REPORT OF THE 350th CELL EXCHANGE

JUNE 9, 2010

B-Cell Line	**439-440**
Serum	**1021-1024**
DNA Extract	**485-488**
Cells	**1397-1400**

B-cell line Exchange

We wish to thank **Helen Bass, Jane Rowlands, and Tracy Rees, Wales Blood Service, Pontyclun,** in providing rare cells to type in our exchange studies.

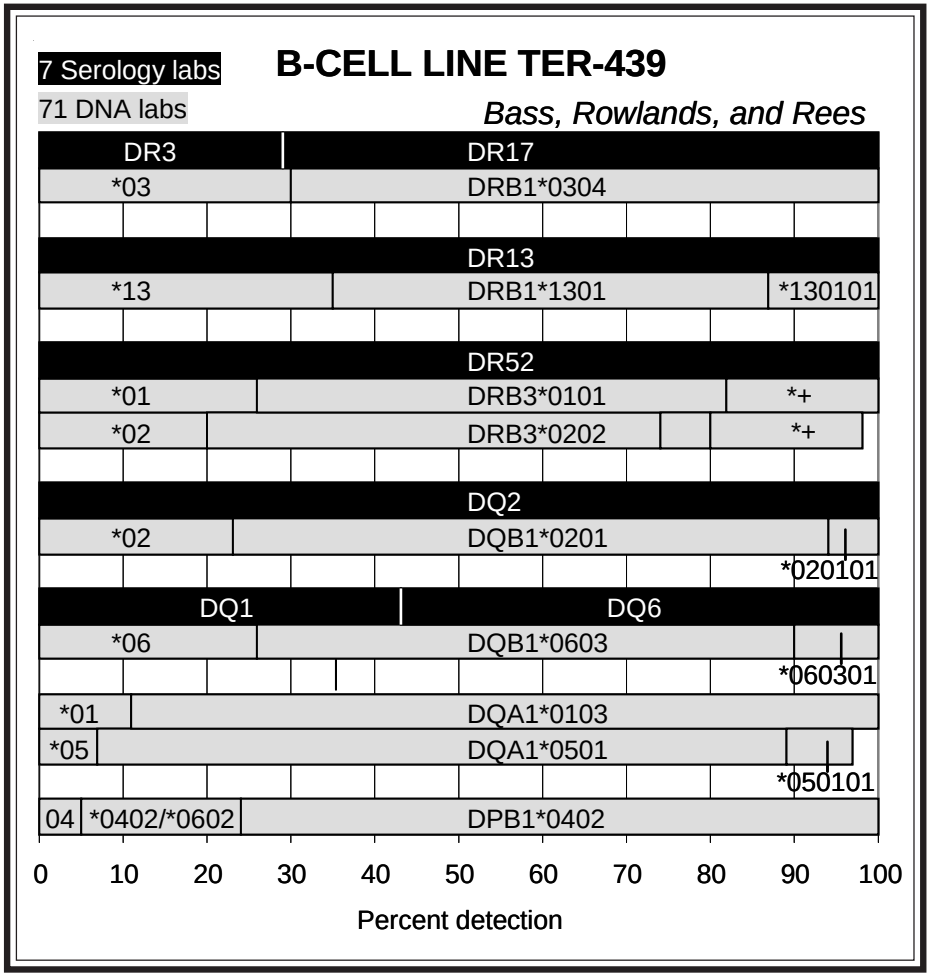
TER-439. This Caucasian cell was TER336, one of the reference cells for DRB1*0304. The cell was previously typed in 2004 as TER-336, as correctly noted by Barnardo, Chen, Hahn, Lopez-Cepero, Mah, Stamm, and Tiercy. DRB1*0304 was recently typed in TER-437, also typed as TER-335 in the same 2004 study as this present cell. The rare DRB1*03 allele was also detected in TER-204 (1997). All DRB1*0304 exchange cells were from Caucasian individuals.

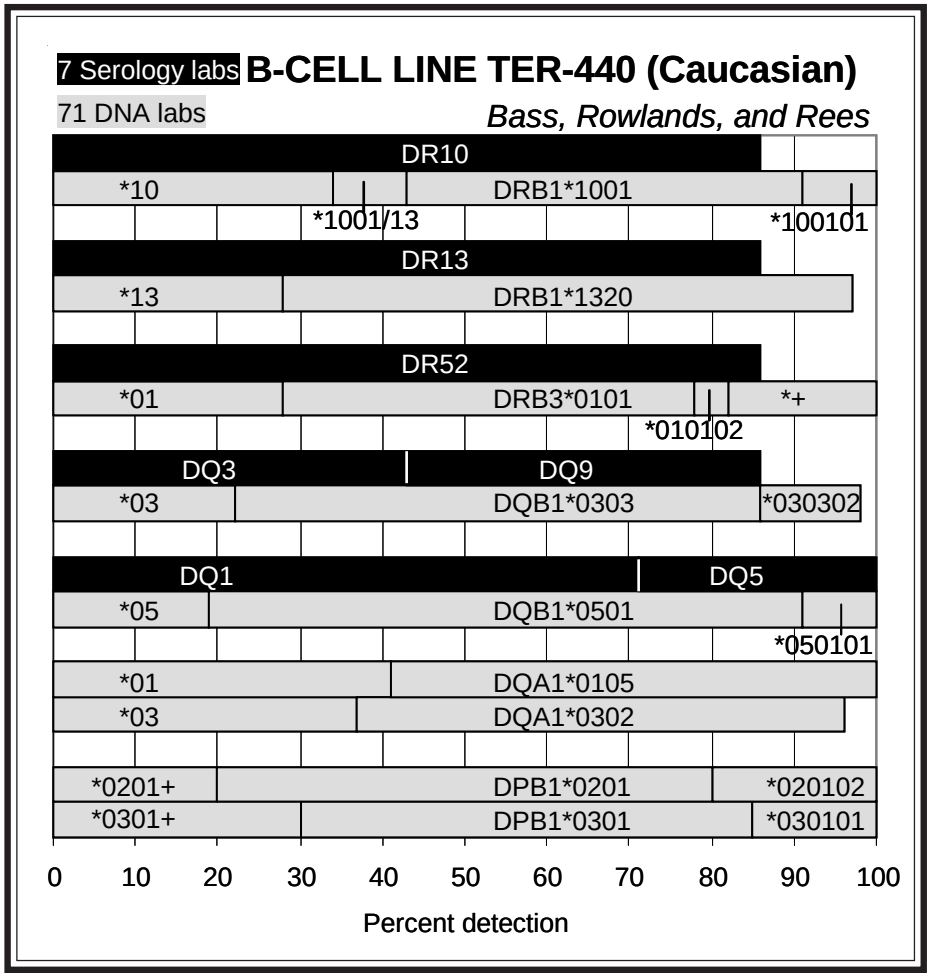
In this present retyping, DRB1*0304 was typed by 70%.

In the 2004 typing, Costeas reported DPA1*0103 and Darke assigned DPA1*0103/07.

The probable haplotypes were DRB1*0304-DRB3*0101-DQB1*0201-DQA1*0501 and DRB1*1301-DRB3*0202-DQB1*0603-DQA1*0103. The same DRB1*0304 haplotype was found in all 3 DRB1*0304 exchange cells. The DRB1*1301-DQB1*0603 association is commonly found in all populations.

DPB1*0402 was reported by 76%, and another 19% assigned DPB1*0402/*0602.





TER-440. This cell from a Caucasian individual was 10843566, a reference cell for DRB1*1320 and was previously studied as TER-305 (2002) and TER-358 (2005), as correctly identified by Chen, Hahn, Lopez-Cepero, Mah, Stamm, and Tiercy.

In this present retyping, DRB1*1320 was detected by 69%. DR13 was assigned by 86%.

DR10 (86%) was confirmed as DRB1*1001 (*100101) (57%).

DRB1*1320-DRB3*0101-DQB1*0303 (*030302)-DQA1*0302 and DRB1*1001-DQB1*0501-DQA1*0105 were the probable haplotypes. We again noted the unusual DR13-DQ9, that is, DRB1*1320-DQB1*0303, association. The same DRB1*1320-DRB3*0101-DQB1*0303 was also present in SR0300, the other DRB1*1320 reference cell .

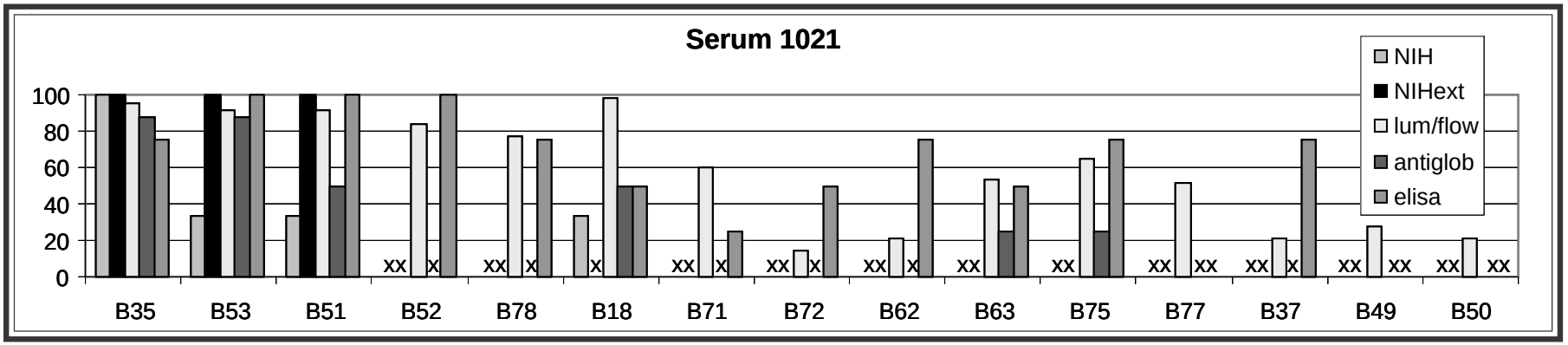
Costeas reported DPA1*0103 in the 2002 typing and Darke assigned DPA1*0103/07 in the 2005 retyping.

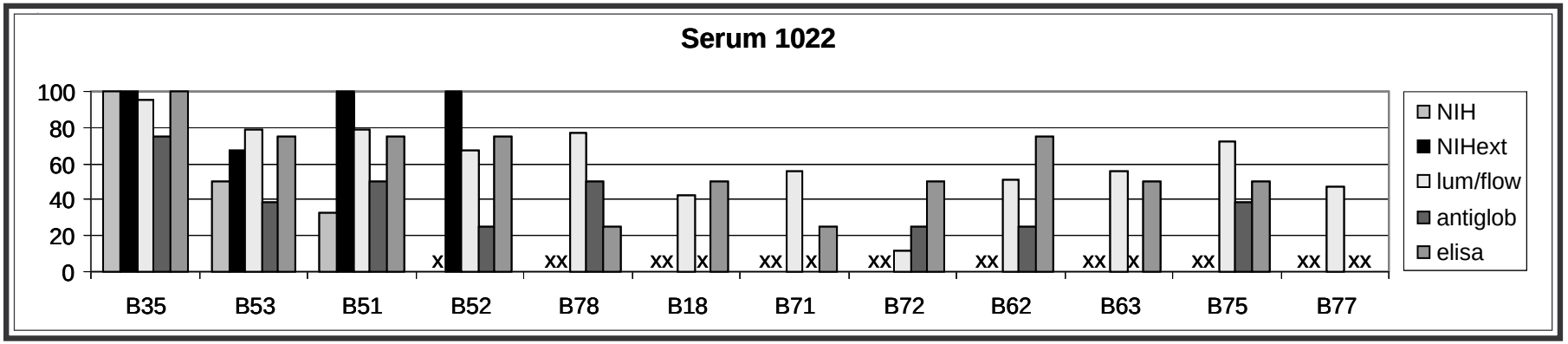
DPB1*0201 (80%) and DPB1*0301 (70%) were the DPB1 alleles assigned by the majority. One quarter of the labs did not resolve DPB1*0301 from other possibilities, including DPB1*0502. In the 2005 typing, van den Berg-Loonen distinguished DPB1*030101 from DPB1*0502 by SBT of exon 4.

