+	+	+	+	+	+	+	+		69	???	+	+	+	+	+	+	+	+	+	B55, 6602, B82>	(LF-3)

(3) - L-Luminex, F-Flow

***** SERUM NO. 953 ***** SERUM NO. 954 *****

*** 36 TYPING LABS ***

B7	94%	1.000
B27	86%	1.000
B42	83%	1.000
B55	77%	1.000
B81	77%	1.000
B56	66%	1.000
B54	51%	1.000
B67	51%	1.000
B82	43%	1.000
B73	37%	1.000
B13	26%	1.000
B22	14%	1.000
2708	11%	1.000
8201	11%	1.000
B35	11%	1.000
B37	11%	1.000
B5C	9%	1.000
B8C	9%	1.000
B8	9%	1.000
B18	9%	1.000
B38	9%	1.000
B39	9%	1.000
B41	9%	1.000
B60	9%	1.000
A31	6%	1.000
B7C	6%	1.000
B57	6%	1.000
B61	6%	1.000
B62	6%	1.000
B63	6%	1.000
CW10	6%	1.000
CW15	6%	1.000

*** 36 TYPING LABS ***

B7	100%	1.000
B27	97%	1.000
B42	83%	1.000
B81	74%	1.000
B60	63%	1.000
B47	54%	1.000
B61	54%	1.000
B67	46%	1.000
B13	43%	0.950
B73	40%	1.000
B55	37%	1.000
B56	34%	1.000
A66	29%	0.974
B48	26%	1.000
B54	26%	0.909
B40	17%	1.000
A29	17%	0.971
2708	11%	1.000
6602	11%	1.000
A80	9%	1.000
B82	9%	1.000
A43	6%	1.000
B22	6%	1.000
CW1	6%	0.909

*** 35 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: Luminex/Flow

	SERUM NO. 953										SERUM NO. 954										METHOD					
	%	%	B	B	B	B	B	B	B	B	B	%	%	B	B	B	B	B	B	B		B				
	POS	8'S	7	2	7	5	1	6	3	4	9	2	POS	8'S	7	7	1	2	1	0	8	6	5			
Baker, Judy	19	???	+	+		+							B60, B73	21	???	+	+								(4)	
Berka, Noured	88	100	+	+	+	+	+	+	+				B61, B60, A80	38	100	+	+	+	+	+	+			A66	(4)	
Cooper, E. Sh	19	0	+	+	+	+	+	+						5	0	+		+							(4)	
Dunn, Dale Dr	27	100	+	+		+	+				+		A66	17	100	+	+	+							(4)	
Eckels/CPMC,	96	???	+	+	+	+			+	+	+		B38, B41, B48	98	???	+	+	+	+	+	+	+	+	+	B13	(4)
Fotino, Maril	25	100	+			+								27	100	+	+								(4)	
Hahn, Amy B.	88	100	+	+	+			+			+		B40, B8C, B5C	31	100	+	+	+	+	+	+				B73	(4)
Klein, Jon MD	86	100	+	+	+	+	+	+	+				B57, B35	47	100	+	+	+	+	+	+	+	+	+	B41	(4)
Mah, Helen	48	92	+		+	+				+				30	83	+	+								(4)	
Paik, Young K	71	100	+	+	+		+			+	+		B62, B63, B17	38	100	+	+	+	+			+			B22	(4)
Smith/MI,	31	???	+	+	+	+	+	+		+			B73	14	???	+	+	+							(4)	
Ward & Osows	67	100	+	+	+	+	+						B51, B52, B57>	10	100	+		+							(4)	

*** 12 TYPING LABS ***

B7	92%	1.000
B27	83%	1.000
B42	83%	1.000
B55	75%	1.000
B81	67%	1.000
B56	58%	1.000
B13	42%	0.917
B22	25%	1.000
B39	25%	1.000
B54	25%	1.000
B57	17%	1.000
B60	17%	1.000
B73	17%	1.000
A66	8%	1.000
A80	8%	1.000
B17	8%	1.000
B35	8%	1.000
B38	8%	1.000
B40	8%	1.000
B41	8%	1.000
B48	8%	1.000
B51	8%	1.000
B52	8%	1.000
B58	8%	1.000
B61	8%	1.000
B62	8%	1.000
B63	8%	1.000
B8C	8%	0.944
B5C	8%	0.889

*** 12 TYPING LABS ***

B7	100%	0.962
B27	83%	1.000
B81	75%	1.000
B42	42%	0.889
B60	33%	0.909
B61	33%	0.875
B48	25%	0.800
B55	17%	1.000
B56	17%	1.000
A66	8%	1.000
B13	8%	1.000
B22	8%	1.000
B73	8%	1.000
B41	8%	0.333

