

# REPORT OF THE 345th CELL EXCHANGE

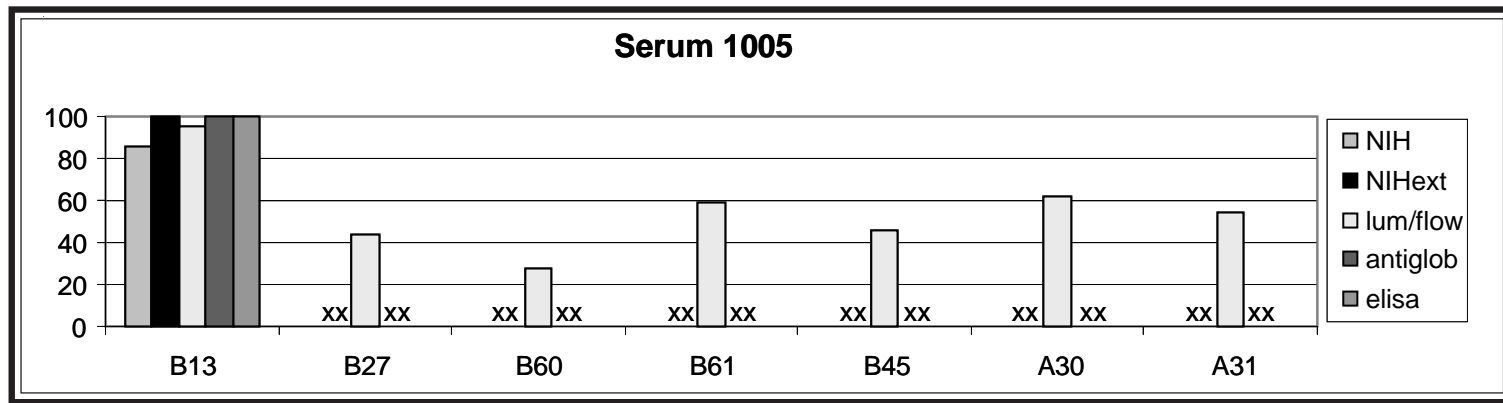
## NOVEMBER 10, 2009

Serum	1005-1008
DNA Extract	465-468
Cells	1377-1380

### Serum Exchange

This month's antibody study (**sera 1005-1008**) included 4 allosera strongly reactive to B13 by all methods. All 4 samples reacted as operationally

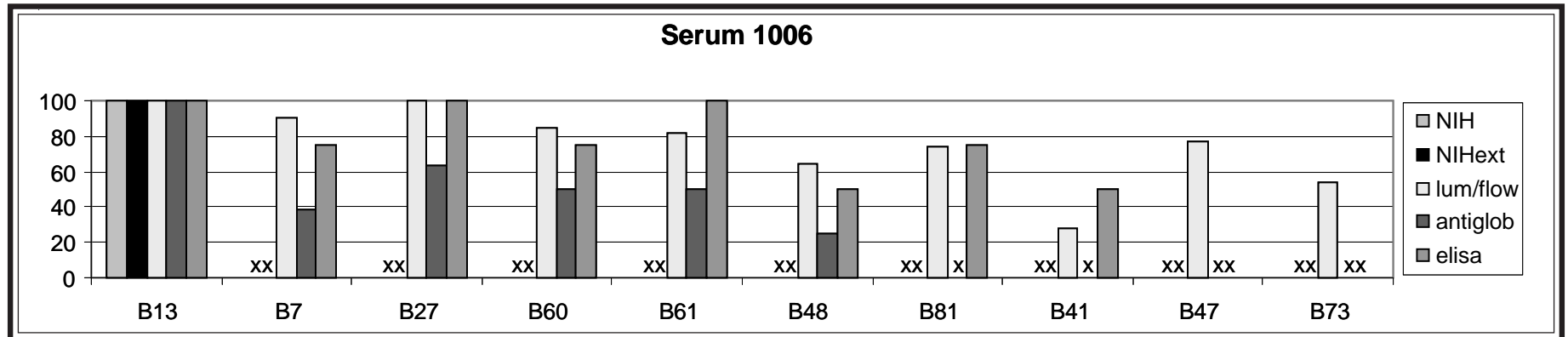
"monospecific" anti-B13 sera by NIH. Additional reactivity to other specificities were detected by labs using more sensitive techniques.

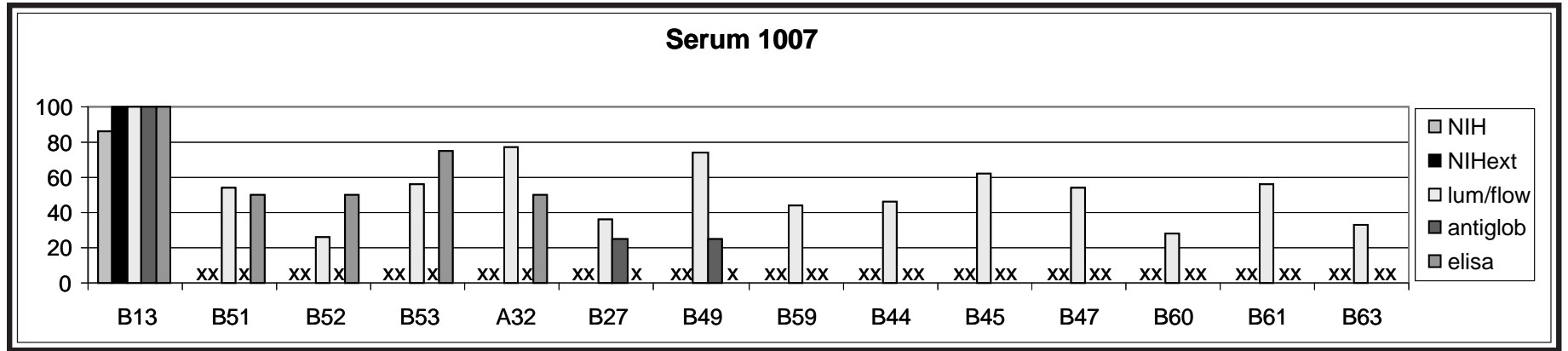


The results for **serum 1005** indicated that this sample was monospecific to B13 by all methods, except by Luminex and flow. Luminex and flow labs detected weaker reactivity to other B-locus specificities, including B27, B45, B60, and B61, as well as to A30 and A31. The reporting of the A-locus

specificities may be due to strong linkage disequilibrium with B13, in particular, A\*3001-B\*1302 cells. A30 and A31 were also reported for serum 951 (2007), another sample found to be strongly positive to B13.

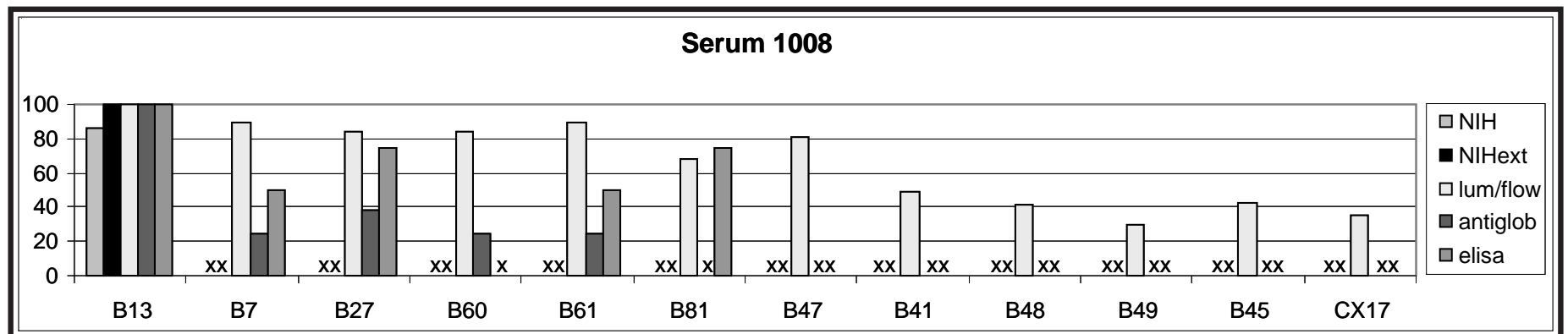
**Sera 1006** and **1008** were similar in their reactivity patterns, that is, labs





using Luminex, flow, antiglobulin, and ELISA reported additional reactivity to B7, B27, B60, and B61. Varied levels of reactivity were also reported for other B-locus specificities, including B41, B45, B47, B48, B73, and B81. Their reactivity matched closely to the reactivity pattern of serum 952 (2007).

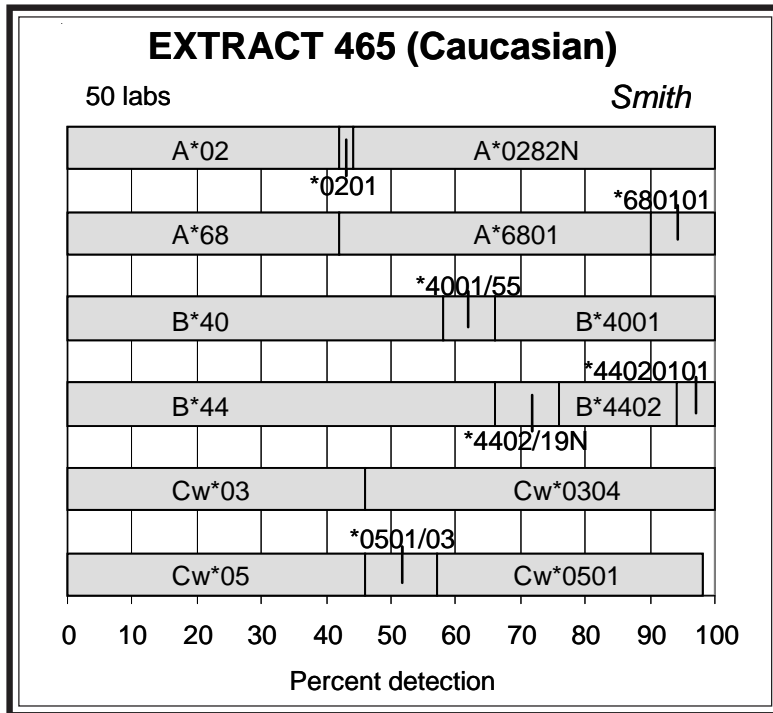
Luminex, flow, and ELISA results for **serum 1007** indicated additional reactivity to B51, B52, and B53, as well as to A32. Luminex and flow labs also reported reactivity to other B-locus specificities, including B44, B45, B47, B49, B59, B60, and B61.



## Extract Exchange

We appreciate the generous collaboration of **Doug Smith, University of Michigan Medical School, Ann Arbor**, and **Eric Mickelson and John**

**Hansen, Fred Hutchinson Cancer Research Center, Seattle**, in providing invaluable reference cells to study in the Cell Exchange.



**Extract 465.** This cell from a Caucasian individual was TER-313, one of the reference cells for A\*0282N. This donor was previously typed as extract 313, as correctly identified by Barnardo, Brown, and Dunckley. A parent was also typed as extract 314 in the 2005 family study examining the novel null A-locus allele. Extract 314, known as TER-314, also serves as an A\*0282N reference cell.

In the initial 2005 typing, 14 of 17 laboratories performing SBT typing detected the new A\*02 null allele in both extracts 313 and 314. The novel sequence was identical to A\*020101 with one substitution (A->C) at position 564 (AY974249), replacing cysteine, and creating a premature stop codon, as described by Smith et al. (1):

	160	170
A*01010101	HAAEQRRVYL	EGR CVDGLRR
A*02010101	-V---L-A--	--T--EW---
A*02010102L	-V---L-A--	--T--EW---
A*02010103	-V---L-A--	--T--EW---
A*0282N	-V---L-A--	--TX---

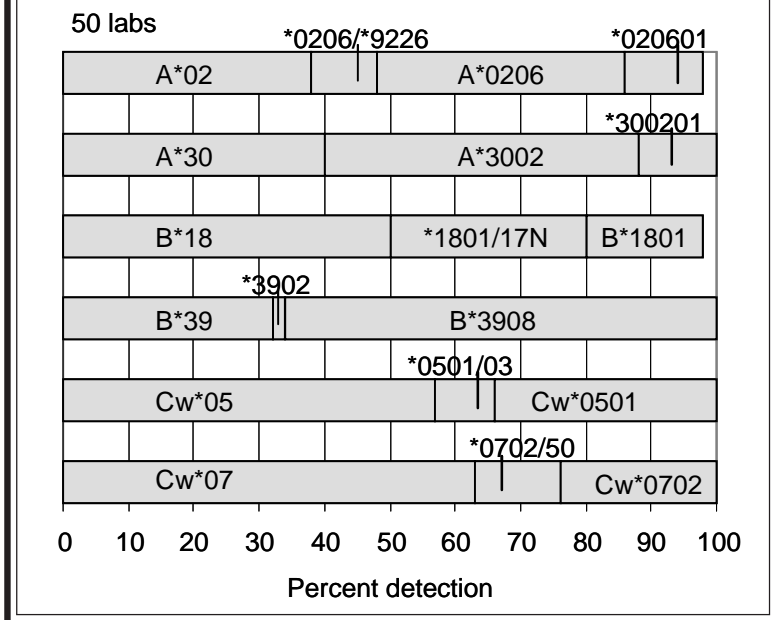
A\*0201 was reported by 22% and 17% for extracts 313 and 314, respectively. Later in the same year, May 2005, this new null allele was formally designated A\*0282N.

In this present retyping, over half of the labs assigned A\*0282N (56%).

A\*6801 (58%) was the second A-locus type.

From family studies, A\*0282N was determined to be on the same haplotype with B\*4402 and Cw\*0501. The second haplotype in this cell was A\*6801-B\*4001-Cw\*0304.

### EXTRACT 466



**Extract 466.** This donor of unknown ethnicity was TER317, a reference cell for the unusual DRB1\*0315, and was also typed in the workshops as IHW#9381. The cell was previously typed in the Cell Exchange for class II as TER-317 (2003) and again, as TER-391 (2007).

B\*3908 was reported by 66%.

B\*1801 (18%) was the second B-locus allele, with B\*1801/17N reported by 30%.

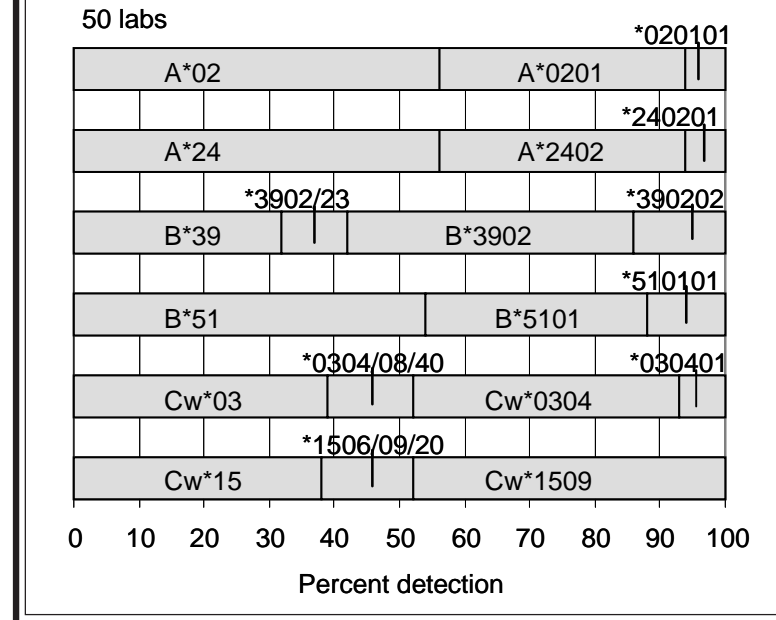
The C-locus types were Cw\*0501 (34%) and Cw\*0702 (24%).

The probable associations were B\*1801-Cw\*0501 and B\*3908-Cw\*0702. Three of 4 previous B\*3908 exchange donors (cells 912, 1206, 1367) were found in association with Cw\*0702 and the fourth B\*3908 cell, cell 1380 (data in this present report), was found associated with Cw\*0717.

Although no ethnicity was provided for this donor, it may be likely that this donor was Hispanic. All previous B\*3908 donors typed in the Cell Exchange were Hispanic.

The class II typing for this donor was DRB1\*0315, DRB1\*0407, DRB3\*0202, DRB4\*0103, DQB1\*0201, DQB1\*0302, DQA1\*0301, DQA1\*0501, DPB1\*0202, DPB1\*0402.

### EXTRACT 467 (Hispanic)



**Extract 467.** This Hispanic cell was previously typed as cell 1205 (2004), as noted by Barnardo, Brown, and Dunckley.

When this donor was initially examined in 2004, it was the first time that the rare Cw\*1509 (38%) was typed in the Cell Exchange. In this present retyping, Cw\*1509 was reported by 48%. This cell remains the sole Cw\*1509 typed in the Exchange.

B\*3902 was detected by 58%, with 14% assigning B\*390202, which is more commonly found than B\*390201.

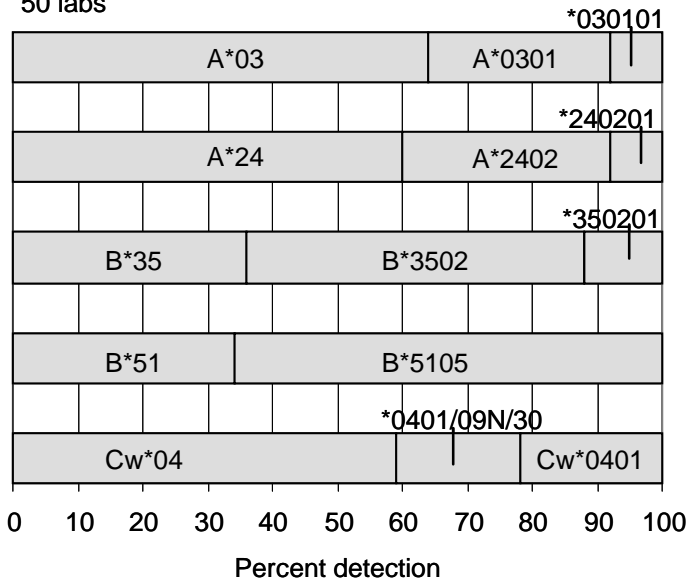
B\*5101 (46%) was the second B-locus type.