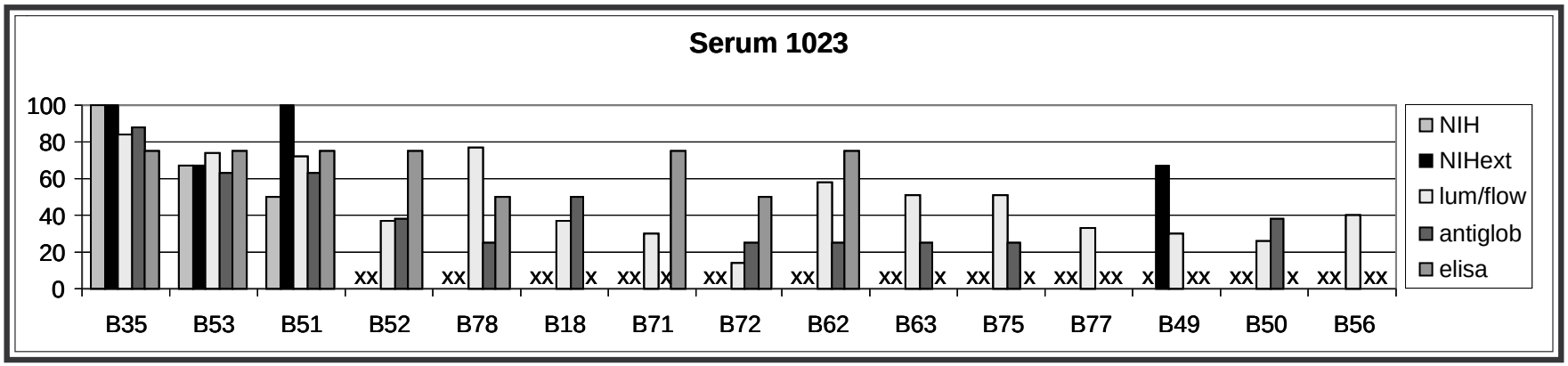
Serum Exchange

This month's study featured antibodies **(sera 1021-1024)** reactive to 5C specificities, including B51, B52, B78, B35, B53, B15, B70, B18, and B21. All 4 sera were strongly positive to B35, B53, and B51 by all methods, except for serum 1024 which did not demonstrate anti-B51 reactivity by NIH. These specificities share valine at codon 194 in the alpha 3 domain.

For all 4 sera, labs using Luminex, flow, antiglobulin, and ELISA reported

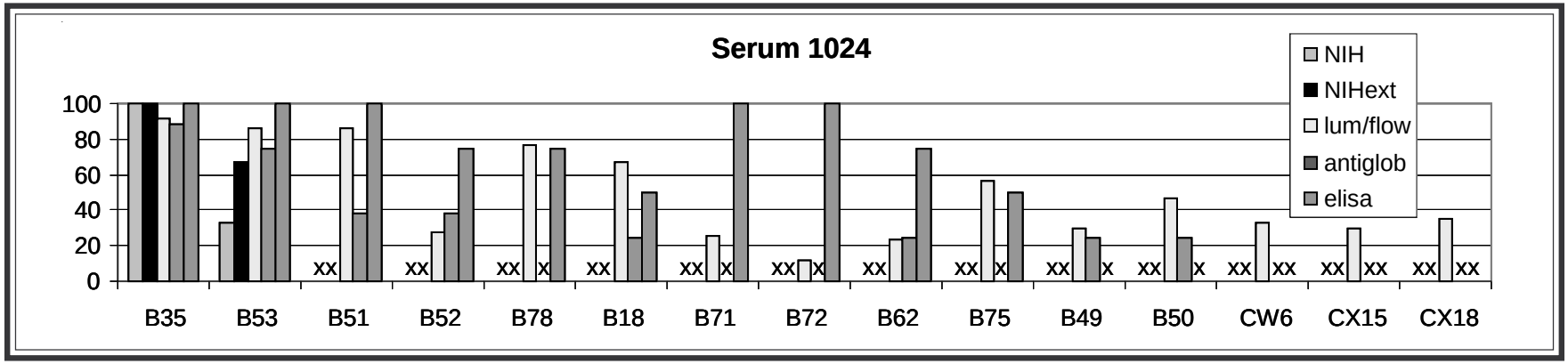






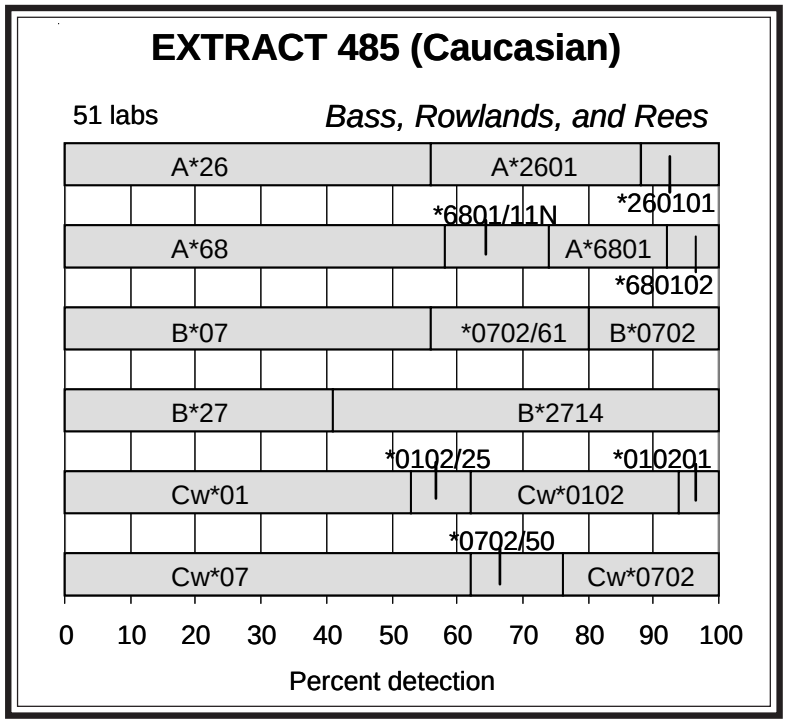
additional varied reactivity to B52, B78, B18, B70, B15, and B21 specificities. For serum 1024, Luminex and flow detected reactivity to C-locus specificities, including, Cw6, Cx15, and Cx18.

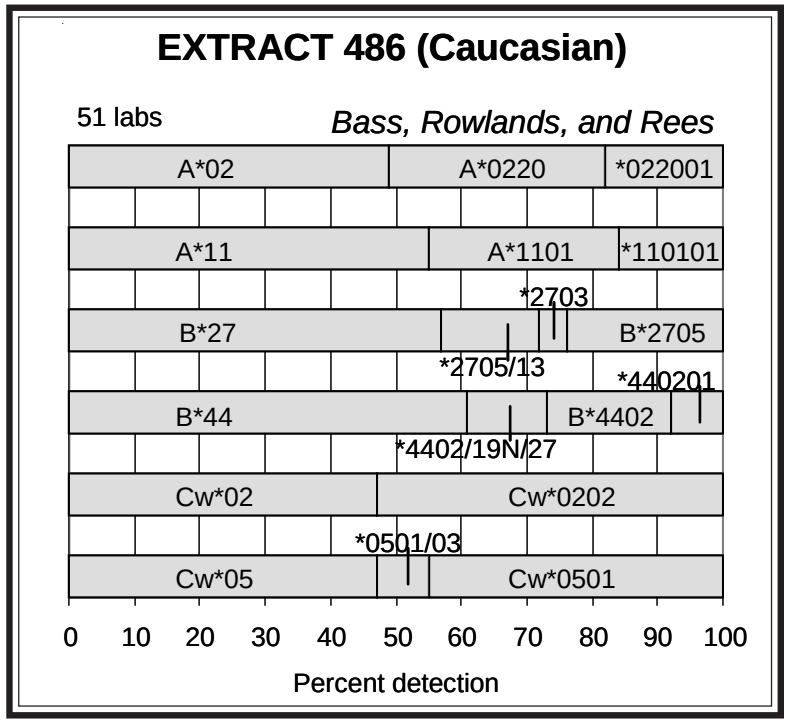
The reactivity patterns of these sera were similar to the reactivity patterns found in sera 970-972 included in a 2008 study.



Extract Exchange

We wish to express our gratitude to **Helen Bass, Jane Rowlands, and Tracy Rees, Wales Blood Service, Pontyclun,** and the **Oxford Transplant Centre, Churchill Hospital, Oxford**, for providing unusual cells to study in our exchanges.





Extract 485. The rare B*2714, as detected by 59%, was typed for the first time in the Cell Exchange in this cell from a Caucasian donor. Steiner et al. (1) described this allele as most homologous to B*270502, with 7 nucleotide differences in codons 94 (ACC->ACT), 95 (CTC->TGG), 97 (AAT->ACG), and 103 (GTG->CTG), resulting in 3 amino acid changes (L to W at 95, N to T at 97, V to L at 103). The NMDP Bioinformatics web site indicated that this allele was found only in individuals of European American descent. Interestingly, one of the references for B*2714, 01168999, was from a Native American, and the other reference, 65-90810, was from a Caucasian/Native American individual. In a study of B*27 alleles, Garcia-Fernandez et al. (2) typed B*2714 in 2 Siberians and postulated, "The first migrants bearing B*2714 could have come from the regions of North or Central Siberia, arrived in Beringian and introduced this allele into the North American Indian population."

B*0702 (20%), with another 24% assigning B*0702/61, was the second B-locus allele.

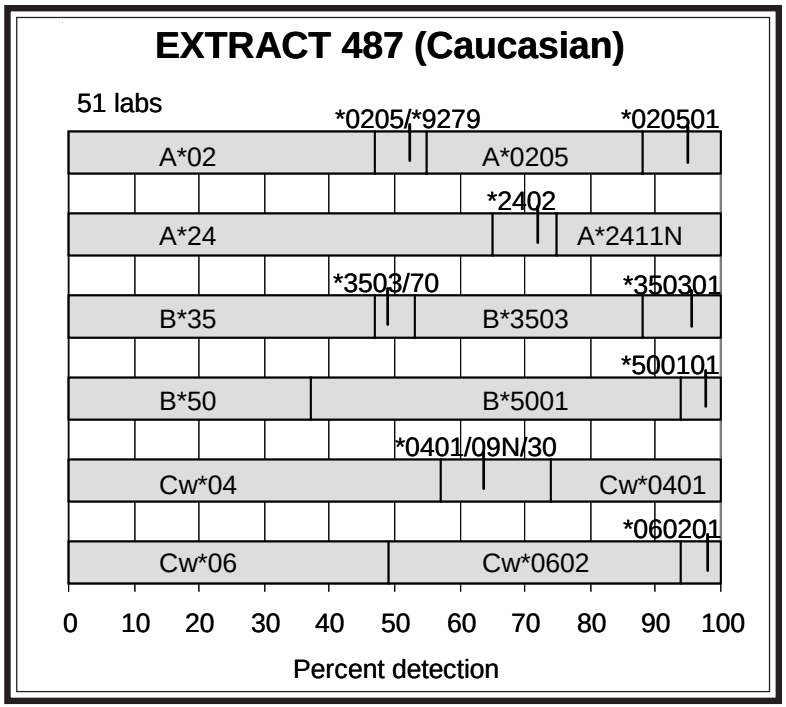
A*2601 (44%) and A*6801 (26%) were the A-locus types.

A*26-B*2714 was present in both B*2714 reference cells; the haplotypes in this cell may be A*2601-B*2714-Cw*0102 and A*6801-B*0702-Cw*0702.

Extract 486. This Caucasian donor was previously typed as extract 238 (2003), as noted by 2 labs (Barnardo, Moses and Dunckley).

In this present retyping, the uncommon A*0220 was detected by 51%.

The B-locus and C-locus alleles were types commonly found in Caucasians, that is, B*2705, B*4402, Cw*0202, and Cw*0501. B*2705-Cw*0202 and B*4402-Cw*0501 are found in strong linkage disequilibrium in all populations.