*** 12 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: Antiglobulin

***** SERUM NO. 953 ***** SERUM NO. 954 *****

***** SERUM NO. 953 *****											***** SERUM NO. 954 *****											METHOD		
%	%	B	B	B	B	B	B	B	B	B	%	%	B	B	B	B	B	B	B	B				
POS	8'S	7	2	7	1	7	7	2	6	5	POS	8'S	7	7	1	7	2	0	6	7	1	5		
Esteves-Kond	88	100	+	+	+		+	+		+	+	+		+		+	+	+	+	+	B13,B54	(5)		
Hahn,Amy B.	15	???	+	+	+	+	+			+		+	+	+	+	+			+			B48	(5)	
Holdsworth,R	100	???	+	+	+	+				+	+	+			+	+	+	+	+			B48,B63	(5)	
McAlack,Robe	25	100	+	+	+	+	+	+				+	+	+	+						+		B40	(5)
Paik,Young K	45	100	+	+	+	+	+					+	+	+	+								B13,B22,B40	(5)

***** SERUM NO. 953 ***** SERUM NO. 954 *****

*** 5 TYPING LABS ***

B7	100%	1.000
B27	100%	1.000
B42	100%	1.000
B67	80%	1.000
B81	80%	1.000
B22	60%	1.000
B57	60%	1.000
B41	40%	1.000
B55	40%	1.000
B56	40%	1.000
B5C	20%	1.000
B8C	20%	1.000
B13	20%	1.000
B35	20%	1.000
B54	20%	1.000
B58	20%	1.000
B62	20%	1.000
B17	20%	0.833

*** 5 TYPING LABS ***

B7	100%	1.000
B27	100%	1.000
B42	80%	1.000
B67	80%	1.000
B81	80%	1.000
B47	60%	1.000
B56	60%	1.000
B60	60%	1.000
B13	40%	1.000
B48	40%	1.000
B55	40%	1.000
B61	40%	1.000
B40	40%	0.600
B54	20%	1.000
B63	20%	1.000
B22	20%	0.625

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: Elisa

***** SERUM NO. 955 ***** SERUM NO. 956 *****

			B	B	B	B	B	B	B	B	B		
%	%	B	8	4	5	5	5	6	8	6	2		
POS	8'S	7	1	2	6	5	4	7	2	4	7		

				B	B	B		B	B	B	B	B
%	%	B	4	8	4	B	6	5	5	6	6	
POS	8'S	7	2	1	5	8	0	5	6	2	7	

METHOD

Turner, E.V. ??? ??? + + + + + + + 8201, MULTI
 Ward & Osows 27 100 + + + +

??? ??? + + + + + + + BW6, MULTI (3)
 63 100 + + + + + + + B27, B71, B72> (4)

*** 54 TYPING LABS ***

B7	93%	0.884
B81	69%	0.960
B42	65%	0.933
B55	54%	0.985
B56	54%	0.925
B54	35%	0.958
B67	30%	0.978
B82	22%	0.974
B64	17%	1.000
B27	11%	1.000
2708	9%	1.000
B22	7%	1.000
8201	6%	1.000
A80	6%	1.000
B39	6%	0.750
A29	4%	1.000
B18	4%	0.800

*** 55 TYPING LABS ***

B7	76%	0.910
B42	51%	0.917
B81	49%	0.971
B45	35%	1.000
B8	33%	0.925
B55	29%	0.958
B60	29%	0.694
B56	27%	1.000
B62	22%	1.000
B67	18%	1.000
B61	18%	0.900
B27	18%	0.833
B35	16%	1.000
BW6	16%	0.948
B18	15%	1.000
B41	15%	0.889
B54	13%	1.000
B39	13%	0.923
B76	11%	1.000
B64	9%	1.000
B44	7%	1.000
B72	7%	1.000
B75	7%	1.000
B82	7%	1.000
B48	5%	1.000
2708	4%	1.000
8201	4%	1.000
A26	4%	1.000
A29	4%	1.000
B40	4%	1.000
B50	4%	1.000
B71	4%	1.000

Methods:

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

*** 55 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: All

***** SERUM NO. 955 ***** SERUM NO. 956 *****

*** 6 TYPING LABS ***

B7	67%	0.604
???	17%	1.000
A69	17%	1.000
A74	17%	1.000
B77	17%	1.000
B81	17%	1.000
B42	17%	0.400
B56	17%	0.200

*** 6 TYPING LABS ***

B7	67%	0.750
B60	33%	0.350
B42	33%	0.333
A74	17%	1.000
B48	17%	1.000
B77	17%	1.000
B81	17%	1.000
B41	17%	0.500

*** 6 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: NIH-std

***** SERUM NO. 955 ***** SERUM NO. 956 *****

*** 5 TYPING LABS ***

B7	100%	0.870
B18	20%	1.000

*** 5 TYPING LABS ***

B7	100%	0.957
B60	60%	0.714
B45	40%	1.000
B81	40%	1.000
A24	20%	1.000
A26	20%	1.000
B35	20%	1.000
B41	20%	1.000
B42	20%	1.000
B50	20%	1.000
B54	20%	1.000
B55	20%	1.000
B56	20%	1.000
B8	20%	0.667
B61	20%	0.500