The probable associations were B\*3902-Cw\*0304 and B\*5101-Cw\*1509. Other B\*3902 cells (extract 354, cells 1263 and 1273), all from Hispanic donors, were found in association with Cw\*0702. Haplotype frequency data from the NMDP web site, <http://bioinformatics.nmdp.org>, indicated that Cw\*1509 was found, in descending order, with B\*5101g, B\*3501g, B\*5114, and B\*3701, in Hispanic populations.

The high-resolution typing of this donor was A\*0201, A\*2402, B\*5101, B\*390202, Cw\*0304, Cw\*1509.

### EXTRACT 468

50 labs



**Extract 468.** This cell was previously typed as extract 340 (2005), as correctly identified by Barnardo. The rare B\*5105 was detected by 58% in the 2005 typing. Other B\*5105 exchange donors, typed by both serology and DNA, were cells 1109 and 1326 (also cell 1314), both from Caucasian donors.

In this present retyping, B\*5105 was reported by 66%.

The second B-locus allele, B\*3502 (64%), was well typed.

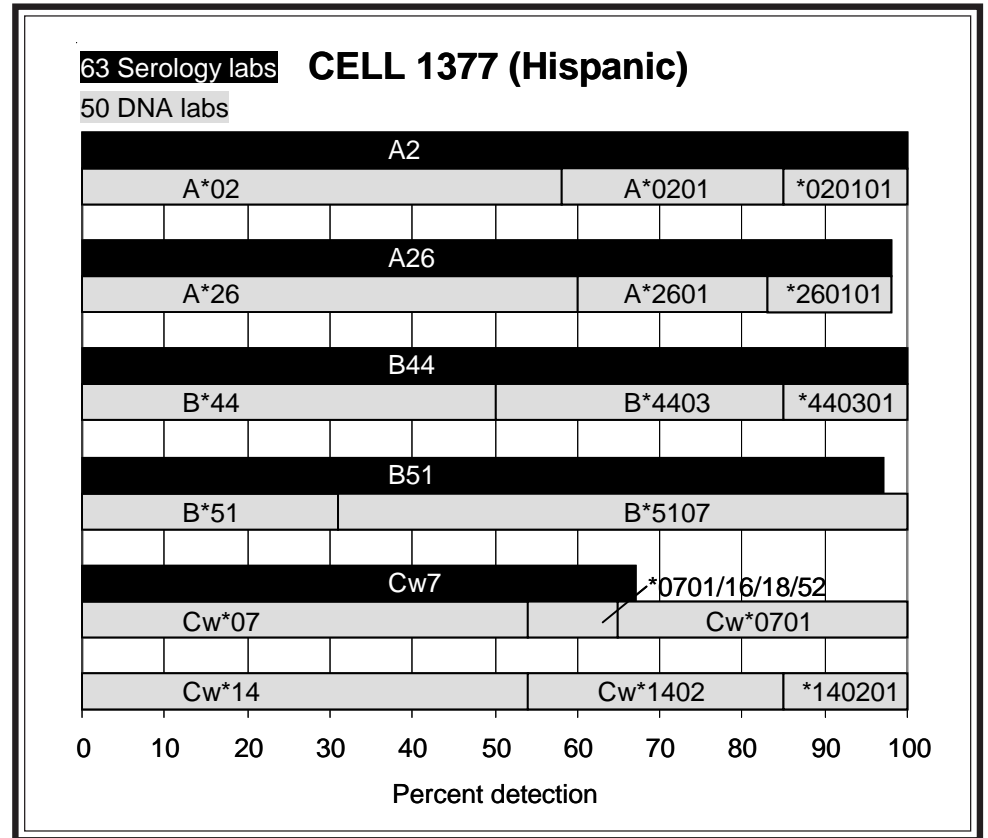
The sole C-locus type was Cw\*0401 (22%). The B\*5105-Cw\*0401 association was also present in the previous B\*5105 exchange cells.

The serologic results for cell 1109 indicated a short B51 reactivity, as only 53% assigned B51. For cell 1326, since B\*5101 was also present besides B\*5105, the serologic expression for the variant could not be clearly evaluated. Both cells 1109 and 1326 showed extra reactivity with anti-B53, -B5102, and -B52 sera. Data and comments presented in the HLA dictionary also indicated similar extra reactivity (2).

## Cell Exchange

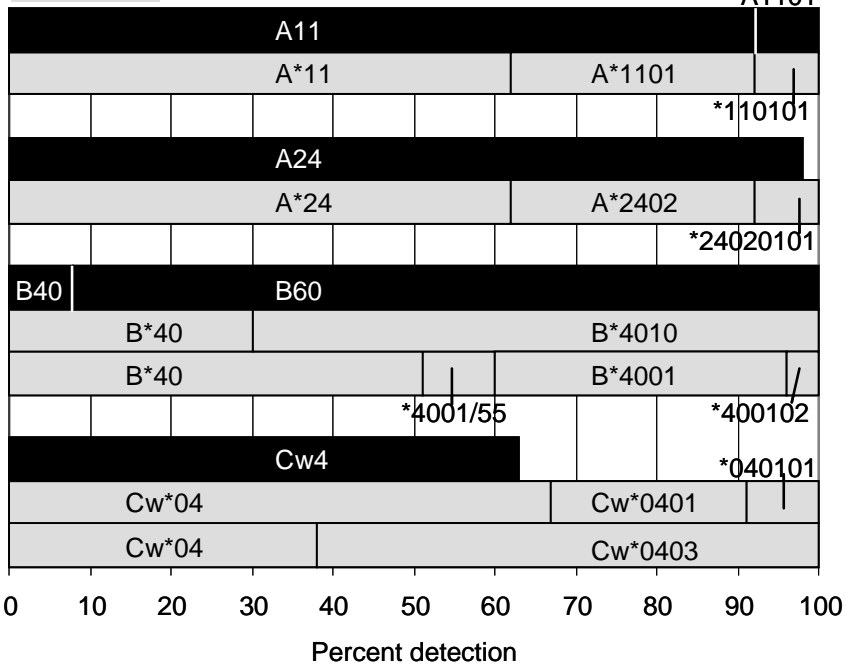
**Cell 1377.** B51 (97%) was well typed in this Hispanic cell. Askar and Pidwell commented that a variant was possible, observing that this cell was non-reactive with several B5, B78 reagents. B\*5107 was assigned by 69%. B\*5107 was previously detected by 61% in extract 442 from a Caucasian donor earlier this year. This was the first time that B5107 was typed by both serologic and DNA typing in the Cell Exchange.

This cell was well typed as A2, A26, B44, B51, Cw7 and A\*0201, A\*2601, B\*4403, B\*5107, Cw\*0701, Cw\*1402. The associations in this cell may be B\*4403-Cw\*0701 and B\*5107-Cw\*1402. B\*5107-Cw\*1402 was also present in extract 442.



**62 Serology labs CELL 1378 (Filipino)**

50 DNA labs



**Cell 1378.** B60 was assigned by 92% in this cell from a Filipino individual. A number of serology labs noted that a second B40 variant was likely present. DNA typing revealed 2 different B\*40 subtypes, B\*4001 (40%) and B\*4010 (70%). B\*400102 was assigned by Claas and Tilanus.

Cw4 was assigned by 63%. Two different C-locus alleles, Cw\*0401 (33%) and Cw\*0403 (62%), were reported.

Cw\*0403 is found in strong disequilibrium linkage with B\*4010, as observed in all previous B\*4010 exchange cells 1165 (Filp), 1166 (Filp), 1183 (Filp), and 1282 (Hisp). The other association, B\*4001-Cw\*0401, was found in a number of exchange cells, including cells 1166, 1167, 1232, 1297, and 1362, all from Filipino donors.

**Cell 1379.** This Caucasian donor was previously typed as cell 1336 last year, as correctly identified by Barnardo, Dunckley, P.Dunn, Lopez-Cepero, Mah, and Walter Reed AMC.

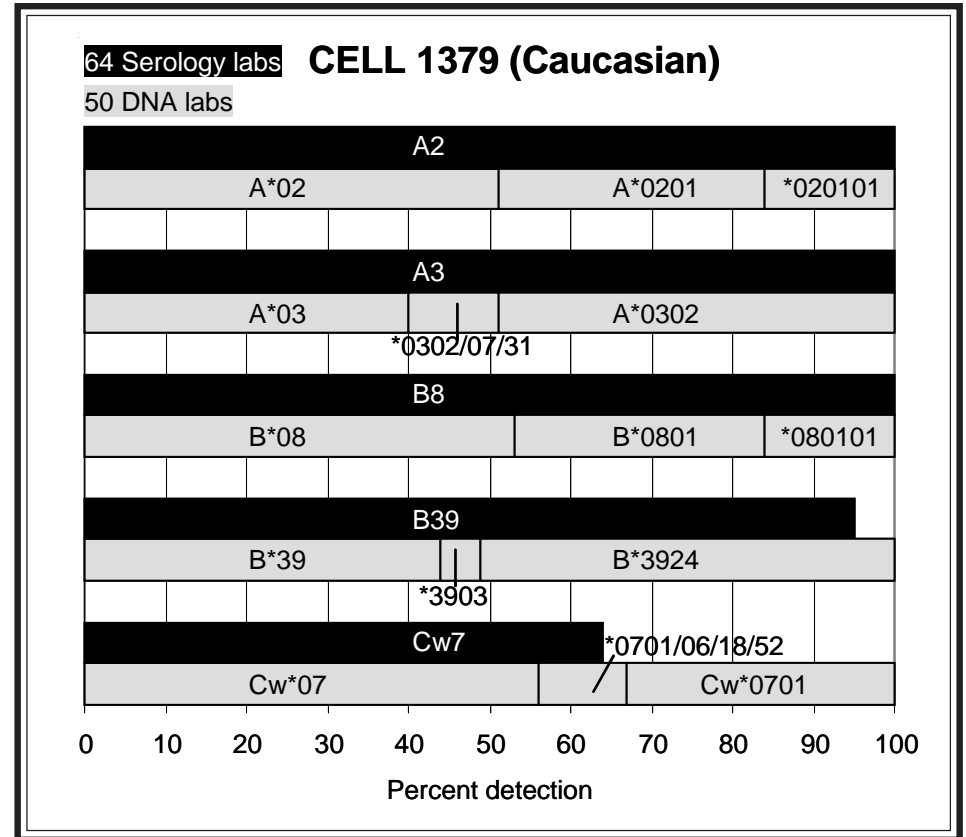
In this present retyping, B39 was detected by 95%. Anthony Nolan Trust and Walter Reed AMC labs noted shorter than normal anti-B39 reactivity. B\*3924 (51%) was assigned by half of the labs. B\*3903 was misassigned by 2 labs. B\*3924 is most homologous to B\*3903, with one substitution (T->C), at position 365, resulting in an amino acid change at codon 98 (ATG->ACG), from methionine (M) to threonine (T). This same B\*39 allele was recently typed in cell 1373 from an Hispanic donor.

B8 was detected by 100%, confirmed as B\*0801 (47%).

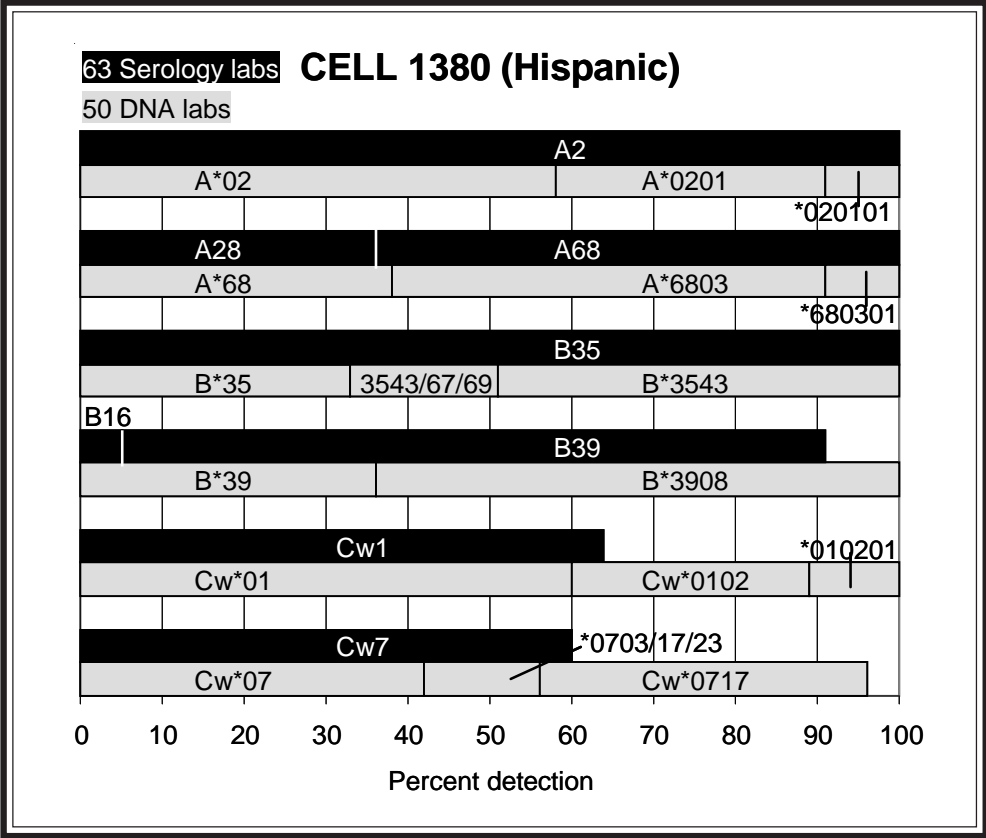
A2 and A3 were assigned in complete consensus, verified by 49% as A\*0201 and A\*0302, respectively.

Cw7 (64%), corroborated as Cw\*0701 (35%), was the sole C-locus type detected in this cell.

B\*0801-Cw\*0701 and B\*3924-Cw\*0701 were likely present in this cell. A\*0201-B\*3924-Cw\*0701 was one probable haplotype in this cell, as well as in the previous B\*3924 cell 1373. The other haplotype may be A\*0302-B\*0801-Cw\*0701.







**Cell 1380.** B39 was reported by only 86% for this Hispanic cell. A number of labs (Abbal, Anthony Nolan Trust, Esteves-Kondo, Holdsworth, McCluskey, Askar and Pidwell, Walter Reed AMC) noted the presence of a short variant. This cell was previously typed as 1337 (2008), as commented by Barnardo, Dunckley, Lopez-Cepero, Mah, McAlack, and Walter Reed AMC. In that previous typing, B39 was detected by only 74%. B\*3908 was reported by 64% in this present retyping, similar to the 63% detection level last year. B\*3908 was also studied in extract 466, described in this same report, as well as in previous cells 912, 1206, and 1367, all from Hispanic donors.

B35 was assigned in complete consensus, and verified as B\*3543 (49%). Esteves-Kondo, Askar and Pidwell, and Walter Reed AMC commented that the B35 reactivity was unusual. B\*3543 was also typed in cells 983 from a Caucasian donor and 1352 (also cell 1252, cell 1294, ext 356) from an Hispanic individual.

Cw1 (64%) and Cw7 (60%) were the C-locus antigens, confirmed as Cw\*0102 (40%) and Cw\*0717 (40%), respectively. Another 14% assigned Cw\*0702/17/23. This donor is the sole Cw\*0717 typed in the Cell Exchange.

A2 (100%) and A68 (64%) were verified as A\*0201 and A\*6803 (\*680301), respectively.

The probable associations in this cell were B\*3543-Cw\*0102 and B\*3908-Cw\*0717. B\*3543-Cw\*0102 was present in the other two exchange B\*3543 donors. B\*3908-Cw\*0702 was found in the other B\*3908 exchange donors.

## References

1. Smith DM, Baker JE, Gardner WB, et al. HLA class I null alleles and new alleles affect unrelated bone marrow donor searches. *Tissue Antigens* 2005;66:93.
2. Holdsworth R, Hurley CK, Marsh SGE, et al. The HLA dictionary 2008: a summary of HLA-A, -B, -C, -DRB1/3/4/5, and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. *Tissue Antigens* 2009;73:95.