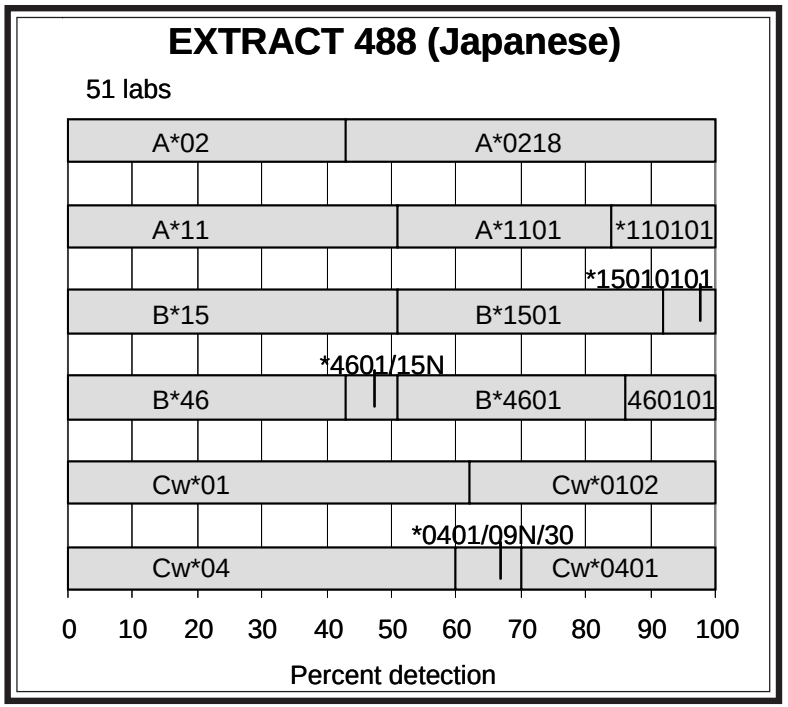
Extract 487. This rare A*2411N cell from a Caucasian donor was typed more than 10 years ago, as extract 97 in 1999, as correctly identified by Barnardo, Brown, and Moses and Dunckley. In sequencing this null allele, Magor et al. (3) said, "The only difference between the A*24 allele from BM2046 (named A*2411N) and A*2402 is insertion of an additional C within the run of seven Cs at the start of exon 4…As a result of the nucleotide in A*2411N, the reading frame is changed at this point and then terminates at a nonsense codon near the 5' end of exon 4." This insertion of an extra cytosine in exon 4 results in the lack of A24 expression at the cell surface. A*2411N (24%) was previously typed by both serology and DNA in cell 1229 (2005) from an Asian Indian.

In the initial 1999 typing, Bunce and van den Berg-Loonen were the only 2 out of 49 labs to identify A*2411N. A*2402 was misassigned by 6%. The detection of A*2411N improved to 25% in this retyping; however, ironically, the misassignment rate for A*2402 also increased, to 10%. Magor et al. and Elsner and Blascyk (4), gave warning that the clinical implications in missing a null allele may be detrimental.

The second A-locus allele, A*0205, was detected by 45%.

B*3503 (47%) and B*5001 (63%) were the B-locus types.

Cw*0401 (26%) and Cw*0602 (51%) were the C-locus alleles.



Extract 488. This Japanese cell was ENDO, the reference A*0218 cell, and was also studied in the workshops as IHW#9371. It was previously typed as extract 281 in 2004, as identified by 4 labs, including Barnardo, Brown, Chen, and Moses and Dunckley.

In this present retyping, the rare A*0218 was detected by 57%, improving over the 36% detection level attained in the 2004 typing. Kashiwase et al. (5) described this A*02 allele with the local name of A2K, as being most similar to A*0207, except for one substitution, ATG->AAG at codon 138, resulting in an amino acid change of methionine to lysine (M->K).

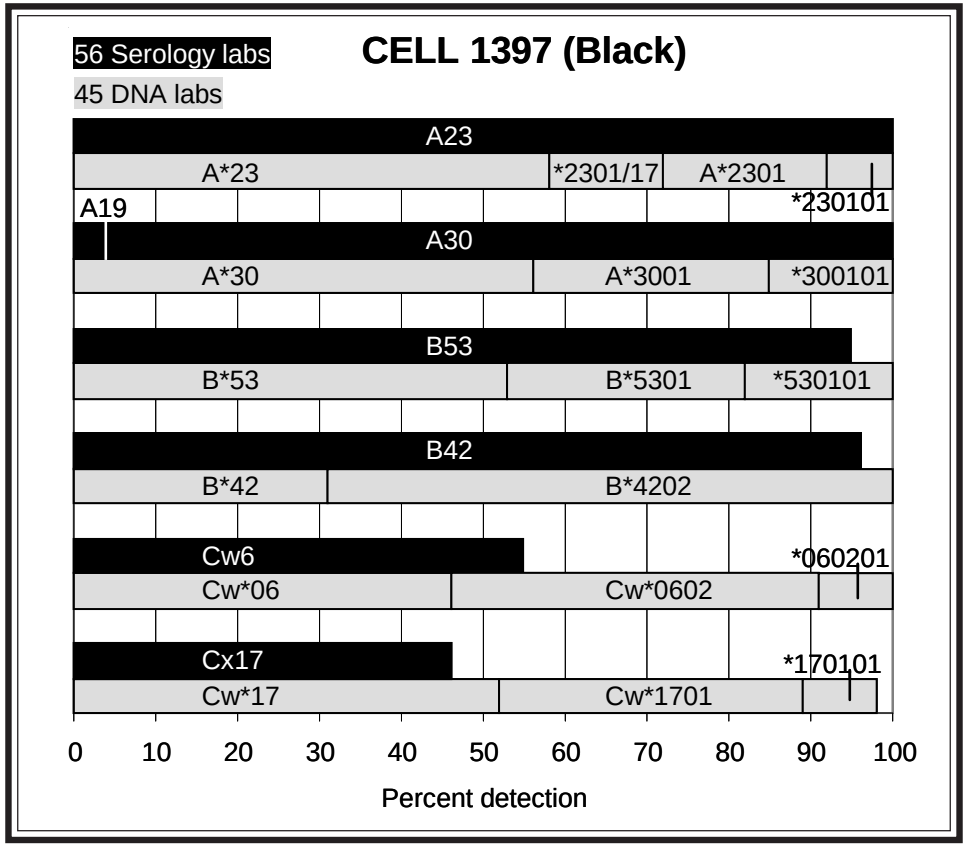
The B-locus alleles were B*1501 (*150101) and B*4601, assigned by 49%.

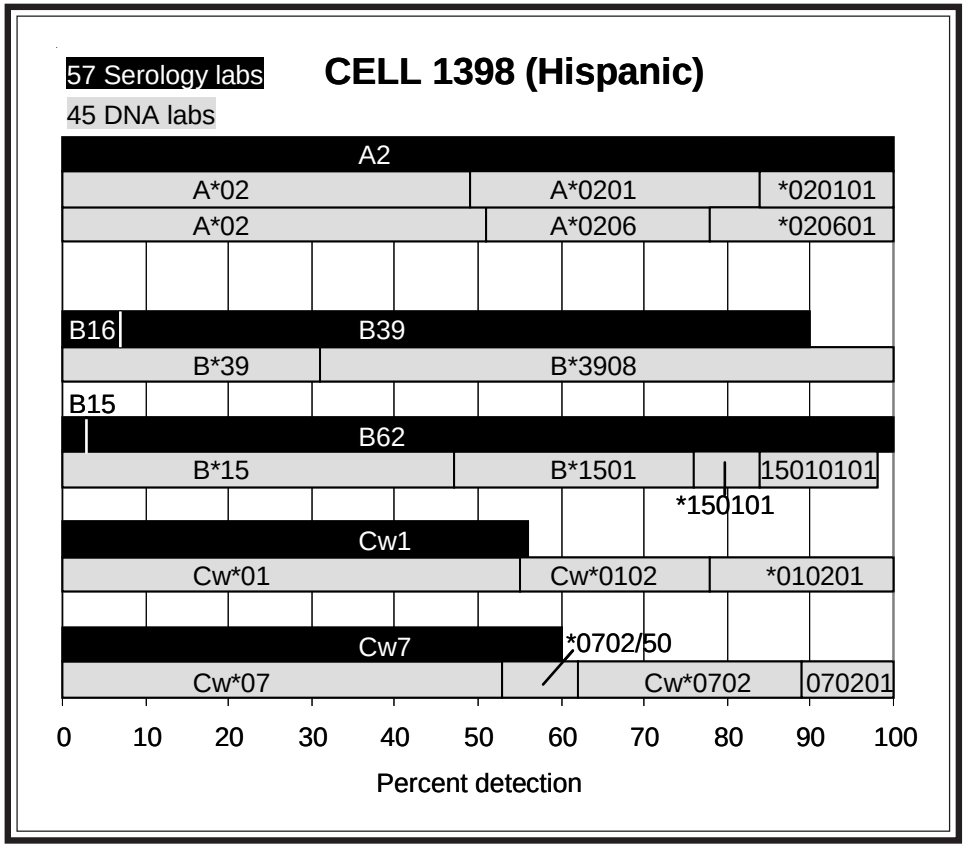
Kashiwase et al. said that although no family study was performed, the probable haplotypes in this cell were A11.1-Cw4-B62-DR4.2-DQ3, a commonly found haplotype in Japanese, and A2K-Cw1-B46-DR8.1-DQ1, the same haplotype on which A*0207 is also found. Adding the information from the 2 exchange typings, the likely haplotypes were A*1101-B*1501-Cw*0401 and A*0218-B*4601-Cw*0102 for this donor.

Cell Exchange

Cell 1397. This cell from a Black individual was well typed as A23, A30, B53, B42, Cw6, Cx17. The high-resolution typing was A*2301, A*3001, B*5301, B*4202, Cw*0602, and Cw*1701, alleles commonly found in African-Americans.

The probable haplotypes were A*2301-B*5301-Cw*0602 and A*3001-B*4202-Cw*1701. The NMDP Bioinformatics web site indicated HF=.00371 for A*2301g-B*5301-Cw*0602 and HF=.00535 for A*3001-B*4202-Cw*1701g in African-Americans.





Cell 1398. This Hispanic donor was previously typed as cells 1348 (2008) and 1367 (2009), as correctly identified by a number of labs (Abbal, Moses and Dunckley, Harville, Lopez-Cepero, Mah, McAlack, McCluskey, Askar and Pidwell, Tiercy).

B39 was detected by 83%, corroborated as B*3908 (69%). Comments of shorter than normal anti-B39 reactivity were received from McAlack, McCluskey, Askar and Pidwell, Pollack, Rees, and Semana. Rubocki and Semana also observed crossreactivity with B38 antisera.

The other B-locus antigen was B62 (96%), confirmed as the standard B*1501 by 51%.

A2 was assigned in complete consensus. Two different A*02 alleles, A*0201 (51%) and A*0206 (49%), were reported.

Cw1 (65%) and Cw7 (60%) were verified as Cw*0102 (45%) and Cw*0702 (38%), respectively.

B*1501-Cw*0102 and B*3908-Cw*0702 were the probable associations in this cell. B*3908-Cw*0702 was present in 2 other exchange cells, cells 912 and 1206, whereas B*3908-Cw*0717 was found in cell 1380. B39-Cw7 was also present in the 2 B*3908 references, 822 and NT00780, both from Hispanic donors.

Cell 1399. A11 was assigned by 100% in this Chinese donor. A1102 (7%) was reported by 4 labs (Esteves Kondo, Hirankarn, Lo, Vejbaesya and Permpikul). Lopez-Cepero commented that a variant may be present, observing reactivity with anti-A11 monoclonals, but no reactivity with anti-A11 allosera.