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: NIH-ext

	SERUM NO. 955										SERUM NO. 956										METHOD						
	% POS	% 8'S	B 7	B 4	B 5	B 5	B 8	B 5	B 6	B 8	B 6	B 2	% POS	% 8'S	B 7	B 4	B 8	B 4	B 8	B 5		B 6	B 6	B 5	B 7	B 6	
Alvarez & Ca	28	50	+		+								83	???											???	(F-3)	
Baker, Judy	27	???	+	+	+	+	+	+	+	+	+	???	???												BW6, A11, B44	(L-3)	
Burger, Joe	12	100	+	+	+	+	+	+	+	+	+	33	100	+	+	+	+	+	+	+					B60, B61, B35>	(L-3)	
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	+	+	+	B75, 8201, B18	(L-3)	
Choo, Yoon MD	29	100	+	+	+	+	+	+	+	+	+	96	100	+		+	+								B44, B39, B61>	(L-3)	
Cohen, Jacques	25	???	+	+			+	+	+	+		93	???	+	+	+									B22, B82, B64>	(L-3)	
Darke, Christ	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+				+	+	+	+	+	2708, B82	(L-3)	
Dunn, Paul Ph	???	???	+	+	+	+		+			+	???	???												A1, A3, A11, A24>	(L-3)	
Eckels/CPMC,	27	???	+	+	+	+	+	+	+	+	+	99	???	+		+									A1, A3, A11, A25>	(LF-3)	
Elkhalifa MD	25	???	+	+	+	+	+	+	+	+		85	???	+					+		+	+	+		B71, B61, B72	(L-3)	
Ellis, Thomas	51	???	+	+			+	+			+	95	???	+											BW6, B12, B27>	(LF-3)	
Esteves-Kond	62	100	+	+	+	+	+					98	100	+	+	+		+		+	+	+			B18, B54, B60	(F-3)	
Fotino, Maril	20	100	+	+	+	+	+		+		+	85	100	+	+	+	+			+	+				B75, B27, 8201	(L-3)	
Gautreaux, Mi	32	???	+	+	+	+	+		+			86	???	+	+	+	+								B54, B18, B39	(L-3)	
Gideoni, Osna	46	100	+	+	+	+	+	+	+	+		100	100	+	+	+	+	+							B54, B60, B61>	(L-3)	
Hamdi, Nuha D	25	100	+	+	+	+	+		+			82	100	+						+		+			A34, B61, A31>	(L-3)	
Han, Hoon Dr	35	???	+	+	+	+		+			+	53	???	+	+						+	+			B39	(L-3)	
Harville/ACH	???	???	+	+	+	+		+		+	+	???	???	+	+	+	+	+	+	+	+	+			B27, 8201, B64	(L-3)	
Jaramillo, An	28	???	+	+			+	+	+	+	+	73	???	+		+					+	+			B75, B27, B35	(LF-3)	
Kamoun, Malek	24	???	+	+	+	+	+	+	+			82	???												A11, BW6, B44	(L-3)	
Klein, Tirza	32	100	+	+	+	+	+				+	84	100	+	+	+	+	+	+			+			B60, B61, B40	(L-3)	
Loewenthal M	42	???	+	+	+	+	+				+	98	???	+	+	+	+					+			B54, B60, A26>	(L-3)	
MacCann, Eile	60	???	+	+	+	+	+				+	96	???	+	+	+	+	+				+			B54, B18	(L-3)	
McAlack-Bala	36	100	+	+	+	+	+		+			90	100	+	+	+			+						B60, B41, B61>	(L-3)	
McCluskey, Ja	38	???	+	+	+	+	+		+			98	???	+	+	+	+	+			+				B60, B54, B72	(L-3)	
Moore, S. Brea	15	???	+	+	+	+		+	+	+		53	???	+	+	+			+	+		+			B64, B41	(L-3)	
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+			+	+		+		B75, B27, B82	(L-3)	
Paik, Young K	27	???	+	+	+	+	+	+	+			93	???												BW6	(L-3)	
Pereira, Noem	???	???	+	+	+	+	+	+	+	+		???	???	+		+			+	+	+		+		B41, B64, 2708	(L-3)	
Phelan, Donna	11	???	+	+	+	+	+	+	+	+	+	36	???												BW6, B27, B44>	(L-3)	
Pidwell, Dian	???	???	+	+	+	+	+	+	+	+		???	???	+	+		+						+		B48, 8201, B78>	(F-3)	
Rosen-Bronso	25	100	+	+	+	+	+				+	89	100	+		+	+	+	+	+					B65, B18, B35>	(F-3)	
Smith/MI,	29	???	+	+	+	+	+	+	+	+		96	???	+	+	+	+								B18, B27, B35>	(L-3)	
Suciu-Foca, N	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+			+	+				B75, B27, B18	(L-3)	
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+								BW6, MULTI	(L-3)	
Ward & Osows	36	???	+	+	+	+	+	+	+	+		98	???	+	+	+	+	+	+							B27, B82, B64>	(LF-3)