*This is the last sendout in 2009. Happy Holidays!*  
**NEXT MAILING DATE: February 3, 2010**  
*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)		Gideoni_LR,Osnat	Haifa	Olerup,Olle	Saltsjobaden
		Gillespie,Dr Kathlee	Bristol	Ozawa,Mikki	Los Angeles CA
Fischer & Mayr,Dr	Vienna	Gomez,Carmen	Miami FL	Padua MD,Florecita R	Quezon City
		Graff,Dr Ralph J.	St Louis MO	Pais,Dr Maria Luisa	Coimbra
Abbal,Prof Michel	Toulouse Cedex	Hahn PhD,Amy B.	Albany NY	Park MD,Myoung Hee	Seoul
Adams,Sharon	Bethesda MD	Hajeer,Dr Ali	Riyadh	Park,Yun Mi	Seoul
Al-Attas,Dr Rabab	Damman-East Pr	Hamdi,Dr Nuha	Riyadh	Passey,Ben	Liverpool
Allegheny General Ho	Pittsburgh PA	Han,Dr Hoon	Seoul	Pellet/Pollock,Gladm	Toronto ON
Alonso,Antonio	Malaga	Hanau,Prof Daniel	Strasbourg	Pereira,Noemi Farah	Curitiba Paran
Alvarez & Carrett,Dr	Montevideo	Harville,Dr Terry	Little Rock AR	Permpikul & Vejbaesy	Bangkok
Amole,Folasade	Miami FL	Henrico Doctors' Hos	Richmond VA	Phelan,Donna	St Louis MO
Anthony Nolan Trust	London England	Hidajat,Dr M.	Brugge	Pidwell/Askar,	Cleveland OH
Baker,Judy	Dallas TX	Hirankarn MD PhD,Nat	Bangkok	Pollack PhD,Marilyn	San Antonio TX
Balazs,Ivan	Stamford CT	Hogan,Dr Patrick	Herston QLD	Rajczyk,Dr Katalin	Budapest
Ball,Dr Edward	London ON	Holdsworth,Rhonda	South Melbourn	Ray,Bryan	Stamford CT
Barnardo,Dr Martin	Oxford England	Hsu PhD,Susan H.	Philadelphia PA	Reed PhD,Elaine F.	Los Angeles CA
Baxter-Lowe,Dr Lee A	San Francisco CA	Hubbell,Charlene	Syracuse NY	Reed PhD,Elaine F.	Los Angeles CA
Berka PhD,Noureddine	Washington DC	Hurley & Hartzma,Dr	Rockville MD	Rees,Dr Tracey	Pontyclun Wale
Blasczyk,Prof Rainer	Hannover	Ichikawa MD PhD,Yasu	Nishinomiya,Hy	Reinke MD,Dennis	Bismarck ND
Bow PhD,Laurine	Hartford CT	Israel,Dr Shoshana	Jerusalem	Reinsmoen PhD,Nancy	Los Angeles CA
Brown,Dr Colin	London England	Israel_LR,	Jerusalem	Roberts,Chrissy H.	London England
Cantwell,Linda	Parkville	Jackson,Dr Annette	Baltimore MD	Rosen-Bronson PhD,Sa	Washington DC
Carrington & Martin,	Frederick MD	Jaramillo PhD,Andres	Itasca IL	Rost & Klein,Dr	Martinsried
Cecka PhD,J.Michael	Honolulu HI	Kamoun MD,Malek	Philadelphia PA	Rubocki PhD,Ronald	Scarborough ME
Cecka PhD,Michael	Los Angeles CA	Kato MD,Shunichi	Isehara,Kanaga	Sage,Dr Deborah	London England
Chan MD,Prof Soh Ha	Singapore	Keown MD,Paul	Vancouver BC	Sauer & Gottwald,	Lich
Charlton PhD,Ronald	Jacksonville FL	Kihara,Masaaki	Tokyo	Schroeder MD,M.L.	Winnipeg MB
Charron,Prof D.	Paris Cedex 10	Kim,Prof Tai-Gyu	Seoul	Scornik,Dr Juan C.	Gainesville FL
Chen,Dr Dong-Feng	Durham NC	Klein MD,Jon	Louisville KY	Semana MD PhD,Gilber	Rennes
Choo MD,Yoon	Valhalla NY	Klein,Dr Tirza	Petach Tikva	Senitzer PhD,David	Duarte CA
Christiansen & Wit,	Perth - West A	Klein_LR,Dr Tirza	Petach Tikva	Shai,Isaac	Medunsa
Claas,Prof F.H.J.	Leiden	Kotsch PhD,Katja	Berlin	Sheikh PhD,Maqsood	Springfield NJ
Clark,Dr Brendan	Leeds England	KuKuruga PhD,Debra	Baltimore MD	Sinnott & Gupta,	London
Cohen,Prof JHM	Reims Cedex	Kusnierczyk PhD,Piot	Wroclaw	Smith/MI,	Ann Arbor MI
Colombe PhD,Beth W.	Philadelphia PA	Kvam,Vonnett	Waukesha WI	Snider PhD,Denis	Buffalo NY
Cooper MD,E. Shannon	Jefferson LA	Land,Dr Geoffrey A.	Houston TX	Spannagl,Dr Michael	Munich
Costeas,Dr Paul A.	Nicosia	Lanzer,Prof G.	Graz	Sperry PhD,Roxanne	Phoenix AZ
Crowe PhD,Deborah	Nashville TN	Lardy,Dr N.M.	Amsterdam	Stamm,Luz	Calgary AB
Daniel PhD,Claude	Laval PQ	Lebeck PhD,Lauralynn	San Diego CA	Stastny MD,Peter	Dallas TX
Daniel,Dr Dolly	Tamil Nadu	Lee PhD,Kyung Wha	Anyang,Kyungki	Stavropoulos,Maria	New Haven CT
Davidson & Poulton,D	Manchester, En	Lee,Dr Jar-How	Canoga Park CA	Suciu-Foca PhD,Nicol	New York NY
Davis PhD,Mary	Stamford CT	Leech MD PhD,Stephen	Philadelphia PA	Sullivan PhD,Karen	New Orleans LA
del Pozo,Dr Ana	Buenos Aires	Lim MD,Young Ae	Suwon	Tagliere,Jacque	Los Angeles CA
Dhaliwal,Dr J.S.	Kuala Lumpur	Lo MD,Raymundo W.	Quezon City	Tavoularis,Dr Sofia	Ottawa ON
Dhanwada,Dr Subba	El Paso TX	Loewenthal MD PhD,Ro	Tel-Hashomer	Thoni MD,Deborah	Orlando FL
Dinauer,David	Brown Deer WI	Lopez-Cepero PhD,May	Tampa FL	Tiercy,Dr Jean-Marie	Geneva 14
Du PhD,Keming	Shanghai	Luger MD,Alan M.	Columbia MO	Tilanus,Prof Marcel	Maastricht
Du Toit,Prof Ernette	Observatory	MacCann,Eileen	Providence RI	Trachtenberg PhD,Eli	Oakland CA
Dunckley PhD,Heather	Sydney NSW	Madrigal,Prof J.A.	London England	Trowsdale,Prof John	Cambridge
Dunk,Arthur	Lauderhill FL	Mah,Helen	Boston MA	Turner PhD,E.V.	Memphis TN
Dunn,Dr Dale	Lubbock TX	Mani,Dr Rama	Chennai,Tamil	Tyan,Dr Dolly	Palo Alto CA
Dunn,Dr Paul	Auckland	Marsh,Prof Steven	London England	Uhrberg,Dr Markus	Dusseldorf
Dupont MD,Bo	New York NY	Masuo,Kiyoe	Tokyo	Varnavidou-Nico,Dr A	Nicosia

Eckels/CPMC,	San Francisco	CA	McAlack PhD,Robert	Philadelphia	PA	Vidan-Jeras,Blanka	Ljubljana	
Eckels/Utah,	Salt Lake City	UT	McAlack-Balasub,	Philadelphia	PA	Vilches,Dr Carlos	Madrid	
Eisenbrey MD,A.Bradl	Ann Arbor	MI	McCluskey,Prof James	Adelaide		Walter Reed Army Med	Washington	DC
Elkhalifa MD PhD,Moh	Riyadh		McIntyre PhD,John A.	Beech Grove	IN	Wassmuth,Prof Ralf	Dresden	
Ellis PhD,Thomas	Milwaukee	WI	Merenmies MD PhD,Jus	Helsinki		Watkins PhD,David I.	Madison	WI
Endres & Wiltbank,Dr	Tempe	AZ	Meyer,Pieter Wa	Pretoria, Gaut		Wetmore,Marilyn	Allentown	PA
Esteves Kondo,Debra	Canoga Park	CA	Moore MD,S.Breannndan	Rochester	MN	Wisecarver PhD,James	Omaha	NE
Esteves-Kondo,Debra	Canoga Park	CA	Muncher,Dr Liora	Rehovot		Yu,Dr Neng	Dedham	MA
Fernandez-Vina & Can	Houston	TX	Muncher_LR,Dr Liora	Rehovot		Yu_Neng/UMMHC,	Worcester	MA
Fischer,Dr Johannes	Dusseldorf		Mytilineos MD,Joanni	Ulm		Zachary PhD,Andrea	Baltimore	MD
Gardiner PhD,Clair M	Dublin		Nelson PhD,Karen	Seattle	WA	Zeevi PhD,Adriana	Pittsburgh	PA
Gautreaux,Dr Michael	Winston-Salem	NC	Noreen,Harriet	Minneapolis	MN			
Gideoni,Osnat	Haifa		Norin,Dr Allen	Brooklyn	NY			

	SERUM NO. 1005										SERUM NO. 1006										METHOD					
	%	%	B 1	B 6	A 3	A 3	B 4	B 2	B 6	B 4	B 4	B	%	%	B 1	B 2	B 6	B 6	B 8	B 4		B 4	B 7	B 4		
	POS	8'S	3	1	0	1	5	7	0	7	1	7	POS	8'S	3	7	1	7	0	1	7	8	3	1		
Abbal, Michel	???	???	+	+	+	+	+						???	???	+	+	+	+	+	+	+	+	+	+	(3)	
Alvarez & Ca	10	100	+		+	+							25	100	+	+		+	+						B45	(3)
Baker, Judy	7	???	+	+	+	+	+				B81		49	???	+	+	+	+	+	+	+	+	+	+		(3)
Berka, Noured	50	100	+	+	+	+	+	+	+		B44		64	100	+	+	+	+	+	+					6602, B45, A25	(3)
Burger, Joe	9	100	+	+				+	+	+	+	+	18	100	+	+	+	+	+	+			+		A66, B18	(3)
Cantwell, Lin	???	???	+	+			+	+	+	+	+	B81, CX17, B48	???	???	+	+	+		+						B45, CX17, A31>	(3)
Cecka, J. Mich	5	0	+										24	100	+	+	+	+	+							(4)
Charlton, Ron	???	100	+										???	100	+	+	+	+	+	+	+	+	+			(3)
Choo, Yoon MD	23	0	+								A34, A68, A80>		20	50	+	+	+	+								(5)
Cohen, JHM Pr	7	???	+										29	???	+	+	+	+	+	+	+	+				(3)
Cooper, E. Sh	2	0	+										3	33	+											(1)
Dunckley, Hea	7	33	+										5	50	+											(1)
Dunk, Arthur	3	100	+										3	100	+											(6)
Dunn, Dale Dr	3	0	+										3	100	+											(4)
Dunn, Paul Dr	14	100	+		+								12	100	+											(2)
Eckels/CPMC,	3	50	+										35	100	+	+	+	+	+	+	+					(4)
Elkhalifa MD	???	???	+		+	+		+					???	???	+	+	+	+	+	+	+	+	+	+	A66	(3)
Esteves Kond	5	67	+										5	100	+											(1)
Esteves-Kond	16	50	+								B48		61	100	+	+	+	+	+	+	+	+	+		B45, B44	(3)
Gautreaux, Mi	42	???	+	+	+			+	+		+		58	???	+	+	+	+	+	+	+	+	+			(3)
Hahn, Amy B.	5	0	+										26	67	+							+			B40, B56, B55>	(4)
Hamdi, Nuha D	9	100	+	+	+								40	100	+	+	+	+	+	+			+		A66, B50, B49	(3)
Han, Hoon Dr	44	???	+	+	+	+	+		+		B48, B49		40	???	+	+	+	+	+	+			+		B49	(3)
Harville, Ter	???	???	+	+	+	+	+				CX17, CW6, CX18>		???	???	+	+	+	+	+	+	+	+	+		2708	(3)
Hogan, Patric	3	0	+								A29		6	0	+											(1)
Israel, Shosh	???	100	+										???	100	+											(2)
Klein, Jon MD	31	???	+								B42		52	???	+	+	+	+	+			+			B42	(4)
Klein, Tirza	28	100	+	+		+			+	+			50	100	+	+	+	+	+	+	+	+	+		B8	(3)
Lardy, N.M. D	17	100	+								B39		17	67	+	+										(2)
Leech MD, Ste	???	???	+		+	+	+						???	???	+	+	+			+	+				A26, B18, B37>	(3)
Loewenthal M	58	???	+	+	+	+	+		+	+	+	B44	68	???	+	+	+	+	+	+	+	+	+		A26, A30, B44	(3)
MacCann, Eile	60	???	+				+	+		+	A24, A25, A32>		66	???	+	+	+	+	+	+	+	+	+		B37, B8	(3)
McAlack, Robe	5	100	+		+								16	100	+	+	+	+	+	+	+	+	+			(3)
McAlack-Bala	4	100	+								3001		54	100	+	+	+			+	+	+	+			(3)
McCluskey, Ja	14	100	+							+			14	100	+						+					(6)
Meyer, Pieter	5	???	+										29	???	+	+	+	+	+	+			+		CX15, B50, B49	(3)
Moore, S. Brea	9	???	+	+	+		+	+			CX17, CX18, CW6		19	???	+	+	+	+	+	+	+	+	+		A66	(3)
Ozawa, Mikki	???	???	+	+			+	+	+	+	B81, B48		???	???	+	+	+	+	+			+			B45, A30, A31>	(3)
Pais, Maria L	6	???	+								???		4	???	+											(1)
Pereira, Noem	???	???	+	+	+	+	+	+			CX18		???	???	+	+	+	+	+	+	+	+	+		A66	(3)
Permpikul &	13	90	+										14	100	+											(1)
Phelan, Donna	5	???	+	+	+	+							38	???	+	+	+	+	+			+			B44, B45, B49>	(6)
Pidwell/Aska	3	100	+										9	100	+											(2)
Rees, Tracey	???	???	+										???	???	+	+	+	+	+	+	+	+	+		2708	(3)
Rosen-BronGT	40	100	+	+	+	+	+	+		+	B48, B49		54	100	+	+	+	+	+	+	+	+	+		B49, B50	(3)
Sage, Deborah	11	???	+							+			80	???	+	+	+			+			+		B44, B45, B49>	(3)
Smith/MI,	5	???	+										38	???	+	+	+	+				+			A66	(4)
Suciu-Foca, N	8	89	+										8	80	+											(6)
Tagliere, Jac	???	???	+	+	+	+	+	+			CX18		???	???	+	+	+	+	+	+	+	+	+		A66	(3)
Turner, E.V.	???	???	+	+	+	+							???	???	+	+	+	+	+	+	+	+	+		A66	(3)

\*\*\*\*\* SERUM NO.1005 \*\*\*\*\* SERUM NO.1006 \*\*\*\*\*

\*\*\* 50 TYPING LABS \*\*\*

B13	96%	0.885
B61	38%	0.957
A30	38%	0.903
A31	30%	1.000
B45	28%	1.000
B27	24%	0.842
B47	18%	1.000
B60	18%	0.917
B41	12%	1.000
B7	10%	1.000
B48	10%	1.000
CX18	8%	1.000
B44	6%	1.000
B49	6%	1.000
B81	6%	1.000
CX17	6%	1.000
CW6	4%	1.000

\*\*\* 50 TYPING LABS \*\*\*

B13	100%	0.970
B27	70%	0.909
B61	64%	0.943
B7	62%	0.963
B60	60%	0.956
B81	50%	1.000
B47	50%	0.963
B48	44%	0.939
B73	32%	1.000
B41	18%	1.000
B45	16%	1.000
A66	16%	0.800
B44	12%	1.000
B49	12%	1.000
B50	10%	1.000
A30	6%	1.000
B18	6%	1.000
2708	4%	1.000
A26	4%	1.000
A31	4%	1.000
B8	4%	1.000
B37	4%	1.000
B42	4%	0.444

Methods:

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

\*\*\* 50 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 1005 \*\*\*\*\* SERUM NO. 1006 \*\*\*\*\*

	%	%	B		%	%	B		METHOD
	POS	8'S	1		POS	8'S	1		
			3				3		
Cooper, E. Sh	2	0	+		3	33	+		(1)
Dunckley, Hea	7	33	+		5	50	+		(1)
Esteves Kond	5	67	+		5	100	+		(1)
Hogan, Patric	3	0	+	A29	6	0	+		(1)
Pais, Maria L	6	???	???		4	???	+		(1)
Permpikul &	13	90	+		14	100	+		(1)
Suciu-Foca, N	7	99	+		7	50	+		(1)

\*\*\*\*\* SERUM NO.1005 \*\*\*\*\* SERUM NO.1006 \*\*\*\*\*

\*\*\* 7 TYPING LABS \*\*\*

B13 86% 0.704  
 ??? 14% 1.000  
 A29 14% 0.500

\*\*\* 7 TYPING LABS \*\*\*

B13 100% 0.900

\*\*\* 7 LABORATORIES REPLIED \*\*\*

Method: NIH-std

\*\*\*\*\* SERUM NO. 1005 \*\*\*\*\* SERUM NO. 1006 \*\*\*\*\*

	%	%	B		%	%	B		METHOD
	POS	8'S	1		POS	8'S	1		
			3				3		
Dunn, Paul Dr	14	100	+	A30	12	100	+		(2)
Israel, Shosh	???	100	+		???	100	+		(2)
Lardy, N.M. D	17	100	+	B39	17	67	+	B61	(2)
Pidwell/Aska	3	100	+		9	100	+		(2)