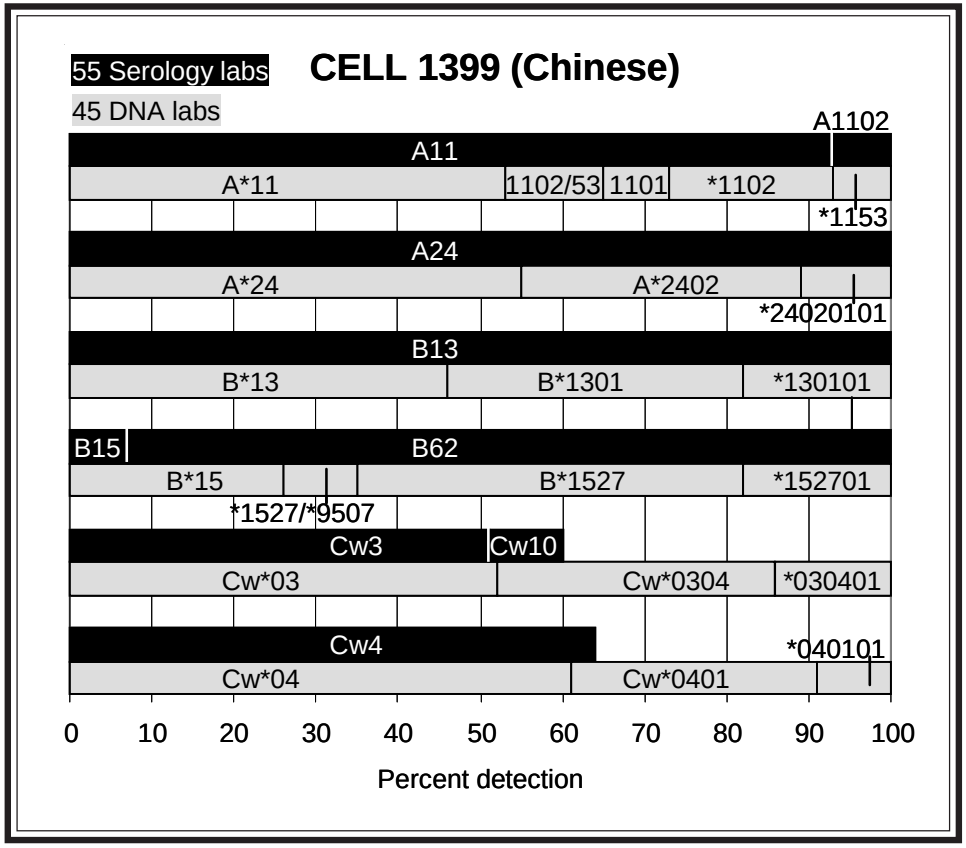
Although A*11 was assigned in complete consensus, there was no clear resolution for the high-resolution type, as A*1102 (20%), A*1101 (8%), and A*1153 (7%) were reported. Another 12% reported A*1102/53. Brown, Claas, and Tilanus were the 3 labs that assigned A*1153. To follow are the responses to our request of how each of the 3 labs arrived at the assignment of A*1153.

Brown commented, "The assignment of A*11:53 was based on sequencing using a commercial kit (Excellerator) to distinguish ambiguities arising from only exons 2+3. Initial results (were): A*11:01 + A*24:63 or A*11:38 + A*24:03 or A*11:53 + A*24:02, which was resolved to being A*11:53 + A*24:02. The kit uses sequence specific sequencing primers, in this particular case, recognising positions 319 and 363." (J. Brown, personal communication, 6/7/10)

Voorter and Tilanus said, "To distinguish A*11:53 from A*11:02:01 we sequenced exon 5 forward and reversed allele specific. A clear T was sequenced at position 899, whereas A*11:02:01 has a C here. To distinguish A*11:53 from A*11:02:03 we sequenced exon 4 forward and reversed. A clear Y was sequenced at position 672. Both A*11:02:03 and A*24:02:01:01 have a T at this position, whereas A*11:53 has a C. The difference between A*11:53 and A*11:02:02 is located in exon 2 position 295, which was sequenced both heterozygous and allele specific. A C at this position was obtained, whereas A*11:02:02 has an A at this position." (Voorter, personal communication, 6/7/10).

Roelen and Claas shared their SBT data (Figures 1, 2) and gave the following comments, "At nucleotide position 127 (codon 19) in exon 2 we observe a R (=A+G), whereas A*24020101 with a A*1101 you would expect for this position only a G. Therefore, position 127 excludes the A*1101. At nucleotide position 899 (codon 276) in exon 5 we observe a Y (=C+T), whereas A*24020101 with a A*1102 you would expect for this position only a C. Therefore, position 899 excludes the A*1102." (Roelen, personal communication, 6/7/10)

B62 was assigned by 93%. McCluskey noted a short B62. B*1527 was detected by 65%. This same B*15 allele was previously typed in cells 1062 (Chinese) and 1298 (Korean).



B13 was assigned in complete consensus and corroborated as B*1301 (54%).

Cw3 (Cw10) (60%) and Cw4 (64%) were confirmed as Cw*0304 (48%) and Cw*0401 (39%), respectively.

The likely associations in this cell were B*1301-Cw*0304 and B*1527-Cw*0401, found predominantly in Asian populations.

We plan to send this challenging cell to type again.

Positie 127 sluit de A*1101 uit.

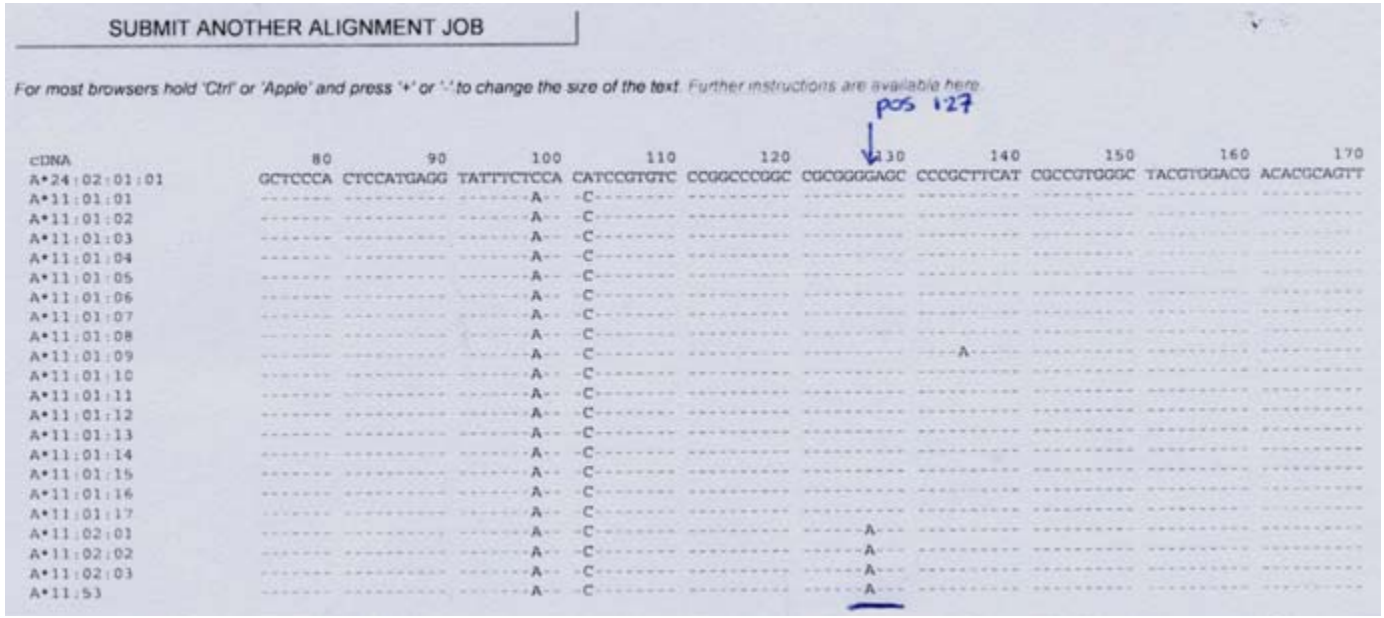
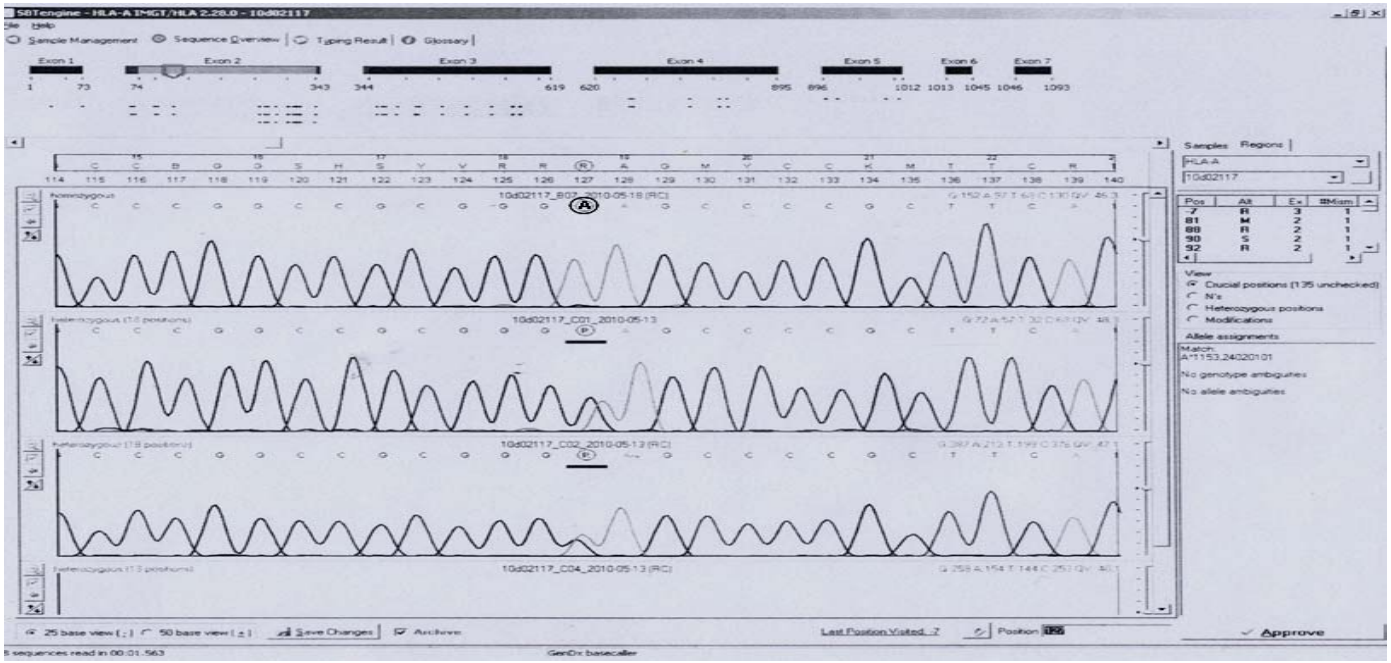
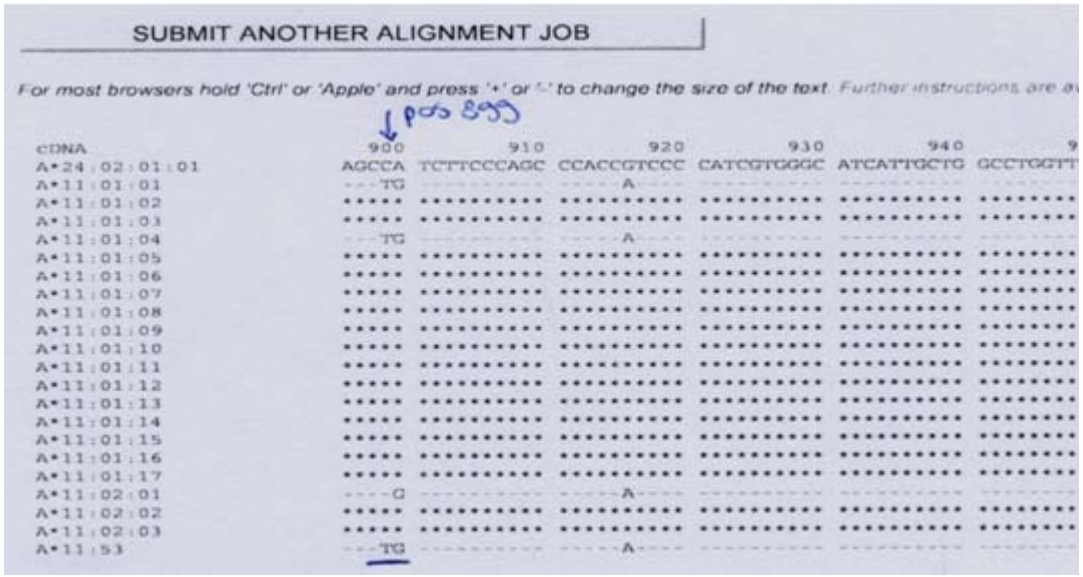


Figure 1. From Roelen and Claas, Leiden University Medical Center, Leiden, 6/7/10.



position 899 excludes the A*1102.