(3) - L-Luminex, F-Flow

***** SERUM NO. 955 ***** SERUM NO. 956 *****

*** 36 TYPING LABS ***

B7	100%	1.000
B42	97%	1.000
B55	94%	1.000
B56	94%	1.000
B81	89%	1.000
B54	71%	0.973
B67	63%	1.000
B82	51%	1.000
B64	43%	1.000
B27	29%	1.000
2708	23%	1.000
8201	14%	1.000
B39	11%	0.778
A29	6%	1.000
A80	6%	1.000
B8	6%	1.000
B22	6%	1.000

*** 36 TYPING LABS ***

B7	80%	1.000
B42	60%	1.000
B81	54%	1.000
B45	51%	1.000
B8	40%	1.000
B55	37%	1.000
B62	34%	1.000
B56	31%	1.000
B67	31%	1.000
B76	26%	1.000
B60	23%	1.000
B27	23%	0.953
B18	20%	1.000
B54	20%	1.000
B61	20%	1.000
B75	20%	1.000
B35	17%	1.000
B39	14%	1.000
B41	14%	1.000
B64	14%	1.000
B82	14%	1.000
B44	14%	0.951
A11	14%	0.950
BW6	14%	0.950
8201	11%	1.000
B72	11%	1.000
A26	9%	1.000
2708	6%	1.000
A1	6%	1.000
A3	6%	1.000
A25	6%	1.000
A29	6%	1.000
A32	6%	1.000
A34	6%	1.000
A30	6%	0.946

*** 35 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: Luminex/Flow

	SERUM NO. 955					SERUM NO. 956										METHOD			
	%	%	B	B	B	%	%	B	B	B	B	B	B	B	B				
	POS	8'S	7	1	2	5	6	7	2	1	8	6	5	7	2	0	5		
Baker, Judy	2	???	+					29	???	+	+							B39, B41, B44>	(4)
Berka, Noured	38	100	+	+	+		B60, A80	82	100	+	+	+			+	+	+	B61, B56	(4)
Cooper, E. Sh	2	0	+					5	0	+	+								(4)
Dunn, Dale Dr	7	50	+	+				10	50	+	+								(4)
Eckels/CPMC,	74	???	+	+	+	+	B54	98	???	+	+	+						A25, A32, B18>	(4)
Fotino, Maril	20	100	+					20	100	+									(4)
Hahn, Amy B.	21	100	+	+	+	+	B41	79	80				+		+				(4)
Klein, Jon MD	18	???	+	+	+	+		93	???					+					(4)
Mah, Helen	21	50	+					75	62					+					(4)
Paik, Young K	22	100	+	+	+			83	71					+					(4)
Smith/MI,	7	???	+					33	???	+	+	+	+					B48, B64	(4)
Ward & Osows	27	100	+	+	+	+		63	100	+	+	+		+	+	+	+	B62, B71, B44	(4)

***** SERUM NO. 955 ***** SERUM NO. 956 *****

*** 12 TYPING LABS ***

B7	83%	0.956
B81	75%	0.846
B42	50%	0.955
B55	33%	1.000
B56	25%	1.000
A80	8%	1.000
B54	8%	1.000
B60	8%	1.000
B41	8%	0.333

*** 12 TYPING LABS ***

B42	50%	1.000
B7	50%	0.957
B8	42%	0.889
B81	42%	0.889
BW6	33%	0.929
B45	25%	1.000
B27	25%	0.778
B35	17%	1.000
B39	17%	1.000
B41	17%	1.000
B44	17%	1.000
B55	17%	1.000
B60	17%	1.000
B72	17%	1.000
A25	8%	1.000
A32	8%	1.000
B18	8%	1.000
B48	8%	1.000
B50	8%	1.000
B56	8%	1.000
B61	8%	1.000
B62	8%	1.000
B64	8%	1.000
B71	8%	1.000