\*\*\*\*\* SERUM NO.1005 \*\*\*\*\* SERUM NO.1006 \*\*\*\*\*

\*\*\* 4 TYPING LABS \*\*\*

B13 100% 0.750  
 A30 25% 1.000  
 B39 25% 1.000

\*\*\* 4 TYPING LABS \*\*\*

B13 100% 1.000  
 B61 25% 0.667

\*\*\* 4 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: NIH-ext

		SERUM NO. 1005										SERUM NO. 1006										METHOD			
		B	A	B	A	B	B	B	B	B	C	C			B	B	B	B	B	B	B	B	B	B	
%	%	1	3	6	3	4	2	6	4	1	1	%	%	2	1	B	6	6	4	8	4	7	4		
POS	8'S	3	0	1	1	5	7	0	7	8	7	POS	8'S	7	3	7	0	1	7	1	8	3	1		
Abbal, Michel	???	???	+	+	+	+	+					???	???	+	+	+	+	+	+	+	+	+	+	(L-3)	
Alvarez & Ca	10	100	+	+		+						25	100	+	+	+	+							B45 (F-3)	
Baker, Judy	7	???	+	+	+	+	+	+				49	???	+	+	+	+	+	+	+	+	+	+	(L-3)	
Berka, Noured	50	100	+	+	+	+	+	+	+			B81												B44, B7 (L-3)	
Burger, Joe	9	100	+		+			+	+	+		64	100	+	+	+	+	+	+					6602, B45, A25 (L-3)	
Cantwell, Lin	???	???	+		+		+	+	+	+		B41, B7										+		A66, B18 (L-3)	
Cecka, J. Mich	7	100	+	+		+		+				B81, B7, B48					+	+						B45, CX17, A31> (L-3)	
Charlton, Ron	???	100	+									???	???	+	+	+	+	+	+	+	+	+	+	B49 (L-3)	
Cohen, JHM Pr	7	???	+									???	???	+	+	+	+	+	+	+	+	+	+	(L-3)	
Dunn, Paul Dr	???	???	+	+	+	+	+	+		+		CW6, B81												A66 (L-3)	
Eckels/CPMC	46	???	+		+						+	60	???	+	+	+	+	+	+	+	+	+	+	6602, B18, 2708> (L-3)	
Elkhalifa MD	???	???	+	+		+		+				???	???	+	+	+	+	+	+	+	+	+	+	A66 (L-3)	
Esteves-Kond	16	50	+									B48						+	+	+	+	+	+	B45, B44 (F-3)	
Gautreaux, Mi	42	???	+	+	+			+				B41						+	+	+	+	+	+	(L-3)	
Hamdi, Nuha D	9	100	+	+	+							40	100	+	+	+	+	+	+			+		A66, B50, B49 (L-3)	
Han, Hoon Dr	44	???	+	+	+	+	+		+			B48, B49										+		B49 (L-3)	
Harville, Ter	???	???	+	+	+	+	+			+	+	CW6, 2708										+		2708 (L-3)	
Hogan, Patric	9	???	+		+			+	+	+		B7, B81										+		(L-3)	
Klein, Tirza	28	100	+		+	+		+	+			50	100	+	+	+	+	+	+	+	+	+	+	B8 (L-3)	
Leech MD, Ste	???	???		+		+	+					???	???	+	+	+			+					A26, B18, B37> (L-3)	
Loewenthal M	58	???	+	+	+	+	+		+	+		B7, B44, B41												A26, A30, B44 (L-3)	
MacCann, Eile	60	???	+			+	+		+			A24, A25, A32>												B37, B8 (L-3)	
McAlack, Robe	5	100	+	+								16	100	+	+	+	+	+	+	+	+	+	+	(L-3)	
McAlack-Bala	4	100	+									3001												(L-3)	
McCluskey, Ja	2	???										???												(L-3)	
Meyer, Pieter	5	???	+									15	???	+	+	+			+			+		B40, 2708, 8101> (L-3)	
Moore, S. Brea	9	???	+	+	+		+	+		+	+	29	???	+	+	+	+	+	+		+			CX15, B50, B49 (L-3)	
Ozawa, Mikki	???	???	+		+		+	+	+			19	???	+	+	+	+	+	+	+	+	+	+	A66 (L-3)	
Pereira, Noem	???	???	+	+	+	+	+	+		+		B81, B7, B48, B41										+		B45, A30, A31> (L-3)	
Permpikul &	???	100	+									???	???	+	+	+	+	+	+	+	+	+	+	A66 (L-3)	
Phelan, Donna	9	???	+	+	+	+	+	+		+	+	???	100	+	+	+	+	+	+	+	+	+	+	CX15 (L-3)	
Pidwell/Aska	13	100	+	+		+						16	???	+	+	+	+	+				+		B44, B45, B49> (L-3)	
Rees, Tracey	???	???	+									54	100	+	+	+	+	+			+	+	+	8101 (F-3)	
Rosen-BronGT	40	100	+	+	+	+	+	+		+		???	???	+	+	+	+	+	+	+	+	+	+	2708 (L-3)	
Sage, Deborah	11	???	+									B41, B48, B49										+		B49, B50 (L-3)	
Smith/MI,	6	???	+	+	+	+	+					B41										+		B44, B45, B49> (L-3)	
Suciu-Foca, N	???	100	+	+	+	+	+	+		+	+	CW6, 2708, B41												2708 (L-3)	
Tagliere, Jac	???	???	+	+	+	+	+			+		49	???	+	+	+	+	+	+	+	+	+	+	A66 (L-3)	
Turner, E.V.	???	???	+	+	+	+						CW6												A66 (L-3)	
			+	+	+	+						???	???	+	+	+	+	+	+	+	+	+	+	A66 (L-3)	

(3) - L-Luminex, F-Flow



\*\*\*\*\* SERUM NO.1005 \*\*\*\*\* SERUM NO.1006 \*\*\*\*\*

\*\*\* 39 TYPING LABS \*\*\*

B13	95%	1.000
A30	62%	0.914
B61	59%	0.963
A31	54%	1.000
B45	46%	1.000
B27	44%	0.875
B60	28%	0.929
B47	23%	1.000
CX17	21%	1.000
CX18	21%	1.000
B41	18%	1.000
B7	15%	1.000
B48	13%	1.000
B81	13%	1.000
CW6	13%	1.000
B44	8%	1.000
B49	8%	1.000
2708	5%	1.000

\*\*\* 39 TYPING LABS \*\*\*

B13	100%	1.000
B27	100%	0.962
B7	90%	0.981
B60	85%	0.976
B61	82%	1.000
B47	77%	0.971
B81	74%	1.000
B48	64%	1.000
B73	54%	0.952
B41	28%	1.000
B45	23%	1.000
A66	23%	0.818
B44	18%	1.000
B49	18%	1.000
2708	13%	1.000
B18	13%	1.000
B50	13%	1.000
6602	8%	1.000
A30	8%	1.000
8101	5%	1.000
A26	5%	1.000
A31	5%	1.000
B8	5%	1.000
B37	5%	1.000
CX15	5%	0.800

\*\*\* 39 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: Luminex/Flow

\*\*\*\*\* SERUM NO. 1005 \*\*\*\*\* SERUM NO. 1006 \*\*\*\*\*

	SERUM NO. 1005			SERUM NO. 1006								METHOD
	POS	8'S	B	POS	8'S	B	B	B	B	B	B	
Cecka, J. Mich	5	0	+	24	100	+	+	+	+	+		(4)
Cooper, E. Sh	2	0	+	3	33	+						(4)
Dunn, Dale Dr	3	0	+	3	100	+						(4)
Eckels/CPMC,	3	50	+	35	100	+	+	+	+	+	B47, B81	(4)
Hahn, Amy B.	5	0	+	26	67	+				+	+	B40, B56, B55
Klein, Jon MD	31	???	+	52	???	+	+	+	+	+	+	(4)
Smith/MI,	5	???	+	38	???	+	+	+	+			(4)
Suciu-Foca, N	10	80	+	12	62	+	+					(4)

\*\*\*\*\* SERUM NO.1005 \*\*\*\*\* SERUM NO.1006 \*\*\*\*\*

\*\*\* 8 TYPING LABS \*\*\*

B13	100%	0.833
B27	13%	1.000
B42	13%	0.800

\*\*\* 8 TYPING LABS \*\*\*

B13	100%	0.944
B27	63%	0.800
B61	50%	0.923
B60	50%	0.857
B7	38%	0.909
B48	25%	0.750
B42	25%	0.444
A66	13%	1.000
B41	13%	1.000
B47	13%	1.000
B56	13%	1.000
B81	13%	1.000
B55	13%	0.667
B40	13%	0.600

\*\*\* 8 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: Antiglobulin

\*\*\*\*\* SERUM NO. 1005 \*\*\*\*\* SERUM NO. 1006 \*\*\*\*\*

	B				B B B B B B B B									METHOD	
	%	%	1		%	%	6	2	1	8	B	6	4		4
	POS	8'S	3		POS	8'S	1	7	3	1	7	0	8	1	
Choo, Yoon MD	23	0	+	A34, A68, A80, A26	20	50	+	+	+		+				(5)
Esteves-Kond	7	33	+		29	???	+	+	+	+	+			B73	(5)
Hahn, Amy B.	2	???	+		15	???	+	+	+	+	+	+	+	B47	(5)
McAlack, Robe	4	100	+	B81	19	100	+	+	+	+	+	+	+		(5)

\*\*\*\*\* SERUM NO.1005 \*\*\*\*\* SERUM NO.1006 \*\*\*\*\*

\*\*\* 4 TYPING LABS \*\*\*

B13 100% 1.000  
 A34 25% 1.000  
 B81 25% 1.000  
 A80 25% 0.500  
 A68 25% 0.400  
 A26 25% 0.250

\*\*\* 4 TYPING LABS \*\*\*

B13 100% 1.000  
 B27 100% 1.000  
 B61 100% 0.714  
 B7 75% 1.000  
 B81 75% 1.000  
 B60 75% 0.833  
 B41 50% 1.000  
 B48 50% 1.000  
 B47 25% 1.000  
 B73 25% 1.000

\*\*\* 4 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2009 \*\*\*\*\*

Method: Elisa

	SERUM NO. 1007											SERUM NO. 1008											METHOD			
	%	%	B 1	A 3	B 4	B 6	B 4	B 4	B 5	B 5	B 4	B 2	%	%	B 1	B 6	B 7	B 6	B 4	B 2	B 8	B 4		B 4	B 4	
	POS	8'S	3	2	9	1	7	5	3	1	4	7	POS	8'S	3	1	7	0	7	7	1	1	5	8		
Abbal, Michel	???	???	+	+	+		+	+	+	+	+	B59, B60	???	???	+	+	+	+	+	+	+		+	CX17, B44	(3)	
Alvarez & Ca	20	100	+	+									15	100	+		+	+		+						(3)
Baker, Judy	36	???	+	+	+	+	+	+	+	+	+	B59	29	???	+	+	+	+	+	+	+	+	+	+	CX17	(3)
Berka, Noured	54	100	+	+	+	+	+	+	+			B60, A25	68	100	+	+	+	+	+	+	+	+	+	+	B37, B44	(3)
Burger, Joe	15	100	+		+	+	+	+				B60, B41, B63>	13	100	+	+	+	+	+	+	+	+	+	+		(3)
Cantwell, Lin	???	???	+			+	+					B81, B7, B48, B73>	???	???	+	+			+				+		A32, B53, B59>	(3)
Cecka, J. Mich	5	100	+										9	100	+											(4)
Charlton, Ron	???	100	+	+	+		+					B58	???	100	+	+	+	+							B49	(3)
Choo, Yoon MD	13	50	+									A1, B42	5	100	+											(5)
Cohen, JHM Pr	27	???	+	+	+			+	+	+	+	B59	22	???	+	+	+	+	+	+	+	+		+		(3)
Cooper, E. Sh	5	60	+										5	33	+											(1)
Dunckley, Hea	???	75	+										7	100	+											(1)
Dunk, Arthur	3	100	+										NT													(6)
Dunn, Dale Dr	3	50	+										3	50	+											(4)
Dunn, Paul Dr	10	100	+										12	100	+											(2)
Eckels/CPMC,	33	100	+			+						B7, B42, B60	30	100	+	+	+	+	+	+						(4)
Elkhalifa MD	???	???	+	+	+			+	+	+	+	B59, B63, B52	NT													(3)
Esteves Kond	5	100	+										5	100	+											(1)
Esteves-Kond	38	100	+	+					+			B57, B58, B60>	46	100	+	+	+	+	+	+	+	+			B44, B50	(3)
Gautreaux, Mi	50	???	+			+	+					B60, B63, B41>	32	???	+	+	+	+			+	+			B63	(3)
Hahn, Amy B.	10	100	+										7	33	+										B55	(4)
Hamdi, Nuha D	18	100	+	+	+	+			+	+		B52, B38, A80>	NT													(3)
Han, Hoon Dr	49	???	+	+	+	+	+		+	+		A25, B52	31	???	+	+	+	+	+	+		+			B49	(3)
Harville, Ter	???	???	+	+	+	+	+	+	+	+	+	B59	???	???	+	+	+	+	+		+		+		2708, CX17, 2708	(3)
Hogan, Patric	8	0	+										6	0	+											(1)
Israel, Shosh	???	100	+										???	100	+											(2)
Klein, Jon MD	39	???	+	+	+							B52, B58	38	???	+	+	+	+	+							(4)
Klein, Tirza	64	100	+		+	+	+					B37, B63, B62>	54	100	+	+	+	+	+	+	+	+	+	+	B82	(3)
Lardy, N.M. D	6	100	+										8	100	+											(2)
Leech MD, Ste	???	???	+	+			+	+				A25, A80, B37>	???	???	+	+	+	+	+				+			(3)
Loewenthal M	90	???	+	+		+	+					A24, B60, A25>	60	???	+	+	+	+	+	+	+	+	+	+	B44	(3)
MacCann, Eile	50	???	+			+	+	+				A30, A31, B60, B7>	54	???	+	+	+	+		+	+	+	+	+	B12, B49	(3)
McAlack, Robe	9	100	+	+	+				+	+		B38	11	100	+	+	+	+		+	+					(3)
McAlack-Bala	60	100	+	+	+			+	+	+	+	B59	64	100	+	+	+	+	+	+	+	+	+	+		(3)
McCluskey, Ja	14	100	+			+							14	100	+				+							(6)
Meyer, Pieter	20	???	+	+	+		+			+	+	B73, B52	9	???	+	+									B44, B49, B50	(3)
Moore, S. Brea	23	???	+	+	+	+	+	+	+	+	+	B59	20	???	+	+	+	+	+	+	+		+	+	CX17	(3)
Ozawa, Mikki	???	???	+			+	+					B81, B60, B7, B48>	???	???	+	+		+				+			A32, B53, B59>	(3)
Pais, Maria L	6	???	+									???	4	???	+										???	(1)
Pereira, Noem	???	???	+	+	+	+		+	+	+		B59, B52, B63	???	???	+	+	+	+	+	+	+	+	+	+	CX17	(3)
Permpikul &	15	83	+										18	83	+											(1)
Phelan, Donna	67	???	+	+	+	+		+				A25, BW4, B50>	14	???	+	+	+	+								(6)
Pidwell/Aska	3	100	+										9	33	+											(2)
Rees, Tracey	???	???	+		+	+	+	+	+	+	+	B52, B59	???	???	+	+	+	+	+	+	+	+	+	+	2708	(3)
Rosen-BronGT	34	100	+	+		+	+	+	+			B50, B59, B63>	40	100	+	+	+	+	+	+		+	+	+	B49, B50	(3)
Sage, Deborah	82	???	+	+	+		+		+	+		A25, B52, B63>	62	???	+	+	+		+		+	+	+	+	B44, B49, B50	(3)
Smith/MI,	10	???	+		+								9	???	+											(4)
Suciu-Foca, N	3	99	+										25	52	+											(6)
Tagliere, Jac	???	???	+	+	+	+		+	+	+	+	B59, B52	???	???	+	+	+	+	+	+	+	+	+	+	CX17	(3)
Turner, E.V.	???	???	+	+	+	+		+	+	+	+	B59, B63	???	???	+	+	+	+	+	+	+	+	+	+	CX17	(3)

\*\*\* 50 TYPING LABS \*\*\*

B13	98%	0.969
A32	48%	0.944
B49	46%	1.000
B45	38%	1.000
B47	38%	1.000
B61	38%	0.962
B53	32%	1.000
B51	32%	0.947
B44	28%	1.000
B27	26%	0.783
B59	24%	1.000
B60	22%	0.850
B52	20%	0.917
B63	16%	1.000
A25	14%	1.000
B58	10%	0.875
B38	8%	1.000
B7	8%	0.750
B41	6%	1.000
B50	6%	1.000
B73	6%	1.000
B81	6%	0.750
A30	4%	1.000
A66	4%	1.000
A80	4%	1.000
B37	4%	1.000
B48	4%	1.000
B42	4%	0.600

\*\*\* 47 TYPING LABS \*\*\*

B13	98%	0.989
B61	62%	0.976
B60	57%	0.975
B7	57%	0.936
B47	49%	1.000
B27	47%	0.968
B81	38%	1.000
B41	26%	1.000
B45	23%	1.000
B48	21%	1.000
B44	17%	1.000
B49	17%	1.000
CX17	15%	1.000
B50	9%	1.000
2708	6%	1.000
A32	4%	1.000
B51	4%	1.000
B53	4%	1.000
B59	4%	1.000

Methods:

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

\*\*\* 50 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 1007 \*\*\*\*\* SERUM NO. 1008 \*\*\*\*\*

	B			B			METHOD
	%	%	1	%	%	1	
	POS	8'S	3	POS	8'S	3	
Cooper, E. Sh	5	60	+	5	33	+	(1)
Dunckley, Hea ???	75		+	7	100	+	(1)
Esteves Kond	5	100	+	5	100	+	(1)
Hogan, Patric	8	0	+	6	0	+	(1)
Pais, Maria L	6	???	???	4	???	???	(1)
Permpikul &	15	83	+	18	83	+	(1)
Suciu-Foca, N	8	99	+	14	67	+	(1)

\*\*\*\*\* SERUM NO.1007 \*\*\*\*\* SERUM NO.1008 \*\*\*\*\*

\*\*\* 7 TYPING LABS \*\*\*

B13 86% 0.963  
 ??? 14% 0.667

\*\*\* 7 TYPING LABS \*\*\*

B13 86% 0.963  
 ??? 14% 0.667

\*\*\* 7 LABORATORIES REPLIED \*\*\*

Method: NIH-std

\*\*\*\*\* SERUM NO. 1007 \*\*\*\*\* SERUM NO. 1008 \*\*\*\*\*

	B			B			METHOD
	%	%	1	%	%	1	
	POS	8'S	3	POS	8'S	3	
Dunn, Paul Dr	10	100	+	12	100	+	(2)
Israel, Shosh ???	100		+	???	100	+	(2)
Lardy, N.M. D	6	100	+	8	100	+	(2)
Pidwell/Aska	3	100	+	9	33	+	(2)