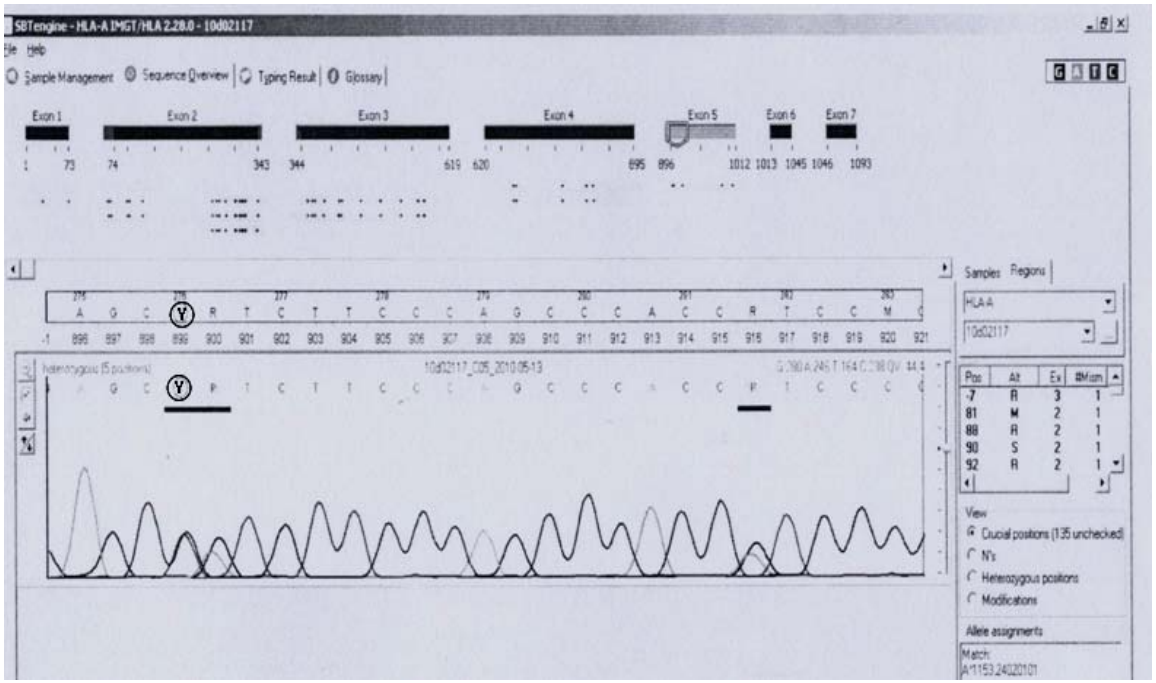
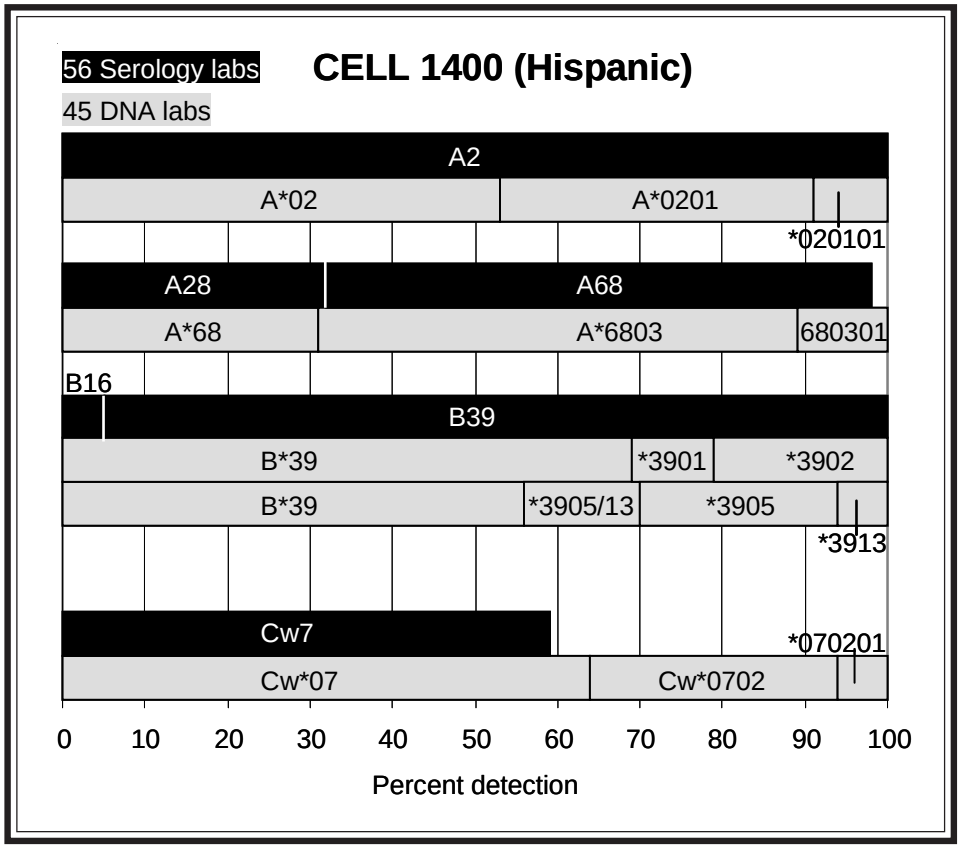


Figure 2. From Roelen and Claas, Leiden University Medical Center, Leiden, 6/7/10.



Cell 1400. The serologic and low-resolution typing of this Hispanic cell was similar to another exchange cell, cell 1392, being A2, A68, B39, Cw7, however, this present cell was not from the same donor.

B39 was assigned by 95%. Two different B*39 alleles were detected; however, which ones were not definitively resolved, as B*3905 (24%), B*3902 (21%), B*3901 (10%), and B*3913 (6%) were assigned. Nine labs assigned B*3902+B*3905 and 3 labs gave B*3901+B*3913, whereas an additional 5 labs commented that either combination was possible. This same ambiguity was also encountered in the typing of cell 1263 (2006), also from an Hispanic donor.

A2 (100%) and A68 (66%) were verified as A*0201 (47%) and A*6803 (69%), respectively.

Cw7 (59%) was confirmed as Cw*0702 (36%).

References

1. Steiner NK, Jones P, Kosman C, et al. Novel HLA-B alleles associated with antigens in the 7C CREG. Tissue Antigens 2001;57:486.

2. Garcia-Fernandez S, Gonzalez S, Mina Blanco A, et al. New insights regarding HLA-B27 diversity in the Asian population. Tissue Antigens 2001;58:259.

3. Magor KE, Taylor EJ, Shen SY, et al. Natural inactivation of a common HLA allele (A*2402) has occurred on at least three separate occasions. J Immunol 1997;158:5242.

4. Elsner H-A and Blasczyk R. Immunogenetics of HLA null alleles: implications for blood stem cell transplantation. Tissue Antigens 2004;64:687.

5. Kashiwase K, Ishikawa Y, Tokunaga K, et al. Sequence of a new HLA-A allele (A*0218) encoding a serological variant, HLA-A2K, observed in Japanese. Tissue Antigens 1996;48:32

NEXT MAILING DATE: AUGUST 4, 2010

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

PARTICIPATING CENTERS

NAME	CITY	STATE/COUNTRY
(W.H.O. LABS)		
Fischer & Mayr,Drs	Vienna	
Abbal,Prof Michel	Toulouse Cedex	
Adams,Sharon	Bethesda	MD
Al-Attas,Dr Rabab	Damman-East Pr	
Alonso,Antonio	Malaga	
Alvarez & Carrett,Dr	Montevideo	
Anthony Nolan Trust	London England	
Baker,Judy	Dallas	TX
Barnardo,Dr Martin	Oxford England	
Baxter-Lowe,Dr Lee A	San Francisco	CA
Berka PhD,Noureddine	Washington	DC
Blasczyk,Prof Rainer	Hannover	
Brown,Dr Colin	London England	
Carrington & Martin,	Frederick	MD
Cecka PhD,J.Michael	Honolulu	HI
Cecka PhD,Michael	Los Angeles	CA
Chan MD,Prof Soh Ha	Singapore	
Charlton PhD,Ronald	Jacksonville	FL
Charron,Prof D.	Paris Cedex 10	
Chen,Dr Dong-Feng	Durham	NC
Choo MD,Yoon	Valhalla	NY
Christiansen & Wit,	Perth - West A	
Claas,Prof F.H.J.	Leiden	
Clark,Dr Brendan	Leeds England	
Cohen,Prof JHM	Reims Cedex	
Colombe PhD,Beth W.	Philadelphia	PA
Costeas,Dr Paul A.	Nicosia	
Crowe PhD,Deborah	Nashville	TN
Daniel PhD,Claude	Laval	PQ
Daniel,Dr Dolly	Tamil Nadu	
Davidson & Poulton,D	Manchester, En	
del Pozo,Dr Ana	Buenos Aires	
Dhaliwal,Dr J.S.	Kuala Lumpur	
Dinauer,David	Brown Deer	WI
Du PhD,Keming	Shanghai	
Dunckley PhD,Heather	Sydney NSW	
Dunk,Arthur	Lauderhill	FL
Dunn,Dr Dale	Lubbock	TX
Dunn,Dr Paul	Auckland	
Dupont MD,Bo	New York	NY
Eckels/CPMC,	San Francisco	CA
Eckels/Utah,	Salt Lake City	UT
Elkhalifa MD PhD,Moh	Riyadh	
Ellis PhD,Thomas	Milwaukee	WI
Endres,Dr Robert O.	Tempe	AZ
Esteves Kondo,Debra	Canoga Park	CA
Esteves-Kondo,Debra	Canoga Park	CA
Fagoaga,Dr Omar	Detroit	MI
Fernandez-Vina & Can	Houston	TX
Fischer,Dr Johannes	Dusseldorf	
Gomez,Carmen	Miami	FL
Graff,Dr Ralph J.	St Louis	MO
Hahn PhD,Amy B.	Albany	NY
Hajeer,Dr Ali	Riyadh	
Hamdi,Dr Nuha	Riyadh	
Han,Dr Hoon	Seoul	
Hanau,Prof Daniel	Strasbourg	
Harville,Dr Terry	Little Rock	AR
Hidajat,Dr M.	Brugge	
Hirankarn MD PhD,Nat	Bangkok	
Hogan,Dr Patrick	Herston QLD	
Holdsworth,Rhonda	South Melbourn	
Hsu PhD,Susan H.	Philadelphia	PA
Hubbell,Charlene	Syracuse	NY
Hurley & Hartzma,Drs	Rockville	MD
Ichikawa MD PhD,Yasu	Nishinomiya,Hy	
Israel,Dr Shoshana	Jerusalem	
Israel_LR,	Jerusalem	
Jaramillo PhD,Andres	Itasca	IL
Kamoun MD,Malek	Philadelphia	PA
Kato MD,Shunichi	Isehara,Kanaga	
Keown MD,Paul	Vancouver	BC
Kihara,Masaaki	Tokyo	
Kim,Prof Tai-Gyu	Seoul	
Klein MD,Jon	Louisville	KY
Klein,Dr Tirza	Petach Tikva	
Klein_LR,	Petach Tikva	
Koh MD,Eun-mi	Seoul	
KuKuruga PhD,Debra	Baltimore	MD
Kusnierczyk PhD,Piot	Wroclaw	
Kvam,Vonnett	Waukesha	WI
Land,Dr Geoffrey A.	Houston	TX
Lanzer,Prof G.	Graz	
Lardy,Dr N.M.	Amsterdam	
Lee PhD,Kyung Wha	Anyang,Kyungki	
Lee,Dr Jar-How	Canoga Park	CA
Leech MD PhD,Stephen	Philadelphia	PA
Lim MD,Young Ae	Suwon	
Linke,Robert	Stamford	CT
Lo MD,Raymundo W.	Quezon City	
Loewenthal MD PhD,Ro	Tel-Hashomer	
Lopez-Cepero PhD,May	Tampa	FL
MacCann,Eileen	Providence	RI
Madrigal,Prof J.A.	London England	
Mah,Helen	Boston	MA
Mani,Dr Rama	Chennai,Tamil	
Marino,Susana R.	Chicago	IL
Marsh,Prof Steven	London England	
Masuo,Kiyoe	Tokyo	
McAlack PhD,Robert	Philadelphia	PA
McAlack-Balasub,	Philadelphia	PA
McCluskey,Prof James	Adelaide	
McIntyre PhD,John A.	Beech Grove	IN
Olerup,Olle	Saltsjobaden	
Ozawa,Mikki	Los Angeles	CA
Padua MD,Florecita R	Quezon City	
Pais,Dr Maria Luisa	Coimbra	
Park MD,Myoung Hee	Seoul	
Passey,Ben	Liverpool	
Pereira,Noemi Farah	Curitiba Paran	
Permpikul & Vejbaesy	Bangkok	
Phelan,Donna	St Louis	MO
Pidwell/Askar,	Cleveland	OH
Pollack PhD,Marilyn	San Antonio	TX
Ray & Balazs,	Stamford	CT
Reed PhD,Elaine F.	Los Angeles	CA
Reed PhD,Elaine F.	Los Angeles	CA
Rees,Dr Tracey	Pontyclun Wale	
Reinke MD,Dennis	Bismarck	ND
Reinsmoen PhD,Nancy	Los Angeles	CA
Roberts,Chrissy H.	London England	
Rosen-Bronson PhD,Sa	Washington	DC
Rost & Klein,Drs	Martinsried	
Rubocki PhD,Ronald	Scarborough	ME
Sage,Dr Deborah	London England	
Sauer & Gottwald,	Lich	
Schroeder MD,M.L.	Winnipeg	MB
Scornik,Dr Juan C.	Gainesville	FL
Semana MD PhD,Gilber	Rennes	
Senitzer PhD,David	Duarte	CA
Shai,Isaac	Medunsa	
Sheikh PhD,Maqsood	New Providence	NJ
Sinnott & Gupta,	London	
Smith/MI,	Ann Arbor	MI
Sperry PhD,Roxanne	Phoenix	AZ
Stamm,Luz	Calgary	AB
Stastny MD,Peter	Dallas	TX
Stavropoulos,Maria	New Haven	CT
Suciu-Foca PhD,Nicol	New York	NY
Sullivan PhD,Karen	New Orleans	LA
Tagliere,Jacque	Los Angeles	CA
Tambur,Anat	Chicago	IL
Tavoularis,Dr Sofia	Ottawa	ON
Thoni MD,Deborah	Orlando	FL
Tiercy,Dr Jean-Marie	Geneva 14	
Tilanus,Prof Marcel	Maastricht	
Trachtenberg PhD,Eli	Oakland	CA
Trowsdale,Prof John	Cambridge	
Turner PhD,E.V.	Memphis	TN
Tyan,Dr Dolly	Palo Alto	CA
Uhrberg,Dr Markus	Dusseldorf	
Varnavidou-Nico,Dr A	Nicosia	
Vidan-Jeras,Blanka	Ljubljana	
Vilches,Dr Carlos	Madrid	
Walter Reed Army Med	Washington	DC
Wassmuth,Prof Ralf	Dresden	