*** 12 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: Antiglobulin

***** SERUM NO. 955 ***** SERUM NO. 956 *****

	SERUM NO. 955										SERUM NO. 956										METHOD						
	%	%	B 8	B 7	B 6	B 5	B 5	B 4	B 2	B 5	B 5	B 2	%	%	B 7	B 2	B 6	B 1	B 7	B 6		B 5	B 5	B 4	B 2	B 8	
Esteves-Kond	36	100	+	+	+	+	+	+		+		89	100	+	+			+	+	+	+	+	+		B37,B54,B41	(5)	
Hahn,Amy B.	8	???	+	+	+	+	+	+		+		39	???			+											(5)
Holdsworth,R	100	???	+	+		+	+	+		+		100	???	+	+		+						+	+	+	B18,B48,B62>	(5)
McAlack,Robe	10	100	+	+	+	+	+				+	31	100	+	+		+	+	+	+						B70,B60	(5)
Paik,Young K	20	67	+	+	+			+			+	82	36			+											(5)

***** SERUM NO. 955 ***** SERUM NO. 956 *****

*** 5 TYPING LABS ***

B7	100%	1.000
B81	100%	1.000
B55	80%	1.000
B56	80%	1.000
B67	80%	1.000
B42	80%	0.833
B27	40%	1.000
B50	20%	1.000
B54	20%	1.000
B22	20%	0.500

*** 5 TYPING LABS ***

B7	60%	1.000
B42	60%	1.000
B27	40%	1.000
B45	40%	1.000
B55	40%	1.000
B56	40%	1.000
B67	40%	1.000
B81	40%	1.000
BW6	40%	0.902
B8	20%	1.000
B18	20%	1.000
B35	20%	1.000
B37	20%	1.000
B41	20%	1.000
B48	20%	1.000
B54	20%	1.000
B60	20%	1.000
B62	20%	1.000
B70	20%	1.000

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: JUN 11 2008 *****

Method: Elisa

INVESTIGATOR		DNA EXTRACT #418						method
CTR	NAME	A1	A2	B1	B2	C1	C2	
5488	Adams, Sharon	*260101	*7401/02	*7801	*8101/02	*160101	*1801/02	SBT, RSSO, SSP
2300	Allegheny Ge	*26	*74	*78	*81	*16	*18	SSP
745	Anthony Nola	*260101	*7401	*7801	*8101	*160101	*1801	SSO, SSP, SBT
5133	Baker, Judy	*2601	*7401	*7801	*8102	*16	*18	
4345	Blasczyk, Rai	*2601/24/26	*7401/02	*7801	*8101-03	*1601	*1801/02	
5106	Brown, Colin	*2601/15/17/24-27+	*7401/02/09/11	*7801	*8101/02	*1601/08	*1801/02	PCR-SSOP, SBT
785	Chan, Soh Ha	*2601/24/26	*7401/02	*7801	*8101-03	*160101	*1801/02	SBT
3224	Chen, Dongfen	*2601	*7401/02	*7801	*8101/02	*1601	*1801	SBT, SSO
3625	Darke, Christ	*2601	*7401/02	*7801	*8101/02	*1601	*1801/02	PCR-SSP, SBT
1108	Davis, Mary	*2601	*7401	*7801	*8101	*1601	*1801	SSO, SSP
5891	Du, Keming	*2601	*7401/02	*7801	*8101/02			PCR-SBT
3186	Dunckley, Hea	*26	*74	*78	*81	*16	*18	SSP
3766	Dunn, Paul	*26	*74	*7801	*8101/02	*1601/08	*1801/02	PCR-SSO, SSP
3428	Eckels/Utah	*26	*74	*7801	*8101/02			SSOP
4251	Ellis, Thomas	*2601	*7401/02	*7801	*8101/02	*1601	*1801/02	PCR-SSO, SEQ
762	Fischer&Mayr	*2601	*7401	*7801	*8101	*1601	*1801/02	RSSO, SBT, SSP
3135	Fischer, John	*2601	*7402	*7801	*8101/02	*1601	*1801/02	SBT, PCR-SSO
729	Fotino, Maril	*2601	*7401	*7801	*8101	*1601	*18	
810	Hamdi, Nuha	*2601/10/15/17/23+	*7401/02/09/11	*7801	*8101/02	*06020101	*1801	SSO
1461	Hidajat, Mela	*2601	*7401	*7801	*8101	*1601	*1801	SSO, SSP
615	Holdsworth, R	*2601/24/26	*7401/02	*7801	*8101-03	*1601	*1801/02	SBT
2344	Hurley&Hartz	*260101	*7401/02	*7801	*8101-03	*160101	*1801/02	SBT
797	Kato, Shunich	*2601	*7401/02	*7801	*8101/02	*1601	*1801/02	SSO, SBT
278	Lee, Jar-How	*2601	*7401	*7801	*8101	*1601	*1801	SSP, RVSSOP
640	Lee, Kyung Wh	*2601/24/26	*7401/02	*7801	*8101-03	*1601	*1801/02	PCR-SBT
9916	McIntyre, Joh	*260101	*7401	*7801	*8101	*1601	*1801/02	SSP, SBT, SSO
8021	Montague, Bri	*260101/0103-02+	*7401-05	*7801/02/04	*8101/02	*1601/08/10	*1801/02	PCR-SSP
5323	Murad, Shahna	*26	*74	*78	*81	*16	*18	PCR-SSP
8000	Pahl, Armin	*26	*74	*78	*81			SSO
3966	Permpikul&Ve	*26	*7401/02	*7801/02	*8101	*1601	*1801/02	PCR-SSP
2400	Phelan, Donna	*2601	*7401	*7801	*8101	*1601	*1801	RVSSO, SSP
3753	Reed, Elaine	*2601	*7401/02	*7801	*8101/02	*1601	*1801/02	SBT, SSP
1694	Sauer&Guttwa	*26	*74	*78	*81	*16	*18	SSP
3545	Scornik, Juan	*2601	*7401/02	*7801	*8101/02	*1601	*1801/02	RVSSOP, SBT
5096	Seoul Red Cr	*26	*74	*78	*81			PCR-SSO
8042	Shainberg, Br	*26	*74	*78	*81	*16	*18	SSOP, SSP
735	Smith/MI	*26	*74	*78	*81	*16	*18	SSOP
740	Snider, Denis	*2601	*7401	*7801	*8101	*1601	*1801	SSP
746	Stamm, Luz	*2601	*74	*7801	*8101	*1601	*1801/02	RVSSO, SSP
13	Tagliere, Jac	*2601	*7401	*7801	*8101	*1601	*1801	SSP
4021	Trachtenberg	*26	*74	*78	*81	*1601	*1801/02	RVSSOP, SSP
5462	Turner, E. V.	*2601	*7401	*7801	*8101	*1601	*1801	SSP, SSO, SBT