\*\*\*\*\* SERUM NO.1007 \*\*\*\*\* SERUM NO.1008 \*\*\*\*\*

\*\*\* 4 TYPING LABS \*\*\*

B13 100% 0.750

\*\*\* 4 TYPING LABS \*\*\*

B13 100% 1.000

\*\*\* 4 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: NIH-ext

	SERUM NO. 1007										SERUM NO. 1008										METHOD							
	%	%	B 1	A 3	B 4	B 4	B 6	B 5	B 5	B 4	B 4	B 5	%	%	B 1	B 7	B 6	B 6	B 2	B 4		B 8	B 4	B 4	B 4			
	POS	8'S	3	2	9	5	1	3	1	7	4	9	POS	8'S	3	7	1	0	7	7	1	1	5	8				
Abbal, Michel	???	???	+	+	+	+		+	+	+	+	+	B60	???	???	+	+	+	+	+	+	+		+	CX17, B44	(L-3)		
Alvarez & Ca	20	100	+	+										15	100	+	+		+	+							(F-3)	
Baker, Judy	36	???	+	+	+	+	+	+	+	+	+	+		29	???	+	+	+	+	+	+	+	+	+		CX17	(L-3)	
Berka, Noured	54	100	+	+	+	+	+			+			B60, B27, A25	68	100	+	+	+	+	+	+	+	+	+		B37, B44	(L-3)	
Burger, Joe	15	100	+		+	+	+			+			B60, B41, B63>	13	100	+	+	+	+	+	+	+	+	+			(L-3)	
Cantwell, Lin	???	???	+				+			+			B81, B27, B7, B48>	???	???	+		+		+			+			A32, B53, B59>	(L-3)	
Cecka, J. Mich	27	100	+	+	+	+	+	+	+	+	+	+	B63	25	100	+	+	+	+	+	+	+	+	+	+		(L-3)	
Charlton, Ron	???	100	+	+	+					+			B58	???	100	+	+	+	+							B49	(L-3)	
Cohen, JHM Pr	27	???	+	+	+	+		+	+		+	+		22	???	+	+	+	+	+	+	+					(L-3)	
Dunn, Paul Dr	???	???	+	+	+	+		+	+		+	+	B63, B52	???	???	+	+	+	+	+	+	+	+	+		CX17	(L-3)	
Eckels/CPMC	78	???	+	+	+					+			A80, B27, B57>	55	???	+	+		+	+		+	+			2708, 4005, B44>	(L-3)	
Elkhalifa MD	???	???	+	+	+			+	+			+	B63, B27, B52	NT													(L-3)	
Esteves-Kond	38	100	+	+				+					B27, B57, B58>	46	100	+	+	+	+	+	+	+				B44, B50	(F-3)	
Gautreaux, Mi	50	???	+				+			+			B60, B27, B63>	32	???	+	+	+	+		+	+				B63	(L-3)	
Hamdi, Nuha D	18	100	+	+	+		+	+	+				B52, B38, A80>	NT													(L-3)	
Han, Hoon Dr	49	???	+	+	+		+		+	+			A25, B52	31	???	+	+	+	+	+	+		+			B49	(L-3)	
Harville, Ter	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+		+	+		+		2708, CX17, 2708	(L-3)	
Hogan, Patric	15	???	+				+			+			B27, B60, B7, A66>	13	???	+		+	+	+	+		+	+		B63, B58, B53	(L-3)	
Klein, Tirza	64	100	+		+	+				+	+		B27, B37, B63>	54	100	+	+	+	+	+	+	+	+	+	+		B82	(L-3)
Leech MD, Ste	???	???	+	+		+				+	+		A25, A80, B27>	???	???	+	+	+	+	+			+				(L-3)	
Loewenthal M	90	???	+	+			+			+			A24, B60, B27>	60	???	+	+	+	+	+	+	+	+	+		B44	(L-3)	
MacCann, Eile	50	???	+			+	+			+			A30, A31, B60, B7>	54	???	+	+	+	+	+	+	+	+	+		B12, B49	(L-3)	
McAlack, Robe	9	100	+	+	+		+	+		+			B38	11	100	+	+	+	+	+	+						(L-3)	
McAlack-Bala	60	100	+	+	+	+		+	+		+	+		64	100	+	+	+	+	+	+	+		+			(L-3)	
McCluskey, Ja	11	???	+		+	+		+		+			B40, B41, B27>	???	???	+	+		+	+	+	+	+	+		2708, B40, CX17	(L-3)	
Meyer, Pieter	20	???	+	+	+				+	+	+		B73, B27, B52	9	???	+		+								B44, B49, B50	(L-3)	
Moore, S. Brea	23	???	+	+	+	+	+	+	+	+	+	+		20	???	+	+	+	+	+	+	+	+	+	+		CX17	(L-3)
Ozawa, Mikki	???	???	+				+			+			B27, B81, B60, B7>	???	???	+		+		+			+			A32, B53, B59>	(L-3)	
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	+	+	B52, B63	???	???	+	+	+	+	+	+	+	+	+		CX17	(L-3)	
Permpikul &	???	100	+	+	+					+				???	100	+	+	+	+	+	+		+			B50, B49	(L-3)	
Phelan, Donna	21	???	+	+	+	+	+			+			A25, BW4, B50>	16	???	+	+	+	+	+	+	+	+	+	+		B40, B12, CX17	(L-3)
Pidwell/Aska	24	100	+	+	+		+	+			+		A80	66	100	+	+	+	+	+	+		+			CX17, 8101, B49	(F-3)	
Rees, Tracey	???	???	+		+	+	+	+	+	+	+	+	B52	???	???	+	+	+	+	+	+	+	+	+		2708	(L-3)	
Rosen-BronGT	34	100	+	+	+	+	+	+	+	+	+	+	B50, B63, A25	40	100	+	+	+	+	+	+	+	+	+		B49, B50	(L-3)	
Sage, Deborah	82	???	+	+	+	+	+	+	+	+	+	+	A25, B52, B63>	62	???	+	+	+	+	+		+	+	+		B44, B49, B50	(L-3)	
Smith/MI,	49	???	+	+	+	+	+	+	+	+	+	+	B63	40	???	+	+	+	+	+	+		+			2708, CX17	(L-3)	
Suciu-Foca, N	???	100	+	+	+	+	+	+	+	+	+	+	B63	???	100	+	+	+	+	+	+	+		+		CX17	(L-3)	
Tagliere, Jac	???	???	+	+	+	+	+	+	+	+	+	+	B52	???	???	+	+	+	+	+	+	+	+	+		CX17	(L-3)	
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	+	+	B63	???	???	+	+	+	+	+	+	+	+	+		CX17	(L-3)	

(3) - L-Luminex, F-Flow

\*\*\*\*\* SERUM NO.1007 \*\*\*\*\* SERUM NO.1008 \*\*\*\*\*

\*\*\* 39 TYPING LABS \*\*\*

B13	100%	1.000
A32	77%	1.000
B49	74%	1.000
B45	62%	1.000
B53	56%	1.000
B61	56%	0.933
B47	54%	1.000
B51	54%	0.889
B44	46%	0.909
B59	44%	0.944
B27	36%	0.842
B63	33%	1.000
B60	28%	0.938
B52	26%	1.000
A25	18%	1.000
B58	15%	1.000
B41	13%	1.000
A80	10%	1.000
B7	10%	1.000
B38	10%	1.000
B81	10%	0.800
A66	8%	1.000
B50	8%	1.000
B73	8%	1.000
A30	5%	1.000
B18	5%	1.000
B37	5%	1.000
B48	5%	1.000
B57	5%	0.667

\*\*\* 37 TYPING LABS \*\*\*

B13	100%	1.000
B61	89%	1.000
B7	89%	0.962
B60	84%	0.902
B27	84%	0.892
B47	81%	0.969
B81	68%	1.000
B41	49%	0.950
B45	43%	1.000
B48	41%	1.000
CX17	35%	1.000
B49	30%	0.882
B44	24%	1.000
2708	16%	1.000
B50	14%	0.833
B53	8%	1.000
A32	5%	1.000
B12	5%	1.000
B40	5%	1.000
B51	5%	1.000
B59	5%	1.000
B63	5%	1.000

\*\*\* 39 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: Luminex/Flow



\*\*\*\*\* SERUM NO. 1007 \*\*\*\*\* SERUM NO. 1008 \*\*\*\*\*

	SERUM NO. 1007			SERUM NO. 1008						METHOD		
	%	%	B	B	B	B	B	B				
	POS	8'S	1	4	2	1	2	7	6	6		
Cecka, J. Mich	5	100	+			9	100	+			(4)	
Cooper, E. Sh	5	60	+			5	33	+			(4)	
Dunn, Dale Dr	3	50	+			3	50	+			(4)	
Eckels/CPMC,	33	100	+	+	B7, B42, B60, B61	30	100	+	+	+	B47	(4)
Hahn, Amy B.	10	100	+			7	33	+			B55	(4)
Klein, Jon MD	39	???	+	+	A32, B52, B58	38	???	+	+	+		(4)
Smith/MI,	10	???	+	+		9	???	+				(4)
Suciu-Foca, N	8	50	+		B53	35	72	+	+			(4)

\*\*\*\*\* SERUM NO.1007 \*\*\*\*\* SERUM NO.1008 \*\*\*\*\*

\*\*\* 8 TYPING LABS \*\*\*

B13	100%	1.000
B49	25%	1.000
B27	25%	0.714
B53	13%	1.000
B42	13%	0.667
B52	13%	0.667
B58	13%	0.667
B60	13%	0.600
A32	13%	0.500
B61	13%	0.500
B7	13%	0.400

\*\*\* 8 TYPING LABS \*\*\*

B13	100%	1.000
B27	38%	0.889
B60	25%	1.000
B61	25%	0.857
B7	25%	0.714
B47	13%	1.000
B55	13%	0.667

\*\*\* 8 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: Antiglobulin

\*\*\*\*\* SERUM NO. 1007 \*\*\*\*\* SERUM NO. 1008 \*\*\*\*\*

	%	%	B	B	B	B	B	A	A		%	%	B	B	B	B		METHOD
	POS	8'S	1	5	5	5	5	8	3		POS	8'S	3	1	7	7	1	
Choo, Yoon MD	13	50	+							A1, B42	5	100	+					(5)
Esteves-Kond	18	100	+	+						B49	13	67	+	+	+			(5)
Hahn, Amy B.	15	???	+	+	+	+	+	+	+	B44	10	???	+	+	+	+	+	B48
McAlack, Robe	21	100	+	+	+	+	+	+	+	B57	9	100	+	+	+	+	+	(5)

\*\*\*\*\* SERUM NO.1007 \*\*\*\*\* SERUM NO.1008 \*\*\*\*\*

\*\*\* 4 TYPING LABS \*\*\*

B13	100%	1.000
B53	75%	0.833
A32	50%	1.000
A80	50%	1.000
B51	50%	1.000
B52	50%	1.000
B58	50%	1.000
B44	25%	1.000
B57	25%	1.000
B42	25%	0.500
B49	25%	0.500
A1	25%	0.400

\*\*\* 4 TYPING LABS \*\*\*

B13	100%	1.000
B81	75%	1.000
B27	75%	0.833
B7	50%	1.000
B61	50%	1.000
B48	25%	1.000

\*\*\* 4 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: FEB 3 2010 \*\*\*\*\*

Method: Elisa

INVESTIGATOR	DNA EXTRACT #465 (Caucasian)			B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*0282N	*680101	*40	*44	*03	*05	RSSO, SSP, SBT
8062	Al-Attas, Rab	*02	*68	*40	*44	*03	*05	RVSSO
2300	Allegheny Ge	*02	*68	*40	*44	*03	*05	RVSSO
745	Anthony Nola	*0282N	*680101	*4001	*44020101	*030401	*050101	SSO, SSP, SBT
2020	Barnardo, Mar	*0282N	*680101	*400101/0102	*44020101	*0304	*0501/03	SBT, PCR-SSP
4345	Blasczyk, Rai	*0282N	*6801	*4001/55	*4402/02S/19N/27	*0304	*0501/03	PCR-SBT
5106	Brown, Colin	*0282N	*6801	*4001/42/47/49/63	*44	*0304/09/10/28+	*05	SSOP, SBT, SSP
785	Chan, Soh Ha	*0282N	*6801	*4001/42/47/49+	*4402/09/14/19N/21+	*0304/07/09/28+	*05/*08	SBT
3224	Chen, Dongfen	*0282N	*6801	*4001	*4402	*0304	*0501	SBT, RSSO, SSP
8021	Clark, Brenda	*020101-0104/0106+	*6801/02/06+	*400101-0105/07+	*4402/11/16/19N+	*0302/0401+	*0501/03-07+	PCR-SSP
5219	Daniel, Dolly	*02	*68	*40	*44			PCR-SSOP
1108	Davis, Mary	*0282N	*6801	*4001	*4402	*0304	*0501	SSO, SSP
5323	Dhaliwal, J.	*02	*68	*40	*44	*03	*05	PCR-SSP
5891	Du, Keming	*0282N	*6801	*4001/63	*4402/19N/21	*0304	*0501	PCR-SBT
3186	Dunckley, Hea	*02	*68	*4001/07/22N/30+	*44	*0304-06/08-10+	*05	SSP
3766	Dunn, Paul	*02	*68	*40	*44	*03	*05	PCR-SSO
3428	Eckels/Utah	*02	*6801/25/43	*40	*44			
4251	Ellis, Thomas	*0282N	*6801	*4001	*4402/19N	*0304	*0501	PCR-SSO, SEQ
762	Fischer&Mayr	*0282N	*6801	*4001/55	*4402/19N/27/66	*0304	*0501/03	RSSO, SSP, SBT
3135	Fischer, John	*0282N	*6801	*4001	*4402/02S/19N	*0304	*0501	SBT, PCR-SSO
4691	Hajeer, Ali	*02	*68	*40	*44	*03	*05	SSO
810	Hamdi, Nuha	*0201	*6801	*4001	*4402	*0304	*0501	SSO
5803	Henrico's Do	*02	*68	*40(B60)	*44	*03(Cw10)	*05	SSP, SSO
1461	Hidajat, Mela	*0282N	*6801	*4001	*4402	*0304	*0501	SSO, SSP
615	Holdsworth, R	*0282N	*6801	*4001/55	*4402/02S/19N/27/66	*0304	*0501/03	SBT
2344	Hurley&Hartz	*0282N	*680101/0107	*400101/0102/55	*44020101/020102S+	*030401/0403	*05010101+	SBT
797	Kato, Shunich	*0201/01L/07+	*6801/22/25+	*4001/22N/47+	*4402/02S/09+	*0304-06+	*0501/03/05+	SSO
2847	Kihara, Masaa	*02	*68	*40	*44	*03	*05	RVSSO
87	Land, Geoff	*0282N	*6801	*4001	*4402	*0304	*0501	SSP, SBT, SSO
278	Lee, Jar-How	*0282N	*6801/43	*4001/81/87/88	*4402/63	*0304	*0501/06/21	SSP, RVSSOP
640	Lee, Kyung Wh	*0282N	*6801	*4001/47/49/63	*4402/09/19N/21/55	*0304	*0501	PCR-SBT
4651	Leech, Stephe	*02	*68	*40	*44	*03	*05	SSOP
9916	McIntyre, Joh	*0282N	*680101	*4001	*44020101	*0304/57	*0501/19/21+	SBT, SSP
794	Merenmies, Ju	*0282N	*6801	*4001	*4402	*0304	*0501	SBT, SSO
8042	Muncher, Lior	*0282N/01	*6801	*4001	*4402	*0304	*0501	
733	Mytilineos, J	*02	*68	*40	*44	*03	*05	PCR-SSO
8022	Olerup, Olle	*0282N	*6801	*4001	*4402	*0304	*0501	SSP
8065	Padua, Florec	*02	*68	*40(B60)	*44			SSP
5096	Park, Yun Mi	*02	*68	*40	*44			PCR-SSO
3648	Pereira, Noem	*0282N	*6801	*4001/22N/47/49+	*4402/02S/09/19N+	*0304-06/09+	*0501/03/05+	RSSO, SSP, SBT
3966	Permpikul&Ve	*02	*68	*40	*44	*0304	*0501	PCR-SSP
2400	Phelan, Donna	*0282N	*6801	*4001	*4402/19N	*0304	*0501	RSSO, SSP, SBT
3753	Reed, Elaine	*0282N	*6801	*4001/42/47/49/63	*4402/09/14/19N/21+	*0304/07/09/10+	*0501/05/10+	SBT
3625	Rees, Tracey	*02	*68	*40(B60)	*44	*03(Cw10)	*05	PCR-SSP
3798	Reinsmoen, N	*0282N	*680101	*4001	*44020101/020102S+	*030401	*050101	SSP, RSSO, SBT
1694	Sauer&Gottwa	*02	*68	*40	*44	*03	*05	SSP
3545	Scornik, Juan	*0282N	*6801	*4001	*4402/19N	*0304	*0501	RVSSOP, SBT
735	Smith/MI	*0282N	*6801	*4001/47/49	*4402/02S/09/55	*0304	*0501	SEQ, SSP, SSOP
13	Tagliere, Jac	*0282N	*6801	*4001	*4402	*0304	*0501	SSP
4021	Trachtenberg	*02	*68	*40	*44	*03	*05	RVSSO, SSP