Gandhi & Genco,Drs	Rochester	MN	Merenmies MD PhD,Jus	Helsinki		Watkins PhD,David I.	Madison	WI
Gardiner PhD,Clair M	Dublin		Meyer,Pieter Wa	Pretoria, Gaut		Wisecarver PhD,James	Omaha	NE
Gautreaux,Dr Michael	Winston-Salem	NC	Muncher,Dr Liora	Rehovot		Yu,Dr Neng	Dedham	MA
Gideoni,Osnat	Haifa		Muncher_LR,	Rehovot		Yu_Neng/UMMHC,	Worcester	MA
Gideoni_LR,	Haifa		Mytilineos MD,Joanni	Ulm		Zachary PhD,Andrea	Baltimore	MD
Gillespie,Dr Kathlee	Bristol		Nelson PhD,Karen	Seattle	WA	Zeevi PhD,Adriana	Pittsburgh	PA
Gladman/Pellet,Polla	Toronto	ON	Noreen,Harriet	Minneapolis	MN			
Gomez,Carmen	Miami	FL	Norin,Dr Allen	Brooklyn	NY			

B-CELL LINE TER-439

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB3X	DQB1	DQB1X	DQA1	DQA1X	DPB1	METHOD
4079	Abbal,Michel	*03:04	*13:01/51			*02:01	*06:03				P-SSO,SSP
5488	Adams,Sharon	*0304	*130101	*0101	*0202	*020101	*060301	*0103	*0501	*0402	RSSO,SBT,SSP
5133	Baker,Judy	*0304	*130101	*0101	*0202	*0205	*0602				SSP,SBT
2020	Barnardo,Mar	*0304	*130101	*0101/04	*020201	*020101	*060301	*0103	*0501	*0402	P-SSP,SBT
774	Cecka,J.Mich	*0304	*1301	*0101/12/13	*0202/23	*0201	*0603	*0103	*0501		SSP,SSOP
785	Chan,Soh Ha	*0304	*130101	*010102	*020201	*0201/04+	*060301	*0101/04+	*0301-03		SBT
5232	Charlton,Ron	*0304	*1301	*01	*02	*0201	*0603	*0103	*0501		SSP,RVSSO
4492	Charron,D.	*0304	*1301/87	*0101	*0202	*0201	*0603	*0103	*0501	*0402	P-SSP,SSO
3224	Chen,Dongfen	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501		SBT,SSP
8021	Clark,Brenda	*0304	*1301	*01	*02	*0201	*0603			*0402	P-SSP,SSO
3632	Colombe,Beth	*0304	*1301/87	*0101	*0202	*0201	*0603				SSP
5130	Costeas,Paul	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501		SSO,SSP
779	Daniel,Claud	*03(DR17)	*13	*+		*02	*06				P-SSP
5219	Daniel,Dolly	*03	*13	*+		*02	*06				P-SSOP
5323	Dhaliwal,J.S	*0304	*1310	*01	*02	*02	*06				P-SSP
5891	Du,Keming	*0304	*1301			*0201	*0603				P-SBT
856	Dupont,Bo	*0304	*1301/28/35+			*0201	*0603/14				SSO
5214	Eckels/CPMC	*03(DR17)	*13	*0101	*0202	*0201	*06	*0103	*0501	*0402	SSOP
3428	Eckels/Utah	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501	*0402/*0602	SSOP
2332	Elkhalifa,Mo	*0304	*1301			*0201	*0603				RVSSO
4251	Ellis,Thomas	*0304	*1301	*01	*0202/12	*0201	*0603			*0402/*0602	P-SSO,SEQ
3135	Fischer,John	*03:04	*13:01	*01:01	*02:02	*02:01	*06:03			*04:02	SBT,P-SSP
762	Fischer/Mayr	*0304	*1301	*0101	*0202	*0201	*0603	*01	*05		RSSO,LBT,SSP+
792	Gandhi&Genco	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501		SSO,SSP
8043	Gideoni,Osna	*0304	*1301			*0201	*0603	*0103	*0501		SSP,SSOP
9002	Gideoni_LR	*03	*13			*02	*06	*01	*05		SSOP,SSP
234	Gomez,Carmen	*03	*13	*0101	*0202	*02	*06				SSOP
910	Hahn,Amy B.	*03:04	*13:01	*01:01/12/13	*02:02/23	*02:01	*06:03				
4691	Hajeer,Ali	*03	*13			*02	*06				SSO
810	Hamdi,Nuha	*0304	*1301			*0201	*0603	*0103	*0501		SSO
4269	Hanau,Daniel	*0304	*1301			*0201	*0603			*0402	SSP,SBT-DR
1461	Hidajat,M.	*0304	*1301	*0101	*0202	*0201	*0603			*0402	SSO,SSP
2344	Hurley/Hartz	*0304	*1301			*0201	*0603			*0402/*0602	SBT
771	Israel,Shosh	*0304	*1301			*0201	*0603				SSP
9003	Israel_LR	*03	*13			*02	*06				RVSSO
748	Jaramillo,An	*03(DR17)	*13	*01+		*02	*06				P-SSP
859	Kamoun,Malek	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501		P-SSO,SSP
797	Kato,Shunich	*0304	*1301			*0201	*0603	*0103	*0501		SSO,+SBT-DR
4337	Kim,Tai-Gyu	*03:04	*13:01			*02:01	*06:03			*04:02	SBT
168	Klein,Tirza	*0301	*1301			*0201	*0603				P-SSP,SSO
9000	Klein_LR	*03	*13			*02	*06				P-SSP,SSO
5096	Koh,Eun-mi	*03	*13								P-SSO
87	Land,Geoffre	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501	*0402	SSO,SSP,SBT
725	Lardy,N,M.	*03	*13	*+		*02	*06	*0103	*0501		SSO,SSP
278	Lee,Jar-How	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501	*0402/*0602	SSP,RVSSOP
640	Lee,Kyung Wh	*03:04	*13:01			*02:01	*06:03	*01:03	*05:01:01		P-SBT
6649	Lim,Young Ae	*03	*13	*+							P-SSP
274	Lo,Raymundo	*0301	*13	*+		*02	*06				SSP
759	Lopez-Cepero	*0301/04/07+	*1301/27/28+			*0201	*0603	*0103	*0501	*0402/*0602+	RVSSO
23	Mah,Helen	*03:04	*13:01	*01:01	*02:02	*02:01	*06:03	*01:03	*05:01		SSO,SSP
8029	Mani,Rama	*03	*13	*+							SSP
206	McAlack-Bala	*03(DR17)	*13	*0101	*0202	*0201	*0603	*0103	*0501		RVSSOP
9916	McIntyre,Joh	*0304	*130101	*0101/12/13	*0202	*0201	*0603				SBT,SSP
9001	Muncher_LR	*0304	*1301			*0201	*0603				SSOP,SSP
8065	Padua,Flore	*03	*13	*01		*02	*06				SSP
3648	Pereira,Noem	*03:04	*13:01:01			*02:01:01	*06:03:01				RVSSO,SBT
3966	Permpikul&Ve	NT									

B-CELL LINE TER-439

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB3X	DQB1	DQB1X	DQA1	DQA1X	DPB1	METHOD
2400	Phelan,Donna	*0304	*1301	*01	*02	*0201	*0603				RSSO,SBT,SSP
3753	Reed,Elaine	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501		SBT,SSO
3798	Reinsmoen,N	*0304	*130101	*0101	*0202	*0201	*0603	*0103	*0501	*0402	SSP,RSSO,SBT
1160	Rosen-Bronso	*03	*13	*01	*02	*02	*06				RVSSO
793	Rubocki,Rona	*03(DR17)	*13	*+		*02	*06				SSP
3519	Semana,Gilbe	*0304	*1301	*0101	*0202	*0201	*0603			*0402	SBT,P-SSP
8001	Sheikh,Maqso	*0304	*1301	*0101	*0202	*0201	*0603				
746	Stamm,Luz	*03:04	*13:01	*01	*02	*02:01	*06:03				SSO,SSP,SBT
13	Tagliere,Jac	*0304	*1301	*0101	*0202	*0201	*060301				SSP
747	Tiercy,Jean-	*0304	*130101	*0101	*0202	*0201	*060301			*0402	SBT,SSO,SSP
5451	Tilanus,Marc	*0304	*130101	*010102	*020201	*020101	*060301	*0103	*050101	*0402	SBT
4021	Trachtenberg	*03	*13	*01	*02	*0201	*06				RVSSO
5462	Turner,E.V.	*03:04	*13:01	*01:01	*02:02	*02:01	*06:03			*04:02	SEQ,SSO,SSP
5642	Varnavidou-N	*0304	*1301	*+		*0201	*0603				P-SSP
3511	Zeevi,Adrian	*0304	*1301	*0101	*0202	*0201	*0603	*0103	*0501	*0402	RVSSOP,SSP