CTR	INVESTIGATOR NAME	DNA EXTRACT #419 (Caucasian)	A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon		*020101		*5001	*7301	*060201	*1505	SBT, RSSO, SSP
2300	Allegheny Ge		NT						
745	Anthony Nola		*02010101		*5001	*7301	*060201	*1505	SSO, SSP, SBT
5133	Baker, Judy		*0201		*5001	*7301	*0602	*1505	
4345	Blasczyk, Rai		*0201/01L/09/43N/66/75/83N/89/97+		*5001	*7301	*0602	*1505	
5106	Brown, Colin		*0201		*5001	*7301	*0602	*1505	PCR-SSOP, SBT
785	Chan, Soh Ha		*02		*5001	*7301	*0602	*1505	SBT
3224	Chen, Dongfen		*0201		*5001	*7301	*0602	*1505	SBT, SSO
3625	Darke, Christ		*0201		*5001/04	*55	*0602	*1505	PCR-SSP, SBT
1108	Davis, Mary		*0201/*9211/13N/16/18-21/23/25N		*5001	*7301	*0602	*1505	SSO, SSP
5891	Du, Keming		*0201			*7301			PCR-SBT
3186	Dunckley, Hea		*02		*50	*73	*06	*15	SSP
3766	Dunn, Paul		*02		*5001	*7301	*06	*15	PCR-SSO, SSP
3428	Eckels/Utah		*02	*02	*5001	*7301			SSOP
4251	Ellis, Thomas		*0201	*0201	*5001	*7301	*0602	*1505	PCR-SSO, SEQ
762	Fischer&Mayr		*0201/09		*5001	*7301	*0602	*1505	RSSO, SBT, SSP
3135	Fischer, John		*0201/01L		*5001	*7301	*0602	*1505	SBT, PCR-SSO
729	Fotino, Maril		*02		*5001	*73	*0602	*1505	
810	Hamdi, Nuha		*0201/01L/04/07+	*0201/01L/04/07+	*5001	*7301	*0610		SSO
1461	Hidajat, Mela		*0201	*0201	*5001	*7301	*0602	*1505	SSO, SSP
615	Holdsworth, R		*0201/09/43N/66/75/83N/89/97//*9232+		*5001	*7301	*0602	*1505	SBT
2344	Hurley&Hartz		*02010101/010102L		*5001	*7301	*06020101/020102+	*150501-0503	SBT
797	Kato, Shunich		*0201/01L		*5001	*7301	*0602	*1505	SSO, SBT
278	Lee, Jar-How		*0201/24/66/88N/92/94N-97		*5001	*7301	*0602/10/12/13	*1505	SSP, RVSSOP
640	Lee, Kyung Wh		*0201/09/43N/66/75/83N/89/97//*9232+		*5001		*0602	*1505	PCR-SBT
9916	McIntyre, Joh		*02010101		*5001	*7301	*0602/15/16N	*1505	SSP, SBT, SSO
8021	Montague, Bri		*0201-05+		*5001/04	*7301	*0602/03/07+	*1502-06+	PCR-SSP
5323	Murad, Shahna		*02		*50	*73	*06	*15	PCR-SSP
8000	Pahl, Armin		*02		*50	*73			SSO
3966	Permpikul&Ve		*02		*5001/04	*7301	*0602	*1505	PCR-SSP
2400	Phelan, Donna		*0201		*5001	*7301	*0602	*1505	RVSSO, SSP
3753	Reed, Elaine		*0201		*5001	*7301	*0602	*1505	SBT, SSP
1694	Sauer&Guttwa		*02		*50	*7301	*06	*15	SSP
3545	Scornik, Juan		*0201		*5001	*7301	*0602	*1505	RVSSOP, SBT
5096	Seoul Red Cr		*02	*02	*50	*73			PCR-SSO
8042	Shainberg, Br		*0201		*5001	*7301	*0602	*1505	SSOP, SSP
735	Smith/MI		*02		*50	*73	*06	*15	SSOP
740	Snider, Denis		*0201		*5001	*7301	*0602	*1505	SSP
746	Stamm, Luz		*0201		*5001	*7301	*0602	*1505	RVSSO, SSP
13	Tagliere, Jac		*0201		*5001	*7301	*0602	*1505	SSP
4021	Trachtenberg		*02		*50	*7301	*06	*15	RVSSOP, SSP
5462	Turner, E.V.		*0201		*5001	*7301	*0602/03	*1505/09	SSP, SSO, SBT