INVESTIGATOR		DNA EXTRACT #466						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon	*020601	*300201	*180101/17N	*3908	*05	*07	RSSO, SSP, SBT
8062	Al-Attas, Rab	*02	*30	*18	*39	*05	*07	RVSSO
2300	Allegheny Ge	*02	*30	*18	*39	*05	*07	RVSSO
745	Anthony Nola	*020601	*300201	*180101	*3908	*050101	*070201	SSO, SSP, SBT
2020	Barnardo, Mar	*020601	*300201	*180101/17N	*3908	*0501/03// *0525	*0702/05/66+	SBT, PCR-SSP
4345	Blasczyk, Rai	*0206/*9226	*3002	*1801/17N	*3908	*0501/03	*0702/50	PCR-SBT
5106	Brown, Colin	*0206/10/21/28/61+	*3002/10	*18	*3908	*0501	*0702	SSOP, SBT, SSP
785	Chan, Soh Ha	*0206/*9226	*3002	*1801/17N/23N	*3908	*0501/03/07N+	*0702/17/37+	SBT
3224	Chen, Dongfen	*0206	*3002	*1801	*3908	*0501	*0702/50	SBT, RSSO, SSP
8021	Clark, Brenda	*020101-0104/0106+	*3001-0202/0204+	*1801-08/10+	*3902/08/13+	*0501/03-07+	*0702/03/10+	PCR-SSP
5219	Daniel, Dolly	*02	*30	*18	*39			PCR-SSOP
1108	Davis, Mary	*0206	*3002	*1801/27	*3908	*0501	*0702	SSO, SSP
5323	Dhaliwal, J.	*02	*30	*18	*39	*05	*07	PCR-SSP
5891	Du, Keming	*0206	*3002	*1801/17	*3908	*0501/23	*0702/50/17	PCR-SBT
3186	Dunckley, Hea	*02	*30	*18	*39	*05	*07	SSP
3766	Dunn, Paul	*02	*3002/10/12	*18	*3908	*05	*07	PCR-SSO
3428	Eckels/Utah	*0206/*9226/44	*3002	*18	*3908			
4251	Ellis, Thomas	*0206	*3002	*1801/17N	*3908	*0501/23	*0702/17/50	PCR-SSO, SEQ
762	Fischer&Mayr	*0206/*9226	*3002	*1801	*3908	*0501/03	*0702/50/66	RSSO, SSP, SBT
3135	Fischer, John	*0206	*3002	*1801/17N	*3908	*0501	*0702/50	SBT, PCR-SSO
4691	Hajeer, Ali	*02	*30	*18	*39	*05	*07	SSO
810	Hamdi, Nuha	*0206	*3002	*1801	*3908	*0501	*0702	SSO
5803	Henrico's Do	*02	*30	*18	*39	*05	*07	SSO
1461	Hidajat, Mela	*0206	*3002	*1801	*3908	*0501	*0702	SSO, SSP
615	Holdsworth, R	*0206/*9226	*3002	*1801/17N	*3908	*0501/03	*0702/50/66+	SBT
2344	Hurley&Hartz	*020601/*9226	*300201/0202	*180101/0103/17N	*3908	*05010101+	*07020102+	SBT
797	Kato, Shunich	*0206/10/21+	*3002/10/12+	*1801-03+	*3908	*0501/03/05+	*0702/03/17+	SSO
2847	Kihara, Masaa	*02	*30	*18	*39	*05	*07	RVSSO
87	Land, Geoff	*0206	*3002	*1801	*3908	*0501	*0702	SSP, SBT, SSO
278	Lee, Jar-How	*0206	*3002	*1801/23N/28/32	*3908	*0501/21/23	*0702/16N/62	SSP, RVSSOP
640	Lee, Kyung Wh	*0206	*3002	*1801/17N	*3908	*0501	*0702/50	PCR-SBT
4651	Leech, Stephe	*02	*30	*18	*39	*05	*07	SSOP
9916	McIntyre, Joh	*020601	*300201	*1801/17N	*3908	*0501/19/21/24	*0702/61N+	SBT, SSP
794	Merenmies, Ju	*0206	*3002	*1801	*3908	*0501/23	*0702/17/50	SBT, SSO
8042	Muncher, Lior	*0206	*3002	*1801	*3908	*0501	*0702	
733	Mytilineos, J	*02	*30	*18	*39	*05	*07	PCR-SSO
8022	Olerup, Olle	*0206	*3002	*1801	*3908	*0501	*0702	SSP
8065	Padua, Florec	*2629/*34	*3013/16	*18	*3902			SSP
5096	Park, Yun Mi	*02	*30	*18	*39			PCR-SSO
3648	Pereira, Noem	*0206	*3002	*1801-03/05+	*3908	*0501/03/05/06+	*0702/03/17+	RSSO, SSP, SBT
3966	Permpikul&Ve	*0206	*30	*18	*39	*0501	*0702	PCR-SSP
2400	Phelan, Donna	*0206	*3002	*1801/17N	*3908	*0501	*0702	RSSO, SSP, SBT
3753	Reed, Elaine	*0206	*3002	*1801/17N	*3908	*0501/11/23/25	*0702/17/37+	SBT
3625	Rees, Tracey	*02	*30	*18	*39	*05	*07	PCR-SSP
3798	Reinsmoen, N	*020601	*300201	*180101/17N	*3908	*050101	*070201/50	SSP, RSSO, SBT
1694	Sauer&Gottwa	*02	*30	*18	*39	*05	*07	SSP
3545	Scornik, Juan	*020601	*300201	*1801/17N	*3908	*0501	*0702/50	RVSSOP, SBT
735	Smith/MI	*0206	*3002	*1801/17N	*3908	*0501/11/23/25	*0702/17/37+	SEQ, SSP, SSOP
13	Tagliere, Jac	*0206	*3002	*1826	*3908	*0501	*0702	SSP
4021	Trachtenberg	*02	*30	*18	*39	*05	*07	RVSSO, SSP

INVESTIGATOR		DNA EXTRACT #467 (Hispanic)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*0201	*2402	*390202	*510101	*030401/08	*1509/20	RSSO, SSP, SBT
8062	Al-Attas, Rab	*02	*24	*39	*51	*03	*15	RVSSO
2300	Allegheny Ge	*02	*24	*39	*51	*03	*15	RVSSO
745	Anthony Nola	*0201	*2402	*390202	*510101	*030401	*1509	SSO, SSP, SBT
2020	Barnardo, Mar	*02010101/010102L	*24020101	*390202	*510101	*0304	*1509	SBT, PCR-SSP
4345	Blasczyk, Rai	*0201/01L/09/43N+	*2402/02L/09N/11N+	*3902	*5101/11N/30/32/48+	*0304	*1509	PCR-SBT
5106	Brown, Colin	*02	*24	*3902/23	*51	*03	*15	SSOP, SBT, SSP
785	Chan, Soh Ha	*02	*24	*3902	*5101/11N/30/32/48+	*0304/08/40	*1506/09/20	SBT
3224	Chen, Dongfen	*0201	*2402	*3902	*5101	*0304	*1509	SBT, RSSO, SSP
8021	Clark, Brenda	*020101-0104/0106+	*2402/03/07+	*3902/08/13+	*510101-0103/0105+	*0302/0401+	*1502-06+	PCR-SSP
5219	Daniel, Dolly	*02	*24	*39	*51			PCR-SSOP
1108	Davis, Mary	*0201	*2402	*3902	*5101	*0304	*1509	SSO, SSP
5323	Dhaliwal, J.	*02	*24	*39	*51	*03	*15	PCR-SSP
5891	Du, Keming	*0201/04/70/87	*2402/52/29/28	*3902	*5101	*0304/08/40	*1509/20/06	PCR-SBT
3186	Dunckley, Hea	*02	*24	*39	*51	*0304-06/08-10+	*15	SSP
3766	Dunn, Paul	*02	*24	*3902/23	*51	*03	*15	PCR-SSO
3428	Eckels/Utah	*02	*24	*3902/23	*51			
4251	Ellis, Thomas	*0201	*2402	*3902	*5101	*0304/08	*1509/20	PCR-SSO, SEQ
762	Fischer&Mayr	*0201	*2402	*3902	*5101/11N/30/32/48+	*0304	*1509	RSSO, SSP, SBT
3135	Fischer, John	*0201/01L//0212	*2402//2413	*3902	*5101	*0304	*1509	SBT, PCR-SSO
4691	Hajeer, Ali	*02	*24	*39	*51	*03	*15	SSO
810	Hamdi, Nuha	*0201	*2402	*3902	*5101	*0309	*1505	SSO
5803	Henrico's Do	*02	*24	*39	*51	*03(Cw10)	*15	SSO
1461	Hidajat, Mela	*0201	*2402	*3902	*5101	*0304	*1509	SSO, SSP
615	Holdsworth, R	*0201/09/43N/66+	*2402/09N/11N/40N+	*3902	*5101/11N/30/32/48+	*0304	*1509	SBT
2344	Hurley&Hartz	*02010101/010102L+	*24020101/020102L+	*390202	*510101/0105/0107+	*030401/0403	*1509	SBT
797	Kato, Shunich	*0201/01L/04+	*2402/03/09N+	*3902/23	*51010/03/11N+	*0304-06+	*1505/06/09+	SSO
2847	Kihara, Masaa	*02	*24	*39	*51	*03	*15	RVSSO
87	Land, Geoff	*0201	*2402	*3902	*5101	*0304	*1509	SSP, SBT, SSO
278	Lee, Jar-How	*0201	*2402	*3902	*5101	*0304	*1509	SSP, RVSSOP
640	Lee, Kyung Wh	*0201	*2402	*3902	*5101	*0304/08	*1509/20	PCR-SBT
4651	Leech, Stephe	*02	*24	*39	*51	*03	*15	SSOP
9916	McIntyre, Joh	*020101	*24020101	*390202	*510101	*0304/47	*1509	SBT, SSP
794	Merenmies, Ju	*0201	*2402	*3902	*5101	*0304	*1509	SBT, SSO
8042	Muncher, Lior	*0201	*2402	*3902	*5101	*0304	*1509	
733	Mytilineos, J	*02	*24	*39	*51	*03	*15	PCR-SSO
8022	Olerup, Olle	*0201	*2402	*3902	*5101	*0304	*1509	SSP
8065	Padua, Florec	*02	*24	*3902	*51			SSP
5096	Park, Yun Mi	*02	*24	*39	*51			PCR-SSO
3648	Pereira, Noem	*0201/01L	*2402	*3902/23	*5101/03/11N/18+	*0304	*1509	RSSO, SSP, SBT
3966	Permpikul&Ve	*02	*24	*39	*51	*0304	*1504	PCR-SSP
2400	Phelan, Donna	*0201	*2402	*3902	*5101	*0304	*1509	RSSO, SSP, SBT
3753	Reed, Elaine	*0201/04/12/36/58+	*2402/03/13/14/28+	*3902	*5101	*0304/08/40	*1506/09/20	SBT
3625	Rees, Tracey	*02	*24	*39	*51	*03(Cw10)	*1504/07/19	PCR-SSP
3798	Reinsmoen, N	*020101/01L	*240201/01L	*390202	*510101	*030401	*1509	SSP, RSSO, SBT
1694	Sauer&Gottwa	*02	*24	*39	*51	*03	*15	SSP
3545	Scornik, Juan	*0201	*2402	*390202	*510101	*030401	*1509	RVSSOP, SBT
735	Smith/MI	*0201	*2402	*3902	*5101	*0304	*1509	SEQ, SSP, SSOP
13	Tagliere, Jac	*0201	*2402	*3902	*5101	*0304	*1509	SSP
4021	Trachtenberg	*02	*24	*39	*51	*03	*15	RVSSO, SSP

INVESTIGATOR		DNA EXTRACT #468								method
CTR	NAME	A1	A2	B1	B2	C1	C2			
5488	Adams, Sharon	*03	*24	*350201	*5105	*04				RSSO, SSP, SBT
8062	Al-Attas, Rab	*03	*24	*35	*51	*04				RVSSO
2300	Allegheny Ge	*03	*24	*35	*51	*04				RVSSO
745	Anthony Nola	*030101	*240201	*350201	*5105	*040101				SSO, SSP, SBT
2020	Barnardo, Mar	*03010101	*24020101	*350201	*5105	*0401/28/30/41				SBT, PCR-SSP
4345	Blasczyk, Rai	*0301/01N/20/21N+	*2402/02L/09N/11N+	*3502	*5105	*0401/09N/28/30				PCR-SBT
5106	Brown, Colin	*03	*24	*3502/83	*5105	*04				SSOP, SBT, SSP
785	Chan, Soh Ha	*03	*24	*3502	*5105	*0401/09N/28/30/41				SBT
3224	Chen, Dongfen	*0301	*2402	*3502	*5105	*0401/09N/30				SBT, RSSO, SSP
8021	Clark, Brenda	*0301-04/07+	*2402/03/07+	*3501-0401/06+	*510101-0103/0105+	*040101-0104/0106+				PCR-SSP
5219	Daniel, Dolly	*03	*24	*35	*51					PCR-SSOP
1108	Davis, Mary	*0301	*2402	*3502	*5105	*0401	*0401			SSO, SSP
5323	Dhaliwal, J.	*03	*24	*35	*51	*04				PCR-SSP
5891	Du, Keming	*0301/07/08	*2402/56/07	*3502	*5105	*0401	*0401			PCR-SBT
3186	Dunckley, Hea	*03	*24	*35	*51	*04				SSP
3766	Dunn, Paul	*03	*24	*3502	*5105	*04				PCR-SSO
3428	Eckels/Utah	*03	*24	*3502	*5105					
4251	Ellis, Thomas	*0301	*2402	*3502	*5105	*0401/30	*0401/30			PCR-SSO, SEQ
762	Fischer&Mayr	*0301/20/21N/26+	*2402	*3502	*5105	*0401/09N/28/30				RSSO, SSP, SBT
3135	Fischer, John	*0301	*2402	*3502	*5105	*0401/09N/30				SBT, PCR-SSO
4691	Hajeer, Ali	*03	*24	*35	*51	*04	*04			SSO
810	Hamdi, Nuha	*0301	*2402	*3502	*5105	*0401	*0405			SSO
5803	Henrico's Do	*03	*24	*35	*51	*04				SSO
1461	Hidajat, Mela	*0301	*2402	*3502	*5105	*0401	*0401			SSO, SSP
615	Holdsworth, R	*0301/01N/20/21N+	*2402/09N/11N/40N+	*3502	*5105	*0401/09N/28/30/41				SBT
2344	Hurley&Hartz	*03010101/010102N+	*24020101/020102L+	*350201	*5105	*04010102+	*04010102+			SBT
797	Kato, Shunich	*0301/01N/03N+	*2402/05/07+	*3502	*5105	*0401/05/07+				SSO
2847	Kihara, Masaa	*03	*24	*35	*51	*04				RVSSO
87	Land, Geoff	*0301	*2402	*3502	*5105	*0401	*0401			SSP, SBT, SSO
278	Lee, Jar-How	*0301/46	*2402	*3502	*5105	*0401/20/35				SSP, RVSSOP
640	Lee, Kyung Wh	*0301	*2402	*3502	*5105	*0401/09N/30				PCR-SBT
4651	Leech, Stephe	*03	*24	*35	*51	*04				SSOP
9916	McIntyre, Joh	*030101	*24020101	*350201	*5105	*0401/38/40/41	*0401/38/40+			SBT, SSP
794	Merenmies, Ju	*0301	*2402	*3502	*5105	*0401/30				SBT, SSO
8042	Muncher, Lior	*0301	*2402	*3502	*5105	*0401				
733	Mytilineos, J	*03	*24	*35	*51					PCR-SSO
8022	Olerup, Olle	*0301	*2402	*3502	*5105	*0401				SSP
8065	Padua, Florec	*03	*24	*35	*51					SSP
5096	Park, Yun Mi	*03	*24	*35	*51					PCR-SSO
3648	Pereira, Noem	*0301/01N/03N/04+	*2402/05/07/09N+	*3502	*5105	*0401/30	*0401/30			RSSO, SSP, SBT
3966	Permpikul&Ve	*03	*24	*35	*51	*04				PCR-SSP
2400	Phelan, Donna	*0301	*2402	*3502	*5105	*0401				RSSO, SSP, SBT
3753	Reed, Elaine	*0301/07/08/15/17	*2402/07/21/53/56	*3502	*5105	*0401/09N/30	*0401/09N/30			SBT
3625	Rees, Tracey	*03	*24	*35	*51	*04				PCR-SSP
3798	Reinsmoen, N	*030101/01N	*240201/01L	*350201	*5105	*040101/09N/30				SSP, RSSO, SBT
1694	Sauer&Gottwa	*03	*24	*35	*51	*04				SSP
3545	Scornik, Juan	*0301	*2402	*3502	*5105	*0401/09N/30				RVSSOP, SBT
735	Smith/MI	*0301/15/17	*2402/21/53	*3502	*5105	*0401/28/30/41				SEQ, SSP, SSOP
13	Tagliere, Jac	*0301	*2402	*3502	*5105	*0401				SSP
4021	Trachtenberg	*03	*24	*35	*51	*04				RVSSO, SSP