CTR	DIRNAME	DR17	DR13	DR52	DQ2	DQ1	OTH1	OTH2
4492	Charron,D.	DR3	+	+	+	+		
5195	Gomez,Carmen	+	+	+	+	DQ6		
910	Hahn,Amy B.	+	+	+	+	+		
4908	Kvam,Vonnett	+	+	+	+	+		
54	McAlack,Robe	+	+	+	+	DQ6		
8004	Pais,Maria L	+	+	+	+	DQ6		
793	Rubocki,Rona	DR3	+	+	+	DQ6		
8063	Shai,Isaac	NT						

B-CELL LINE TER-439

71 DNA LABS

71 LABS REPORTING DRB1	
DRB1*03	27%
DRB1*0301	3%
DRB1*0304	58%
DRB1*03:04	12%
DRB1*03	100% TOTAL
DRB1*13	34%
DRB1*1301	42%
DRB1*13:01	10%
DRB1*130101	12%
DRB1*13:01:01	1%
DRB1*1310	1%
DRB1*13	100% TOTAL

68 LABS REPORTING DQB1	
DQB1*02	22%
DQB1*0201	59%
DQB1*02:01	12%
DQB1*020101	5%
DQB1*02:01:01	1%
DQB1*0205	1%
DQB1*02	100% TOTAL
DQB1*06	25%
DQB1*0602	1%
DQB1*0603	52%
DQB1*06:03	12%
DQB1*060301	9%
DQB1*06:03:01	1%
DQB1*06	100% TOTAL

28 LABS REPORTING DQA1	
DQA1*01	11%
DQA1*0103	82%
DQA1*01:03	7%
DQA1*01	100% TOTAL
DQA1*05	7%
DQA1*0501	78%
DQA1*05:01	4%
DQA1*050101	4%
DQA1*05:01:01	4%
DQA1*05	97% TOTAL

50 LABS REPORTING DRB3	
DRB3*+	18%
DRB3*0101	46%
DRB3*01:01	6%
DRB3*010102	4%
DRB1*01	26%
DRB3*0202	48%
DRB3*02:02	6%
DRB3*020201	6%
DRB3*02	20%

21 LABS REPORTING DPB1	
DPB1*0402/*0602+	5%
DPB1*0402/*0602	19%
DPB1*0402	62%
DPB1*04:02	14%

7 SEROLOGY LABS

DR3	29%
DR17	71%
DR3	100% TOTAL
DR13	100%
DR52	100%

DQ2	100%
DQ1	43%
DQ6	57%
DQ1	100% TOTAL

B-CELL LINE TER-440

CTR	DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079	Abbal,Michel	*10:01/03	*13:20		*03:03	*05:01					P-SSO,SSP
5488	Adams,Sharon	*100101	*1320	*0101	*030302	*050101	*0105	*0302	*020102	*030101	RSSO,SBT,SSP
5133	Baker,Judy	*1001-03	*1320	*0101	*0303	*0501					SSP,SBT
2020	Barnardo,Mar	*100101	*1320	*0101/04	*030302	*050101	*0101/04/05+	*0301-03	*020102	*0301/*0502	P-SSP,SBT
774	Cecka,J.Mich	*1001	*1320	*0101/12/13	*030302	*0501	*0105	*0302			SSP,SSOP
785	Chan,Soh Ha	*1001/02	*1320/29	*010102	*0303/15	*050101	*0103	*0501/03+			SBT
5232	Charlton,Ron	*1001	*1320	*01	*0303	*0501	*01	*03			SSP,RVSSO
4492	Charron,D.	*1001-03	*1320	*0101/12/13	*0303	*0501	*0105	*0302	*0201/*3201	*0301	P-SSP,SSO
3224	Chen,Dongfen	*1001	*1320	*0101	*0303	*0501	*01	*03			SBT,SSP
8021	Clark,Brenda	*1001	*1320	*01	*0303	*0501			*0201	*0301	P-SSP,SSO
3632	Colombe,Beth	*1001	*1320	*0101	*0303	*0501					SSP
5130	Costeas,Paul	*1001-03	*1320	*0101	*0303	*0501	*0105	*0302			SSO,SSP
779	Daniel,Claud	*10	*13	*+	*03(DQ9)	*05					P-SSP
5219	Daniel,Dolly	*10	*13	*+	*03	*05					P-SSOP
5323	Dhaliwal,J.S	*1001	*1320	*0101-04/11	*03	*05					P-SSP
5891	Du,Keming	*1001	*1320		*0303	*0501					P-SBT
856	Dupont,Bo	*1001/02	*1320/29/78		*0303/15/20	*0501					SSO
5214	Eckels/CPMC	*10	*13	*0101	*0303	*0501	*01	*03	*0201	*0301	SSOP
3428	Eckels/Utah	*1001	*1320	*0101	*0303	*0501	*0101/04/05	*0301-03	*0201/*2602+	*0301/*0502+	SSOP
2332	Elkhalifa,Mo	*1001	*1320		*0303	*0501					RVSSO
4251	Ellis,Thomas	*1001	*1320	*01	*0303	*0501			*0201	*0301/*0502	P-SSO,SEQ
3135	Fischer,John	*10:01	*13:20	*01:01	*03:03	*05:01			*02:01	*03:01	SBT,P-SSP
762	Fischer/Mayr	*1001	*1320	*0101	*0303	*0501	*0105	*0302			RSSO,LBT,SSP+
792	Gandhi&Genco	*1001	*1320	*0101	*0303	*0501	*0105	*0302			SSO,SSP
8043	Gideoni,Osna	*1001	*1320		*0303	*0501	*0105	*0302			SSP,SSOP
9002	Gideoni_LR	*10	*13		*03	*05	*01	*03			SSOP,SSP
234	Gomez,Carmen	*10	*13	*0101	*03	*0501					SSOP
910	Hahn,Amy B.	*10:01/03	*13:20	*01:01/12/13	*03:03	*05:01					
4691	Hajeer,Ali	*10	*13		*03	*05					SSO
810	Hamdi,Nuha	*1001	*1320		*0303	*0501	*010101	*030101			SSO
4269	Hanau,Daniel	*1001	*1320								SBT
1461	Hidajat,M.	*1001	*1320	*0101	*0303	*0501			*0201	*0301	SSO,SSP
2344	Hurley/Hartz	*1001	*1320		*0303	*0501			*0201	*0301/*0502+	SBT
771	Israel,Shosh	*1001	*1320		*0303	*0501					SSP
9003	Israel_LR	*10	*13		*03	*05					RVSSO
748	Jaramillo,An	*10	*13	*01+	*03(DQ9)	*05					P-SSP
859	Kamoun,Malek	*1001/03	*1320	*0101	*0303	*0501	*0105	*0302			P-SSO,SSP
797	Kato,Shunich	*1001	*1320		*0303	*0501	*0101/04/05	*0301-03			SSO,+SBT-DR
4337	Kim,Tai-Gyu	*10:01	*13:20		*03:03	*05:01			*02:01	*03:01/*124:01	SBT
168	Klein,Tirza	*1001	*1320		*0303	*0501					P-SSP,SSO
9000	Klein_LR	*10	*13		*03	*05					P-SSP,SSO
5096	Koh,Eun-mi	*10	*13								P-SSO
87	Land,Geoffre	*1001	*1320	*0101	*0303	*0501	*0105	*0302	*0201	*0301	SSO,SSP,SBT
725	Lardy,N,M.	*10	*13	*+	*03	*05	*0105	*0302			SSO,SSP
278	Lee,Jar-How	*1001	*1320	*0101	*0303	*0501	*0105	*0302	*0201	*0301	SSP,RVSSOP
640	Lee,Kyung Wh	*10:01	*13:20		*03:03	*05:01	*01:05	*03:02			P-SBT
6649	Lim,Young Ae	*10	*13	*+							P-SSP
274	Lo,Raymundo	*10	*03	*+	*0303	*05					SSP
759	Lopez-Cepero	*1001/03	*1320/78		*0303	*0501	*0101/04/05	*0301-03	*0201/*1802	*0301/*0502+	RVSSO
23	Mah,Helen	*10:01	*13:20	*01:01	*03:03	*05:01	*01	*03			SSO,SSP
8029	Mani,Rama	*10	*13	*+							SSP
206	McAlack-Bala	*10	*13	*0101	*0303	*0501					RVSSOP
9916	McIntyre,Joh	*100101	*1320	*0101/12/13	*0303	*0501					SBT,SSP
9001	Muncher_LR	*1001	*1320		*0303	*0501					SSOP,SSP
8065	Padua,Flore	*10	*14	*01		*05					SSP
3648	Pereira,Noem	*10:01:01	*13:20		*03:03:02	*05:01:01					RVSSO,SBT
3966	Permpikul&Ve	NT									

B-CELL LINE TER-440

CTR	DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
2400	Phelan,Donna	*1001	*1320	*01	*0303	*0501					RSSO,SBT,SSP
3753	Reed,Elaine	*1001	*1320	*0101	*0303	*0501	*0105	*0302			SBT,SSO
3798	Reinsmoen,N	*100101	*1320	*0101	*030302	*0501	*0105	*0302	*0201/*2602	*0301	SSP,RSSO,SBT
1160	Rosen-Bronso	*10	*13	*01	*03	*05					RVSSO
793	Rubocki,Rona	*10	*13	*+	*03(DQ9)	*05					SSP
3519	Semana,Gilbe	*1001	*1320	*0101	*0303	*0501			*0201	*0301	SBT,P-SSP
8001	Sheikh,Maqso	*1001/03	*1320	*0101	*0303	*0501					
746	Stamm,Luz	*10:01	*13:20	*01	*03:03	*05:01					SSO,SSP,SBT
13	Tagliere,Jac	*1001	*1320	*0101	*0303	*0501					SSP
747	Tiercy,Jean-	*100101	*1320	*0101	*030302	*050101			*020102	*030101	SBT,SSO,SSP
5451	Tilanus,Marc	*100101	*1320	*010102	*030302	*050101	*0105	*0302	*020102	*030101	SBT
4021	Trachtenberg	*10	*13	*01	*03	*0501					RVSSO
5462	Turner,E.V.	*10:01	*13:20	*01:01	*03:03	*05:01			*02:01	*03:01	SEQ,SSO,SSP
5642	Varnavidou-N	*1001/03	*1320	*+	*030302	*0501					P-SSP
3511	Zeevi,Adrian	*1001	*1320	*0101	*0303	*0501	*0105	*0302	*0201	*0301	RVSSOP,SSP

CTR	DIRNAME	DR10	DR13	DR52	DQ9	DQ1	OTH1	OTH2
4492	Charron,D.	+	+	+	DQ3	+	DR3	
5195	Gomez,Carmen	+	+	+	DQ3	+		
910	Hahn,Amy B.			+	DQ3	+	DR1,DR103	DR17,DR4,DR53
4908	Kvam,Vonnett	+	+	+	+	+		
54	McAlack,Robe	+	+	+	+	DQ5		
8004	Pais,Maria L	+	+			DQ5		DQ6
793	Rubocki,Rona	+	+	+	+	+		
8063	Shai,Isaac	NT						

B-CELL LINE TER-440 (Caucasian)

71 DNA LABS

71 LABS REPORTING DRB1	
DRB1*10	34%
DRB1*1001/13	6%
DRB1*10:01/13	3%
DRB1*1001	40%
DRB1*10:01	8%
DRB1*100101	8%
DRB1*10:01:01	1%
DRB1*10	100% TOTAL
DRB1*13	28%
DRB1*1320	56%
DRB1*13:20	13%
DRB1*13	97% TOTAL

67 LABS REPORTING DQB1	
DQB1*03	22%
DQB1*0303	52%
DQB1*03:03	12%
DQB1*030302	10%
DQB1*03:03:02	2%
DQB1*03	98% TOTAL
DQB1*05	19%
DQB1*0501	60%
DQB1*05:01	12%
DQB1*050101	7%
DQB1*05:01:01	2%
DQB1*05	100% TOTAL