INVESTIGATOR		DNA EXTRACT #420 (Hispanic)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*110101	*260101	*3909	*5002	*060201	*070201	SBT, RSSO, SSP
2300	Allegheny Ge	NT						
745	Anthony Nola	*110101	*260101	*3909	*5002	*060201	*0702/50	SSO, SSP, SBT
5133	Baker, Judy	*1101	*2601	*3909	*5002	*0602	*0702	
4345	Blasczyk, Rai	*1101/21N	*2601/24/26	*3909	*5002	*0602	*0702/50	
5106	Brown, Colin	*11	*26	*3902/24	*5002	*0602/07/10/13/15+	*0702/10/32N+	PCR-SSOP, SBT
785	Chan, Soh Ha	*1101/19/21N/32	*2601/13/24/26	*3909	*5002	*0602	*0702/50	SBT
3224	Chen, Dongfen	*1101	*2601	*3909	*5002	*0602	*0702/50	SBT, SSO
3625	Darke, Christ	*1101	*2601	*3909	*5002	*0602	*0702/50	PCR-SSP, SBT
1108	Davis, Mary	*1101	*2601	*3909	*5002	*0602	*0702	SSO, SSP
5891	Du, Keming	*1101	*2601	*3909	*5002			PCR-SBT
3186	Dunckley, Hea	*11	*26	*39	*5002	*06	*07	SSP
3766	Dunn, Paul	*11	*26	*3909	*5002	*06	*07	PCR-SSO, SSP
3428	Eckels/Utah	*11	*26	*3909	*5002			SSOP
4251	Ellis, Thomas	*1101	*2601	*3909	*5002	*0602	*0702/50	PCR-SSO, SEQ
762	Fischer&Mayr	*1101	*2601	*3909	*5002	*0602	*0702	RSSO, SBT, SSP
3135	Fischer, John	*1101	*2601	*3909	*5002	*0602	*0702/50	SBT, PCR-SSO
729	Fotino, Maril	*1101	*2601	*3909	*5002	*0602	*07	
810	Hamdi, Nuha	*1101-03/07/09/12+	*2601/04/10/15-17+	*3901/01L/05/25N	*5002	*06020101	*0603	SSO
1461	Hidajat, Mela	*1101	*2601	*3909	*5002	*0602	*0702	SSO, SSP
615	Holdsworth, R	*1101/21N	*2601/24/26	*3909	*5002	*0602	*0702/50	SBT
2344	Hurley&Hartz	*110101	*260101	*3909	*5002	*06020101/020102+	*07020101+	SBT
797	Kato, Shunich	*1101	*2601	*3909	*5002	*0602	*0702	SSO, SBT
278	Lee, Jar-How	*1101	*2601	*3909	*5002	*0602	*0702	SSP, RVSSOP
640	Lee, Kyung Wh	*1101/19/21N	*2601/13/24/26	*3909	*5002	*0602	*0702/50	PCR-SBT
9916	McIntyre, Joh	*110101/19	*260101/13	*3909	*5002	*0602/10	*0702	SSP, SBT, SSO
8021	Montague, Bri	*1101/02/05-07+	*260101/0103-02+	*3901/05/09+	*5002	*0602/03/07+	*0702/03/10+	PCR-SSP
5323	Murad, Shahna	*11	*26	*39	*50	*06	*07	PCR-SSP
8000	Pahl, Armin	*11	*26	*39	*50			SSO
3966	Permpikul&Ve	*1101	*26	*39	*5002	*0602	*0702	PCR-SSP
2400	Phelan, Donna	*1101	*2601	*3909	*5002	*0602	*0702	RVSSO, SSP
3753	Reed, Elaine	*1101/19	*2601/13	*3909	*5002	*0602	*0702/50	SBT, SSP
1694	Sauer&Guttwa	*11	*26	*39	*50	*06	*07	SSP
3545	Scornik, Juan	*1101	*2601	*3909	*5002	*0602	*0702/50	RVSSOP, SBT
5096	Seoul Red Cr	*11	*26	*39	*50			PCR-SSO
8042	Shainberg, Br	*1101	*2601	*3909	*5002	*0602	*0702	SSOP, SSP
735	Smith/MI	*11	*26	*39	*50	*06	*07	SSOP
740	Snider, Denis	*1101	*2601	*3909	*5002	*0602	*0702	SSP
746	Stamm, Luz	*1101	*2601	*3909	*5002	*0602	*0702	RVSSO, SSP
13	Tagliere, Jac	*1101	*2601	*3909	*5002	*0602	*0702	SSP
4021	Trachtenberg	*11	*26	*39	*5002	*06	*07	RVSSOP, SSP
5462	Turner, E. V.	*1101	*2601	*3909	*5002	*0602	*0702	SSP, SSO, SBT