## SUMMARY

<p>Extract 465 (Caucasian)</p> <p><u>50 labs</u></p> <p>A*02 42%</p> <p>A*0201 2%</p> <p>A*0282N 56%</p> <p>A*02 100% TOTAL</p> <p>A*68 42%</p> <p>A*6801 48%</p> <p>A*680101 10%</p> <p>A*68 100% TOTAL</p> <p><u>50 labs</u></p> <p>B*40 58%</p> <p>B*4001/55 8%</p> <p>B*4001 34%</p> <p>B*40 100% TOTAL</p> <p>B*44 66%</p> <p>B*4402/19N 10%</p> <p>B*4402 18%</p> <p>B*44020101 6%</p> <p>B*44 100% TOTAL</p> <p><u>46 labs</u></p> <p>Cw*03 46%</p> <p>Cw*0304 50%</p> <p>Cw*030401 4%</p> <p>Cw*03 100% TOTAL</p> <p>Cw*05 46%</p> <p>Cw*0501/03 11%</p> <p>Cw*0501 37%</p> <p>Cw*050101 4%</p> <p>Cw*05 98% TOTAL</p>	<p>Extract 466</p> <p><u>50 labs</u></p> <p>A*02 38%</p> <p>A*0206/*9226 10%</p> <p>A*0206 38%</p> <p>A*020601 12%</p> <p>A*02 98% TOTAL</p> <p>A*30 40%</p> <p>A*3002 48%</p> <p>A*300201 12%</p> <p>A*30 100% TOTAL</p> <p><u>50 labs</u></p> <p>B*18 50%</p> <p>B*1801/17N 24%</p> <p>B*180101/17N 6%</p> <p>B*1801 16%</p> <p>B*180101 2%</p> <p>B*18 98% TOTAL</p> <p>B*39 32%</p> <p>B*3902 2%</p> <p>B*3908 66%</p> <p>B*39 100% TOTAL</p> <p><u>46 labs</u></p> <p>Cw*05 57%</p> <p>Cw*0501/03 9%</p> <p>Cw*0501 30%</p> <p>Cw*050101 4%</p> <p>Cw*05 100% TOTAL</p> <p>Cw*07 63%</p> <p>Cw*0702/50 11%</p> <p>Cw*070201/50 2%</p> <p>Cw*0702 22%</p> <p>Cw*070201 2%</p> <p>Cw*07 100% TOTAL</p>	<p>Extract 467 (Hispanic)</p> <p><u>50 labs</u></p> <p>A*02 56%</p> <p>A*0201 38%</p> <p>A*020101 6%</p> <p>A*02 100% TOTAL</p> <p>A*24 56%</p> <p>A*2402 38%</p> <p>A*240201 2%</p> <p>A*24020101 4%</p> <p>A*24 100% TOTAL</p> <p><u>50 labs</u></p> <p>B*39 32%</p> <p>B*3902/23 10%</p> <p>B*3902 44%</p> <p>B*390202 14%</p> <p>B*39 100% TOTAL</p> <p>B*51 54%</p> <p>B*5101 34%</p> <p>B*510101 12%</p> <p>B*51 100% TOTAL</p> <p><u>46 labs</u></p> <p>Cw*03 37%</p> <p>Cw*0304/08/40 7%</p> <p>Cw*0304/08 4%</p> <p>Cw*030401/08 2%</p> <p>Cw*0304 41%</p> <p>Cw*030401 7%</p> <p>Cw*0309 2%</p> <p>Cw*03 100% TOTAL</p> <p>Cw*15 34%</p> <p>Cw*1506/09/20 7%</p> <p>Cw*1509/20 7%</p> <p>Cw*1504 2%</p> <p>Cw*1505 2%</p> <p>Cw*1509 48%</p> <p>Cw*15 100% TOTAL</p>	<p>Extract 468</p> <p><u>50 labs</u></p> <p>A*03 64%</p> <p>A*0301 28%</p> <p>A*030101 6%</p> <p>A*03010101 2%</p> <p>A*03 100% TOTAL</p> <p>A*24 60%</p> <p>A*2402 32%</p> <p>A*240201 4%</p> <p>A*24020101 4%</p> <p>A*24 100% TOTAL</p> <p><u>50 labs</u></p> <p>B*35 36%</p> <p>B*3502 52%</p> <p>B*350201 12%</p> <p>B*35 100% TOTAL</p> <p>B*51 34%</p> <p>B*5105 66%</p> <p>B*51 100% TOTAL</p> <p><u>46 labs</u></p> <p>Cw*04 59%</p> <p>Cw*0401/09N/30 13%</p> <p>Cw*0401/30 6%</p> <p>Cw*0401 20%</p> <p>Cw*040101 2%</p> <p>Cw*04 100% TOTAL</p>
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INVESTIGATOR	CELL NO.1377 (Hispanic)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
8062 Al-Attas,Rab	*02		*44	*51	*07	*14	RVSSO
745 Anthony Nola	*020101	*260101	*4403	*5107	*0701	*140201	SSO,SSP,SBT
2020 Barnardo,Mar	*02010101/010102L	*260101	*440301	*5107	*0701/06/18/52	*140201	SBT,PCR-SSP
5106 Brown,Colin	*02	*26	*44	*5107	*07	*1402/07N	SSOP,SSP,SBT
774 Cecka,J.Mich	*0201/*92	*26	*44	*51	*07	*14	SSP,SSOP
5232 Charlton,Ron	*0201	*2601	*4403	*5107	*0701	*1402	SSP,RVSSO
4492 Charron,D.	*02	*26	*44	*5107	*07	*14	
798 Claas,F.H.J.	*020101	*260101	*440301	*5107	*0701	*140201	SBT,RLB,SSP
3632 Colombe,Beth	*0201	*2601	*4403	*5107	*0701	*1402	SSP
3904 Cooper,E.Sha	*02	*26	*44	*51	*07	*14	PCR-SSP
5130 Costeas,Paul	*0201	*2601	*4403	*5107	*0701	*1402	SSP
779 Daniel,Claud	*02	*26	*44	*51	*07	*14	PCR-SSP
3186 Dunckley,Hea	*02	*26	*44	*51	*07	*14	SSP
3766 Dunn,Paul	*02	*26	*44	*5107	*07	*14	SSO,SSP
856 Dupont,Bo	*0201/09+	*2601/02/10/15+	*4403/07/26/30+	*5101+	*0701+	*1402/07N/11	SSO
5214 Eckels/CPMC	*02	*26	*44	*5107	*07	*14	SSOP
2332 Elkhalfifa,Mo	*02	*26	*44	*51	*07	*14	RVSSO
4251 Ellis,Thomas	*0201	*2601	*4403	*5107	*0701/06/18	*1402	PCR-SSO,SEQ
762 Fischer&Mayr	*0201	*2601/24/26	*4403	*5107	*0701/06/18/52	*1402	
8043 Gideoni,Osna	*0201	*2601	*4403	*5107	*0701	*1402	SSOP,SSP
810 Hamdi,Nuha	*0201	*2601	*4403	*5107	*0701	*1402	SSO
4269 Hanau,Daniel	*020101	*260101	*440301	*5107	*070101	*140201	PCR-SBT,SSP
741 Harvill,Terr	*02	*26	*4403	*5107	*0701	*1402	SSO
3808 Hogan,Patric	*02	*26	*44	*51	*07	*14	
771 Israel,Shosh	*0201	*2601	*4403	*5107	*0701	*1402	PCR-SSP
9003 Israel_LR	*02	*26	*44	*51	*07	*14	PCR-SSO
859 Kamoun,Malek	*0201	*2601	*4403	*5107	*0701	*1402	PCR-SSO,SSP
4337 Kim,Tai-Gyu	*0201	*2601	*4403	*5107	*0701	*1402	SBT
168 Klein,Tirza	*02	*26	*44	*51	*07	*14	PCR-SSO,SSP
278 Lee,Jar-How	*0201	*2601/23/24	*4403	*5107	*0701/59	*1402/11	SSP,RVSSOP
731 Loewenthal,R	*020101	*260101	*440301	*5107	*0701	*140201	SBT,SSO,SSP
759 Lopez-Cepero	*0201/04/07/09+	*2601/09/10/15+	*4403/13/26/35+	*5107	*0701/06/16/18+	*1402/04/08	RVSSO
23 Mah,Helen	*02	*26	*44	*5107	*07	*14	SSO,SSP
8029 Mani,Rama	*02	*26	*44	*51			PCR-SSP
792 Moore,S.Brea	*0201	*2601	*4403	*5107	*0701	*1402	PCR-SSO,SSP
4336 Park,Myoung	*02	*26	*44	*5107	*07	*14	RVSSO
16 Pidwell/Aska	*020101	*260101	*440301	*5107	*070101/18	*140201	RSSOP,SBT,SSP
4689 Rajczy,Katal	*020101/*9201	*260101/09	*440301	*5107	*07	*1402/06-08	PCR-RVSSO,SBT
3625 Rees,Tracey	*02	*26	*44	*51	*07	*1402/07	PCR-SSP
5200 Reinke,Denni	*02	*26	*44	*51	*07	*14	SSP
1160 Rosen-BronGT	*02	*26	*44	*5107	*07	*14	RVSSO
793 Rubocki,Ron	*02	*26	*44	*51	*07	*14	PCR-SSP
4948 Sage,Deborah	*0201/24/*9201	*2601/09/10	*4403	*5107	*0701/06/18/52	*1402	SSO,SBT
8001 Sheikh,Maqso	*02	*26	*44	*51	*07	*14	RVSSOP,SSP
769 Tavoularis,S	*0201	*2601	*4403	*5107	*0701	*1402	SSO,SBT,SSP
747 Tiercy,Jean-	*0201g	*2601/24/26/37	*4403	*5107			PCR-RVSSO
5451 Tilanus,Marc	*020101	*260101	*440301	*5107	*070101	*140201	SBT
705 Watkins,Davi	*0201g	*2601g	*4403/26/35/36+	*5107	*0701g	*1402/07N/11	



INVESTIGATOR		CELL NO.1378 (Filipino)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*11	*24	*40		*04		RVSSO
745	Anthony Nola	*1101	*2402	*4001	*4010	*040101	*0403	SSO,SSP,SBT
2020	Barnardo,Mar	*110101	*24020101	*400101/0102	*4010	*0401/28/30/41	*0403	SBT,PCR-SSP
5106	Brown,Colin	*11	*24	*4001	*4010	*04		SSOP,SSP,SBT
774	Cecka,J.Mich	*11	*24	*40	*4010	*04	*0403/16	SSP,SSOP
5232	Charlton,Ron	*1101	*2402	*4001	*4010	*0401	*0403	SSP,RVSSO
4492	Charron,D.	*11	*24	*40	*4010	*04	*0403	
798	Claas,F.H.J.	*110101	*24020101	*400102	*4010	*040101	*0403	SBT,RLB,SSP
3632	Colombe,Beth	*1101	*2402	*4001	*4010	*0401	*0403	SSP
3904	Cooper,E.Sha	*11	*24	*(B60)		*04		PCR-SSP
5130	Costeas,Paul	*1101	*2402	*4001	*4010	*0401	*0403	SSP
779	Daniel,Claud	*11	*24	*40(B60)		*04		PCR-SSP
3186	Dunckley,Hea	*11	*24	*4001/55	*4010			SSP+SBT-B
3766	Dunn,Paul	*11	*24	*40	*4010		*0403	SSO,SSP
856	Dupont,Bo	*1101+	*2402+	*4001/14/22N/43+	*4061/69	*0401+	*0403	SSO
5214	Eckels/CPMC	*11	*24	*40(B60)	*4010	*04	*0403	SSOP
2332	Elkhalifa,Mo	*11	*24	*40		*04		RVSSO
4251	Ellis,Thomas	*1101	*2402	*4001	*4010	*0401/30	*0403	PCR-SSO,SEQ
762	Fischer&Mayr	*1101/21N	*2402	*4001/55	*4010	*0401/09N/28/30	*0403	
8043	Gideoni,Osna	*1101	*2402	*4001	*4010	*0401	*0403	SSOP,SSP
810	Hamdi,Nuha	*1101	*2402	*4038	*4010	*0401	*0403	SSO
4269	Hanau,Daniel					*04	*0403	PCR-RVSSO
741	Harvill,Terr	*1101	*2402	*4004	*4010	*0401	*0403	SSO
3808	Hogan,Patric	*11	*24	*40		*04		
771	Israel,Shosh	*1101	*2402	*4001	*4010	*0401	*0403	PCR-SSP
9003	Israel_LR	*11	*24	*40		*04		PCR-SSO
859	Kamoun,Malek	*1101	*2402	*4001	*4010	*0401	*0403	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*1101	*2402/09N	*4001	*4010	*0401	*0403	SBT
168	Klein,Tirza	*11	*24	*40		*04		PCR-SSO,SSP
278	Lee,Jar-How	*1101/21N/30/32	*2402/09N/11N	*4001/55	*4010	*0401/35	*0403	SSP,RVSSOP
731	Loewenthal,R	*1101	*2402	*4001	*4010	*040101	*0403/09N	SBT,SSO,SSP
759	Lopez-Cepero	*1101-03/05/07+	*2402/05/07/10+	*4001/14/38/42+	*4010	*0401/05/07/12+	*0403	RVSSO
23	Mah,Helen	*11	*24	*4001	*4010	*04	*0403	SSO,SSP
8029	Mani,Rama	*11	*24	*40				PCR-SSP
792	Moore,S.Brea	*1101	*2402	*4001	*4010	*0401	*0403	PCR-SSO,SSP
4336	Park,Myoung	*11	*24	*40		*04		RVSSO
16	Pidwell/Aska	*110101//*110107+	*240201//*240202+	*4001	*4010	*040101/30	*0403	RSSOP,SBT,SSP
4689	Rajczyk,Katal	*110101	*24020101	*4001	*4010	*04		PCR-RVSSO,SBT
3625	Rees,Tracey	*11	*24	*40		*04	*0403/16	PCR-SSP
5200	Reinke,Denni	*11	*24	*40(B60)		*04		SSP
1160	Rosen-BronGT	*11	*24	*40		*04		RVSSO
793	Rubocki,Ron	*11	*24	*40(B60)		*04		PCR-SSP
4948	Sage,Deborah	*1101/27	*2402/10	*4001/55	*4010	*0401/09N/28+	*0403	SSO,SBT
8001	Sheikh,Maqso	*11	*24	*4001/54/55/62+	*4010	*04		RVSSOP,SSP
769	Tavoularis,S	*1101	*2402	*4001	*4010	*0401	*0403	SSO,SBT,SSP
747	Tiercy,Jean-	*1101/21N/30/32+	*2402g	*4001g	*4010			PCR-RVSSO
5451	Tilanus,Marc	*110101	*24020101	*400102	*4010	*040101	*0403	SBT
705	Watkins,Davi	*1101g	*2402g	*4001g	*4010	*0401g	*0403	

INVESTIGATOR		CELL NO.1379 (Caucasian)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*02	*03	*08	*39	*07		RVSSO
745	Anthony Nola	*020101	*0302	*080101	*3924	*0701		SSO,SSP,SBT
2020	Barnardo,Mar	*02010101/010102L	*0302	*080101	*3924	*0701/06/18/52		SBT,PCR-SSP
5106	Brown,Colin	*0201	*0302	*0801	*3924	*07		SSOP,SSP,SBT
774	Cecka,J.Mich	*0201/*92	*03	*08	*39	*07		SSP,SSOP
5232	Charlton,Ron	*0201	*0302	*0801	*3924	*0701	*0701	SSP,RVSSO
4492	Charron,D.	NT						
798	Claas,F.H.J.	*020101	*0302	*080101	*3924	*070101		SBT,RLB,SSP
3632	Colombe,Beth	*0201	*0302	*0801	*3924	*0701		SSP
3904	Cooper,E.Sha	*02	*03	*08	*39	*07		PCR-SSP
5130	Costeas,Paul	*0201	*0302	*0801	*3924	*0701		SSP
779	Daniel,Claud	*02	*0302/10/31/32	*08	*39	*07		PCR-SSP
3186	Dunckley,Hea	*02	*03	*08	*39	*07		SSP
3766	Dunn,Paul	*02	*0302/07/31	*08	*3924	*07		SSO,SSP
856	Dupont,Bo	*0201/09+	*0302/31/32	*0801+	*3903/24/28/37/14	*0701/05/06/16/18/20/24/27+		SSO
5214	Eckels/CPMC	*02	*03	*08	*39	*07	*07	SSOP
2332	Elkhalifa,Mo	*02	*03	*08	*39	*07		RVSSO
4251	Ellis,Thomas	*0201	*0302	*0801	*3924	*0701/06/18	*0701/06/18	PCR-SSO,SEQ
762	Fischer&Mayr	*0201	*0302	*0801/19N	*3924	*0701/06/18/52		
8043	Gideoni,Osna	*0201	*0302	*0801	*3924	*0701		SSOP,SSP
810	Hamdi,Nuha	*0201	*0302	*0801	*3903	*0701	*0718	SSO
4269	Hanau,Daniel					*07		PCR-RVSSO
741	Harvill,Terr	*0201	*0302	*0801	*3903	*0701		SSO
3808	Hogan,Patric	*02	*03	*08	*39	*07		
771	Israel,Shosh	*0201	*0302	*0801	*3924	*0701		PCR-SSP
9003	Israel_LR	*02	*03	*08	*39	*07		PCR-SSO
859	Kamoun,Malek	*0201	*0302	*0801	*3924	*0701		PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0201	*0302	*0801	*3924	*0701		SBT
168	Klein,Tirza	*02	*03	*08	*39	*07		PCR-SSO,SSP
278	Lee,Jar-How	*0201	*0302	*0801	*3924	*0701/58/59		SSP,RVSSOP
731	Loewenthal,R	*020101	*0302	*080101	*3924	*0701		SBT,SSO,SSP
759	Lopez-Cepero	*0201/07/09/12+	*0302/07/31	*0801/15/18/22+	*3903/24/28	*0701/06/18/20/21+		RVSSO
23	Mah,Helen	*02	*0302/07/31	*08	*3924	*07	*07	SSO,SSP
8029	Mani,Rama	*02	*03	*08	*39			PCR-SSP
792	Moore,S.Brea	*0201	*0302	*0801	*3924	*0701		PCR-SSO,SSP
4336	Park,Myoung	*02	*03	*08	*39	*07		RVSSO
16	Pidwell/Aska	*020101	*0302	*080101	*3924	*070101/18		RSSOP,SBT,SSP
4689	Rajczyk,Katal	*020101	*0302	*080101	*3924	*07		PCR-RVSSO,SBT
3625	Rees,Tracey	*02	*03	*08	*39	*07		PCR-SSP
5200	Reinke,Denni	*02	*03	*08	*39	*07		SSP
1160	Rosen-BronGT	*02	*03	*08	*39	*07		RVSSO
793	Rubocki,Ron	*02	*03	*08	*39	*07		PCR-SSP
4948	Sage,Deborah	*0201/12	*0302/07	*0801/19N	*3924	*0701/06/18/52		SSO,SBT
8001	Sheikh,Maqso	*02	*03	*08	*39	*07		RVSSOP,SSP
769	Tavoularis,S	*0201	*0302	*0801	*3924	*0701		SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*020101	*0302	*080101	*3924	*070101		SBT
705	Watkins,Davi	*0201g	*0302/07/31	*0801g	*3903/06/09/24/28	*0701g		

INVESTIGATOR	CELL NO.1380 (Hispanic)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
8062 Al-Attas,Rab	*02	*68	*35	*39	*01	*07	RVSSO
745 Anthony Nola	*0201	*6803	*3543	*3908	*010201	*0717	SSO,SSP,SBT
2020 Barnardo,Mar	*02010101/010102L	*680301	*3543	*3908	*0102/25	*0717	SBT,PCR-SSP
5106 Brown,Colin	*02	*6803	*3543	*3908	*0102	*0717	SSOP,SSP,SBT
774 Cecka,J.Mich	*0201/*92	*68	*3543/67/79	*3902/08/13/23	*01	*07	SSP,SSOP
5232 Charlton,Ron	*0201	*6803	*3543	*3908	*0102	*0717	SSP,RVSSO
4492 Charron,D.	NT						
798 Claas,F.H.J.	*020101	*680301	*3543	*3908	*010201	*0717	SBT,RLB,SSP
3632 Colombe,Beth	*0201/95	*6803	*3543	*3908	*0102	*0717	SSP
3904 Cooper,E.Sha	*02	*68	*35	*39	*01	*07	PCR-SSP
5130 Costeas,Paul	*0201/95	*6803	*3543	*3908	*0102	*0717	SSP
779 Daniel,Claud	*02	*68	*35	*39	*01	*07	PCR-SSP
3186 Dunckley,Hea	*02	*68	*35	*39	*01	*07	SSP
3766 Dunn,Paul	*02	*6803	*3543/67/79	*3908	*01	*07	SSO,SSP
856 Dupont,Bo	*0201/09+	*6803/24	*3543/67/79	*3902+	*0102+	*0702+	SSO
5214 Eckels/CPMC	*02	*6803	*35	*3908	*01	*07	SSOP
2332 Elkhalfifa,Mo	*02	*68	*35	*39	*01	*07	RVSSO
4251 Ellis,Thomas	*0201	*6803	*3543	*3908	*0102	*0717	PCR-SSO,SEQ
762 Fischer&Mayr	*0201	*6803	*3543/67/79	*3908	*0102/25	*0717	
8043 Gideoni,Osna	*0201	*6803	*3543	*3908	*0102	*0717	SSOP,SSP
810 Hamdi,Nuha	*0201	*6803	*3543	*3908	*0102	*0703	SSO
4269 Hanau,Daniel					*01	*07	PCR-RVSSO
741 Harvill,Terr	*0201	*6803	*3543	*3908	*0102	*0717/03	SSO
3808 Hogan,Patric	*02	*68	*3543/67/79/86	*3902/08/13/23/49	*01	*07	
771 Israel,Shosh	*0201	*6803	*3543	*3908	*0102	*0717	PCR-SSP
9003 Israel_LR	*02	*68	*35	*39	*01	*07	PCR-SSO
859 Kamoun,Malek	*0201	*6803	*3543	*3908	*01	*0717	PCR-SSO,SSP
4337 Kim,Tai-Gyu	*0201	*6803	*3543	*3908	*0102	*0717	SBT
168 Klein,Tirza	*02	*68	*35	*39	*01	*07	PCR-SSO,SSP
278 Lee,Jar-How	*0201	*6803	*3543	*3908	*0102	*0717	SSP,RVSSOP
731 Loewenthal,R	*0201	*6803	*3543	*3908	*010201	*0717	SBT,SSO,SSP
759 Lopez-Cepero	*0201/07/09/18+	*6803	*3543/67/79	*3908	*0102/07/11/15+	*0703/17/23	RVSSO
23 Mah,Helen	*02	*6803	*3543	*3908	*01	*0703/17/23	SSO,SSP
8029 Mani,Rama	*02	*68	*35	*39			PCR-SSP
792 Moore,S.Brea	*0201	*6803	*3543	*3908	*0102	*0703/17	PCR-SSO,SSP
4336 Park,Myoung	*02	*68	*35	*39	*01	*07	RVSSO
16 Pidwell/Aska	*020101	*680301	*3543	*3908	*010201	*0717	RSSO,SBT,SSP
4689 Rajczyk,Katal	*0201/90	*6803/05	*3543	*3908	*01	*07	PCR-RVSSO,SBT
3625 Rees,Tracey	*02	*68	*3543/67/79	*3902/08/13/23/39	*01	*0703/17	PCR-SSP
5200 Reinke,Denni	*02	*68	*35	*39	*01	*07	SSP
1160 Rosen-BronGT	*02	*6803	*35	*3908	*01	*07	RVSSO
793 Rubocki,Ron	*02	*68	*35	*39	*01	*07	PCR-SSP
4948 Sage,Deborah	*0201	*6803	*3543/67/79	*3908	*0102/25	*1717	SSO,SBT
8001 Sheikh,Maqso	*02	*68	*35	*39	*01	*07	RVSSOP,SSP
769 Tavoularis,S	*0201	*6803	*3543	*3908	*0102	*0717	SSO,SBT,SSP
747 Tiercy,Jean-	NT						
5451 Tilanus,Marc	*020101	*680301	*3543	*3908	*010201	*0717	SBT
705 Watkins,Davi	*0201g	*6803	*3543/67/79	*3908	*0102g	*0717/23	

## Cell 1377 (Hispanic)

48 labs

A*02	58%
A*0201	27%
A*020101	15%
A*02	100% TOTAL

A*26	60%
A*2601	23%
A*260101	15%
A*26	98% TOTAL

48 labs

B*44	50%
B*4403	35%
B*440301	15%
B*44	100% TOTAL

B*51	31%
B*5107	69%
B*51	100% TOTAL

46 labs

Cw*07	54%
Cw*0701/06/18/52	7%
Cw*0701/06/18	2%
Cw*070101/18	2%
Cw*0701	31%
Cw*070101	4%
Cw*07	100% TOTAL

Cw*14	54%
Cw*1402	31%
Cw*140201	15%
Cw*14	100% TOTAL

## Cell 1378 (Filipino)

47 labs

A*11	62%
A*1101	30%
A*110101	8%
A*11	100% TOTAL

A*24	62%
A*2402	30%
A*24020101	8%
A*24	100% TOTAL

47 labs

B*40	47%
B*4001/55	9%
B*4001	36%
B*400102	4%
B*4004	2%
B*4038	2%
B*40	100% TOTAL

B*40	30%
B*4010	70%
B*40	100% TOTAL

45 labs

Cw*04	67%
Cw*0401	24%
Cw*040101	9%
Cw*04	100% TOTAL

Cw*04	38%
Cw*0403	62%
Cw*04	100% TOTAL

## Cell 1379 (Caucasian)

45 labs

A*02	51%
A*0201	33%
A*020101	16%
A*02	100% TOTAL

A*03	40%
A*0302/07/31	9%
A*0302/07	2%
A*0302	49%
A*03	100% TOTAL

45 labs

B*08	53%
B*0801	31%
B*080101	16%
B*08	100% TOTAL

B*39	44%
B*3903	5%
B*3924	51%
B*39	100% TOTAL

## Cell 1380 (Hispanic)

45 labs

A*02	58%
A*0201	33%
A*020101	9%
A*02	100% TOTAL

A*68	38%
A*6803	53%
A*680301	9%
A*68	100% TOTAL

45 labs

B*35	33%
B*3543/67/79	18%
B*3543	49%
B*35	100% TOTAL

B*39	36%
B*3908	64%
B*39	100% TOTAL

45 labs

Cw*01	60%
Cw*0102	29%
Cw*010201	11%
Cw*01	100% TOTAL

Cw*07	40%
Cw*0703/17/23	5%
Cw*0703/17	7%
Cw*0717/23	2%
Cw*0703	2%
Cw*0717	40%
Cw*07	96% TOTAL

INTERNATIONAL CELL EXCHANGE

***** CELL NO.1377 *****										***** CELL NO.1378 *****										***** CELL NO.1379 *****										***** CELL NO.1380 *****																		
V										V										V										V																		
I	(HISP)									I	(FILP)									I	(CAUC)									I	(HISP)																	
INVESTIGATOR	A	A	A	B	B	C	B			A	A	A	B	B	C	B			A	A	A	B	B	C	C	B																						
DAYS	B	2	2	4	5	W	W			B	1	2	6	4	W	W			B	2	3	8	3	W	W																							
NAME	OLD	%	6	4	1	7	4	OTHERS		%	1	4	0	0	4	6	OTHERS		%	9	7	6	OTHERS		%	8	5	9	1	7	6	OTHERS																
Abbal, Michel	3	100	+	+	+	+	+			100	+	+	+	+	+			100	+	+	+	+	+	+			100	+	+	+	+	+	+	+														
Alonso, Anton	7	90	+	+	+	+	+			90	+	+40	+	+	+			90	+	+	+	+	+	+	+			90	+	+	+	+	+	+	+													
Alvarez, Carr	3	90	+	+	+	+	+			90	+	+	+	+	+	+			90	+	+	+	+	+	+	+			90	+	+	+	+	+	+	+												
Anthony Nola	3	99	+	+	+	+	+			99	+	+	+	+	+			99	+	+	+	+	+	+	+			99	+	+	+16			99	+	+	+16											
Berka, Noured	2	99	+	+	+	+	+			99	+	+	+	+	+	+			99	+	+	+	+	+	+	+			99	+	+	+	+	+	+	+												
Bow, Laurine	3	99	+	+	+	+	+			99	+	+	+	+	+	+			99	+	+	+	+	+	+	+			99	+28	+	+	+	+	+	+												
Burger, Joe	2	99	+	+	+	+	+			99	+	+	+	+	+	+			99	+	+	+	+	+	+	+			99	+	+	+	+	+	+	+												
Cecka, J. Mich	3	95	+	+	+	+	+			95	+	+	+	+	+			95	+	+	+	+	+	+	+			95	+	+	+	+	+	+	+													
Chan MD, Soh	4	90	+	+	+	+	+	A34		90	+	+	+61	+	+			90	+	+	+	+	+	+	+			90	+	+	+	+	+	+	+													
Charron, D. P	6	98	+	+	+	+	+			98	+	+40					98	+	+16					98	+	+16			98	+28	+			98	+28	+												
Choo, Yoon MD	2	99	+	+	+	+	+			99	+	+	+	+	+	+			99	+	+	+	+	+	+	+			99	+	+	+	+	+	+	+												
Claas, F.H.J.	6	90	+	+	+	+	+			90	+	+	+	+	+			90	+	+	+	+	+	+	+			90	+	+	+	+	+	+	+													
Cooper, E. Sh	2	95	+	+	+	+	+			95	+	+	+	+	+			95	+	+	+	+	+	+	+			95	+	+	+16			95	+	+	+16											
Du Toit, Erne	7	C										C										90	+	+	+	+	+	+			90	+	+	+	+	+	+	+										
Dunckley, Hea	8	C										80	+	+40					80	+	+	+	+	+	+	+			80	+28	+	+			80	+28	+	+	+	+								
Dunk, Arthur	2	98	+	+	+	+	+			98	+	+	+	+	+	B48			98	+	+	+	+	+	+			98	+28	+	+	+	+	+	+	+												
Dunn, Paul Dr	6	95	+	+	+	+	+			95	+	+	+	+	+			95	+	+	+	+	+	+	+			95	+	+	+	+	+	+	+	+												
Eckels/Utah,	3	97	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+28	+	+	+	+	+	+	+												
Eisenbrey, A.	2	99	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
Esteves Kond	2	98	+	+	+	+	+			98	01	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	B39V, B35V												
Fischer, Joha	6	95	+	+	+	+	+			98	+	+	+	+	+			90	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
Gideon, Osna	6	???	+	+	+	+	+			???	+	+	+	+	+			100	+	+	+	+	+	+	+			???	+	+	+	+	+	+	+	+												
Hahn, Amy B.	3	99	+	+	+	+	+			99	01	+	+	+	+			99	+	+	+	+	+	+	+			99	+	+	+	+	+	+	+	+												
Hanau, Daniel	3	NT										NT										80	+	+	+	+	+	+			80	+	+	+	+	+	+	+										
Harville, Ter	2	98	+	+	+	+	+			98	+	+	+61	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
Hirankarn MD	6	78	+	+	+	+	+			81	.1	+	+	+	+			85	+	+	+	+	+	+	+			84	+	+	+	+	+	+	+	+												
Hogan, Patric	6	85	+	+	+	+	+			C										C										85	+28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Holdsworth, R	7	99	+	+	+	+	+			99	+	+	+	+	+	B48			99	+	+	+	+	+	+			99	+	+	+	+	+	+	+	+	+											
Ichikawa MD,	21	NT										NT										NT										NT																
Israel, Shosh	5	90	+	+	+	+	+			???	+	+	+	+	+			???	+	+	+	+	+	+	+			95	+28	+	+	+	+	+	+	+												
Jaramillo, An	3	98	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
Keown, Paul M	3	99	+	+	+	+	+			99	+	+40	+	+	+			99	+	+	+	+	+	+	+			???	+28	+	+	+	+	+	+	+	+											
Klein, Tirza	6	90	+	+	+	+	+			90	+	+	+	+	+			90	+	+	+	+	+	+	+			90	+	+	+	+	+	+	+	+												
Kvam, Vonnett	2	98	+	+	+	+	+	CX14		98	+	+	+	+	+			98	+	+	+	+	+	+	+			97	+28	+	+	+	+	+	+	B70												
Lardy, N.M. D	6	90	+	+	+	+	+			90	+	+	+	+	+			90	+	+	+	+	+	+	+			90	+28	+	+	+	+	+	+	+												
Lebeck, Laura	3	98	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+28	+	+	+	+	+	+	+												
Leech MD, Ste	2	95	+	+	+	+	+			95	+	+40	+	+	+			95	+	+	+	+	+	+	+			95	+	+	+	+	+	+	+	+												
Lo, Raymundo	4	98	+	+	+	+	+			98	01	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	B38												
Loewenthal M	5	95	+	+	+	+	+			95	+	+	+	+	+			95	+	+	+	+	+	+	+			95	+28	+	+	+	+	+	+	+												
Lopez-Cepero	2	99	+	+	+	+	+	CX14		99	+	+	+	+	+			99	+	+	+	+	+	+	+			99	+	+	+	+	+	+	+	+												
MacCann, Eile	3	98	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
Mah, Helen	3	98	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
McAlack, Robe	2	98	+	+	+	+	+			97	+	+	+	+	+			97	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
McAlack-Bala	2	98	+	+	+	+	+			98	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+	+	+	+	+	+	+	+												
McCluskey, Ja	9	97	+	+	+	+	+			95	+	+	+	+	+			95	+	+	+	+	+	+	+			95	+28	+16			95	+28	+16													
Meyer, Pieter	7	85	+	+	+	+	+			85	+A9	+					85	+	+	+	+	+	+	+			85	+	+	+	+	+	+	+	+													
Norin, Allen	2	98	+	+	+	+	+			98	+	+	+	+	+	B48			98	+	+	+	+	+	+			98	+28	+	+	+	+	+	+	+												
Padua, Flore	6	97	+	+	+	+	+			98	+	+	+	+	+	B48			98	+	+	+	+	+	+			96	+	+	+	+	+	+	+	+												
Pais, Maria L	9	99	+	+	+	+	+			99	+	+	+	+	+	B35			99	+	+	+	+	+	+			99	+	+	+	+	+	+	+	+												
Park, Myoung	7	98	+	+	+	+	+			96	+	+	+	+	+			98	+	+	+	+	+	+	+			98	+28	+	+	+	+	+	+	+												

INTERNATIONAL CELL EXCHANGE

		***** CELL NO.1377 *****							***** CELL NO.1378 *****							***** CELL NO.1379 *****							***** CELL NO.1380 *****						
		(HISP)							(FILP)							(CAUC)							(HISP)						
INVESTIGATOR		A	A	B	B	C	B	A	A	B	B	C	B	A	A	B	B	C	B	A	A	B	B	C	C	B			
DAYS	B	2	2	4	5	W	W	B	1	2	6	4	W	W	B	2	3	8	3	W	W	B	2	6	3	3	W	W	W
NAME	OLD	%	6	4	1	7	4	%	1	4	0	0	4	6	%	9	7	6	OTHERS	%	8	5	9	1	7	6	OTHERS		

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Permpikul, Ve	6	90	+	+	+	+	+	90	01	+	+		+	90	+	+	+	+	+	90	+28	+	+		+		
Phelan, Donna	3	95	+	+	+	+	+	98	+	+	+	+	+	97	+	+	+	+	+	98	+	+	+	+	+	+	
Pidwell/Aska	2	95	+	+	+	+	+	98	+	+	+	+	+	95	+	+	+	+	+	98	+	+	+	+	+	+	B35V, B39V
Pollack, Mari	2	98	+	+	+	+	+	98	+	+	+	+	+	95	+	+	+	+	+	95	+	+	+	+	+	+	
Rajczy, Katal	3	95	+	+	+	+	+	95	+	+	+	+	+	95	+	+	+	+	+	95	+28	+	+	+	+	+	
Rees, Tracey	6	90	+	+	+	+	+	90	+	+	+	+	+	90	+	+	+	+	+	90	+	+	+	+	+	+	
Rosen-Bronso	8	98	+	+	+	+	+	98	+	+	+	+	+	98	+	+	+	+	+	98	+	+	+	+	+	+	
Rubocki, Rona	2	99	+	+	+	+	+	99	+	+	+	+	+	99	+	+	+	+	+	99	+	+	+	+	+	+	
Sauer, Gottwa	3	95	+	+	+	+	+	95	+	+	+	+	+	95	+	+	+	+	+	80	+	+	+	+	+	+	
Shai, Isaac	10	100	+	+	+	+	+	90	+	+	+	+	+	92	+	+	+	+	+	92	+28	+			+	B70	
Stavropoulos	2	99	+	+	+	+	+	99	+	+	+	+	+	99	+	+	+	+	+	99	+28	+	+	+	+	+	
Tagliere, Jac	1	100	+	+	+	+	+	100	+	+	+	+	+	100	+	+	+	+	+	100	+	+	+	+	+	+	
Tiercy, Jean-	6	90	+	+	+	+	+	90	+	+	+		+	NT						NT							
Tilanus, Marc	7	90	+	+	+	+	+	90	+	+	+		+	90	+	+	+	+	+	90	+28	+	+		+		
Vidan-Jeras,	6	95	+	+	+	+	+	C						100	+	+	+	+	+	95	+28	+	+		+		
Walter Reed	2	98	+	+	+	+	+	98	+	+	+	+	+	97	+	+	+	+	+	97	+28	+	+	+	+	+	
Wisecarver, J	7	98	+	+	+	+	+	98	+	+	+		+	98	+	+	+	+	+	98	+28	+	+		+		

\*\*\*\*\*  
 \* \*  
 \* SUMMARY TABLE \*  
 \* \*  
 \*\*\*\*\*

(HISP)  
 \*\*\*\* CELL 1377 \*\*\*\*  
 (63 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 A26 98.4%  
 ( 98.4%)  
  
 B44 100.0%  
 (100.0%)  
  
 B51 96.8%  
 ( 96.8%)  
  
 CW7 66.7%  
  
 BW4 82.5%

(OTHERS FOUND)  
 CX14 6.3%  
 A34 1.6%  
 B51V 1.6%

(FILP)  
 \*\*\*\* CELL 1378 \*\*\*\*  
 (62 SAMPLES TYPED)  
 A11 91.9%  
 11.1 1.6%  
 1101 6.5%  
 (100.0%)  
  
 A24 98.4%  
 A9 1.6%  
 (100.0%)  
  
 B60 91.9%  
 B40 8.1%  
 (100.0%)  
  
 B40 4.8%  
 B61 3.2%  
 ( 8.1%)  
  
 CW4 62.9%  
  
 BW6 80.6%

(OTHERS FOUND)  
 B48 6.5%  
 B35 1.6%  
 BW4 1.6%

(CAUC)  
 \*\*\*\* CELL 1379 \*\*\*\*  
 (64 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 A3 100.0%  
  
 B8 100.0%  
  
 B39 95.3%  
 B16 1.6%  
 ( 96.9%)  
  
 CW7 64.1%  
  
 BW6 79.7%

(OTHERS FOUND)

(HISP)  
 \*\*\*\* CELL 1380 \*\*\*\*  
 (63 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 A68 63.5%  
 A28 36.5%  
 (100.0%)  
  
 B35 100.0%  
  
 B39 85.7%  
 B16 4.8%  
 ( 90.5%)  
  
 CW1 63.5%  
  
 CW7 60.3%  
  
 BW6 81.0%

(OTHERS FOUND)  
 B70 3.2%  
 B39V 3.2%  
 B35V 3.2%  
 B38 1.6%