SUMMARY

Extract 417		Extract 418		Extract 419 (Caucasian)		Extract 420 (Hispanic)	
<u>42 labs</u>		<u>42 labs</u>		<u>41 labs</u>		<u>41 labs</u>	
A*11	45%	A*26	36%	A*02	49%	A*11	44%
A*1101/02	10%	A*2601/24/26	9%	A*0201	41%	A*1101	49%
A*1102	38%	A*2601	45%	A*020101	5%	A*110101	7%
A*110201	7%	A*260101	10%	A*02010101	5%	A*11	100% TOTAL
A*11	100% TOTAL	A*26	100% TOTAL	A*02	100% TOTAL		
						A*26	46%
A*24	52%	A*74	36%			A*2601	46%
A*2402/63	12%	A*7401/02	33%			A*260101	8%
A*2402	29%	A*7401	29%			A*26	100% TOTAL
A*240201	2%	A*7402	2%				
A*24020101	5%	A*74	100% TOTAL				
A*24	100% TOTAL						
<u>42 labs</u>		<u>42 labs</u>		<u>41 labs</u>		<u>41 labs</u>	
B*13	36%	B*78	26%	B*50	25%	B*39	27%
B*1301	64%	B*7801	74%	B*5001	73%	B*3909	73%
B*13	100% TOTAL	B*78	100% TOTAL	B*50	98% TOTAL	B*39	100% TOTAL
B*81	33%	B*81	33%	B*73	15%	B*50	12%
B*8101/02	33%	B*8101/02	33%	B*7301	80%	B*5002	88%
B*8102	34%	B*8101	31%	B*73	95% TOTAL	B*50	100% TOTAL
B*81	100% TOTAL	B*8102	3%				
		B*81	100% TOTAL				
<u>38 labs</u>		<u>38 labs</u>		<u>37 labs</u>		<u>37 labs</u>	
Cw*03	34%	Cw*16	26%	Cw*06	27%	Cw*06	24%
Cw*0304	61%	Cw*1601	61%	Cw*0602	65%	Cw*0602	68%
Cw*030401	5%	Cw*160101	10%	Cw*060201	5%	Cw*060201	5%
Cw*03	100% TOTAL	Cw*16	97% TOTAL	Cw*0610	3%	Cw*06020101	3%
				Cw*06	100% TOTAL	Cw*06	100% TOTAL
Cw*08	26%	Cw*18	21%	Cw*15	21%	Cw*07	24%
Cw*0801	61%	Cw*1801/02	53%	Cw*1505	76%	Cw*0702/50	32%
Cw*080101	13%	Cw*1801	26%	Cw*15	97% TOTAL	Cw*0702	38%
Cw*08	100% TOTAL	Cw*18	100% TOTAL			Cw*070201	3%
						Cw*07	97% TOTAL