27 LABS REPORTING DQA1	
DQA1*01	33%
DQA1*010101	4%
DQA1*0103	4%
DQA1*0105	55%
DQA1*01:05	4%
DQA1*01	100% TOTAL
DQA1*03	33%
DQA1*030101	4%
DQA1*0302	55%
DQA1*03:02	4%
DQA1*03	96% TOTAL

50 LABS REPORTING DRB3	
DRB3*+	18%
DRB3*0101	44%
DRB3*01:01	6%
DRB3*010102	4%
DRB1*01	28%

20 LABS REPORTING DPB1	
DPB1*0201+	20%
DPB1*0201	45%
DPB1*02:01	15%
DPB1*020102	20%
DPB1*0301+	5%
DPB1*0301/*0502+	25%
DPB1*0301	45%
DPB1*03:01	10%
DPB1*030101	15%

7 SEROLOGY LABS

DR10	86%
DR13	86%
DR52	86%

DQ3	43%
DQ9	43%
DQ3	86% TOTAL
DQ1	71%
DQ5	29%
DQ1	100% TOTAL

	SERUM NO. 1021												SERUM NO. 1022											
	% POS	% 8'S	B 3 5	B 5 3	B 5 1	B 1 8	B 5 2	B 7 8	B 7 5	B 6 3	B 7 1	B 7 7		% POS	% 8'S	B 3 5	B 5 1	B 5 3	B 5 2	B 7 8	B 7 5	B 6 2	B 1 8	B 6 3	B 7 1	METHOD
Abbal,Michel	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+		+	+	B77	(3)
Al-Attas,Rab	???	???			+	+	+		+	+		+	B62,B76,B49>	???	???		+		+		+	+		+		A23,A24,A25>	(3)
Alvarez & Ca	19	100	+		+	+	+						B49,B62	31	100	+	+		+			+	+			B49,B57,A25>	(3)
Baker,Judy	49	???	+	+	+	+		+	+	+		+		60	???	+	+	+	+	+	+			+		B77	(3)
Berka,Noured	28	100	+	+				+						100												MULTI	(4)
Cecka,J.Mich	28	67	+	+	+				+					74	59	+					+	+	+				BW4,B50,B56>	(4)
Charlton,Ron	60	???	+	+	+	+	+	+					B15,B56	92	???	+	+	+	+	+			+			B15,B46	(3)
Choo,Yoon MD	56	100	+	+	+	+	+	+			+		B72	80	100	+	+	+	+	+				+	+	B72	(3)
Claas,F.H.J.	62	0	+	+		+					+		B5	26	0	+		+			+					B5	(6)
Cohen,JHM Pr	47	???	+	+	+	+	+	+	+			+		69	???	+	+	+		+	+			+	+	B77	(3)
Dunckley,Hea	14	56	+		+									13	80	+	+		+								(1)
Dunk,Arthur	20	50	+	+	+			+						37	25	+	+	+	+	+						B27,B42	(6)
Dunn,Dale Dr	22	100	+	+	+									23	83	+	+	+	+	+							(4)
Dunn,Paul Dr	30	100	+	+	+								B57	60	100	+	+		+								(2)
Eckels/CPMC,	47	???											MULTI	90	???											MULTI	(4)
Elkhalifa MD	???	???	+	+	+	+	+	+	+		+	+	B49	???	???	+	+	+	+	+	+	+			+	B77,B49	(3)
Esteves Kond	10	0	+											13	100	+		+									(1)
Esteves-Kond	58	50	+	+	+	+	+	+		+	+		B62,B37	94	50	+	+	+	+	+	+	+	+	+		B49	(3)
Gandhi & Gen	25	???	+	+	+	+	+	+	+	+	+	+		40	???	+	+	+	+	+	+	+		+	+	B77	(3)
Gautreaux,Mi	68	???	+	+		+		+		+			B57,B72,B62>	92	???	+	+	+		+		+	+		+	B72	( )
Gideoni,Osna	56	100	+	+	+	+	+	+		+			B37,B62,B50	86	100	+	+	+	+	+		+	+	+		A43,A30	(3)
Hahn,Amy B.	41	100	+	+	+	+				+			B37	34	100	+	+									A23,A66,B45>	(4)
Hamdi,Nuha D	45	100	+	+	+	+	+						A30,B49,B72	76	100	+	+					+				A68,A30,B57,A2>	(3)
Han,Hoon Dr	47	???	+	+	+	+	+	+	+				B49	58	???	+	+	+	+	+	+				+	B49	(3)
Harville,Ter	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+		+	+	+	B77	(3)
Hogan,Patric	13	38	+											8	27	+	+										(1)
Holdsworth,R	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+		+	+	B77	(3)
Ichikawa MD,	14	???	+		+								B62,B37	35	???	+	+		+		+	+				B37,B59,B58>	(3)
Klein,Tirza	54	100	+			+		+	+		+		B62,B50,B56>	78	100	+				+	+	+	+	+	+	B50,B49,B56	(3)
Lardy,N.M. D	25	100	+	+	+									33	100	+	+	+	+								(2)
Leech MD,Ste	???	???	+	+		+							B37,B46,B21,B5>	???	???	+		+					+			B15,A9,A32,B21>	(3)
MacCann,Eile	68	???	+	+	+	+	+	+		+			B37,A11,B62	94	???	+	+	+	+	+		+	+	+		B49,B50	(3)
Mah,Helen	18	86	+	+		+								43	88	+	+				+		+				(4)
McAlack,Robe	27	100	+	+	+		+			+	+		B72,B49,B50>	42	100	+	+	+	+	+	+	+		+		B76,B77	(3)
McAlack-Bala	57	100	+	+	+	+	+	+	+		+			71	100	+	+	+	+	+	+				+	B49	(3)
McCluskey,Ja	???	???	+	+	+	+		+	+	+			B56,B62,B72	???	???	+		+		+	+	+	+	+		B72,B56,B37	(3)
Meyer,Pieter	31	???	+	+	+	+	+	+			+		B49,B50	84	???	+							+			A2,A11,A23,A24>	(3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+		+			???	???	+	+	+	+	+	+				+	B49	(3)
Pais,Maria L	19	???	+	+	+	+	+						B49,B50,B15	23	???	+	+	+	+							B15,B49,B50>	(3)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+		+	+	B77	(3)
Permpikul &	9	100	+		+									10	100	+										A3	(1)
Phelan,Donna	40	???	+	+	+	+	+	+					B15,B70,B37>	33	???	+	+	+	+	+			+			B15,B70,B37>	(6)
Pidwell/Aska	23	100	+	+	+									46	100	+	+	+	+				+			B49,B50,B57	(2)
Rees,Tracey	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+		+	+				+	A32,A25,A23>	(3)
Rosen-Bronso	???	100	+	+	+	+	+	+	+	+		+	B62	???	100	+	+	+	+	+	+	+		+		B76,B77	(3)
Sage,Deborah	78	???				+		+		+	+	+	B21,B5,B15,B72>	98	???										+	A23,A24,A25,B5>	(3)
Sinnott & Gu	???	???	+	+	+	+	+						B56,B37,B46>	???	???	+							+			A23,A24,A25,B8>	(3)
Smith/MI,	47	???	+	+	+	+	+		+	+	+			95	???	+	+	+	+		+	+	+			B46,B72,B56	(4)
Suciu-Foca,N	17	45	+	+		+							B5	20	30	+		+					+			B5	(1)
Sullivan,Kar	48	???	+	+	+		+		+	+			B15,B5,B62,B76	73	???	+							+			A23,A24,A25,B5>	(5)
Tagliere,Jac	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+		+	+	B77	(3)
Turner,E.V.	???	???	+	+	+	+	+		+	+	+	+	B56	???	???	+	+	+	+	+	+	+	+	+		B77	(3)

********** SERUM NO.1021 ********** ********** SERUM NO.1022 **********

*** 52 TYPING LABS ***			*** 52 TYPING LABS ***		
B35	94%	0.924	B35	92%	0.835
B53	81%	0.972	B51	73%	0.864
B51	79%	0.923	B53	65%	0.930
B18	71%	0.919	B52	60%	0.872
B52	56%	1.000	B78	52%	0.967
B78	50%	0.966	B75	48%	0.973
B75	42%	0.958	B62	40%	1.000
B63	38%	0.964	B18	38%	1.000
B71	37%	0.957	B63	35%	1.000
B77	27%	1.000	B71	31%	1.000
B62	23%	0.917	B77	23%	1.000
B49	17%	1.000	B49	21%	0.944
B37	15%	1.000	A23	15%	1.000
B50	13%	1.000	A32	15%	1.000
B72	13%	0.800	A25	13%	1.000
B15	12%	1.000	A24	12%	1.000
B56	12%	0.857	B15	12%	1.000
B5	10%	1.000	B5	10%	1.000
B76	6%	1.000	B37	10%	1.000
B21	4%	1.000	B50	10%	1.000
B46	4%	1.000	B56	10%	1.000
B54	4%	1.000	B72	10%	0.909
B57	4%	1.000	B57	8%	0.875
			B76	6%	1.000
			A30	4%	1.000
			B8	4%	1.000
			B38	4%	1.000
			B44	4%	1.000
			B46	4%	1.000
			B58	4%	1.000
			MULTI	4%	1.000
			BW4	4%	0.857
			B27	4%	0.750
			A2	4%	0.625

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

*** 52 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: All

********** SERUM NO. 1021 ********** ********** SERUM NO. 1022 **********

	% POS	% 8'S	B 3 5	B 5 3	B 5 1	B 5	B 1 8		% POS	% 8'S	B 3 5	B 5 3	B 5 1	B 5		METHOD
Claas,F.H.J.	62	0	+	+		+	+ B71		26	0	+	+		+	B75	(1)
Dunckley,Hea	14	56	+		+				13	80	+		+		B52	(1)
Esteves Kond	10	0	+						13	100	+	+				(1)
Hogan,Patric	13	38	+						8	27	+		+			(1)
Permpikul &	9	100	+		+				10	100	+				A3	(1)
Suciu-Foca,N	17	45	+	+		+	+		20	30	+	+		+	B18	(1)

********** SERUM NO.1021 ********** ********** SERUM NO.1022 **********

*** 6 TYPING LABS ***			*** 6 TYPING LABS ***		
B35	100%	0.750	B35	100%	0.538
B5	33%	1.000	B53	50%	0.714
B18	33%	0.889	B5	33%	1.000
B53	33%	0.889	B51	33%	0.308
B51	33%	0.400	A3	17%	1.000
B71	17%	0.667	B18	17%	1.000
			B75	17%	1.000
			B52	17%	0.800

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

********** SERUM NO. 1021 ********** ********** SERUM NO. 1022 **********

	% POS	% 8'S	B 5 3	B 5 1	B 3 5		METHOD
Dunn,Paul Dr	30	100	+	+	+	B57	(2)
Lardy,N.M. D	25	100	+	+	+		(2)
Pidwell/Aska	23	100	+	+	+		(2)

	% POS	% 8'S	B 5 2	B 5 1	B 3 5	B 5 3		METHOD
Dunn,Paul Dr	60	100	+	+	+			(2)
Lardy,N.M. D	33	100	+	+	+	+		(2)
Pidwell/Aska	46	100	+	+	+	+	B18,B49,B50,B57	(2)

********** SERUM NO.1021 ********** ********** SERUM NO.1022 **********

*** 3 TYPING LABS ***			*** 3 TYPING LABS ***		
B35	100%	1.000	B51	100%	1.000
B51	100%	1.000	B35	100%	0.900
B53	100%	1.000	B52	100%	0.600
B57	33%	1.000	B53	67%	1.000
			B18	33%	1.000
			B49	33%	1.000
			B50	33%	1.000
			B57	33%	0.500

*** 3 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: NIH-ext

	SERUM NO. 1021												SERUM NO. 1022											
	% POS	% 8'S	B 1 8	B 3 5	B 5 3	B 5 1	B 5 2	B 7 8	B 7 5	B 7 1	B 6 3	B 7 7		% POS	% 8'S	B 3 5	B 5 3	B 5 1	B 7 8	B 7 5	B 5 2	B 7 1	B 6 3	B 6 2	B 7 7		METHOD
Abbal,Michel	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Al-Attas,Rab	???	???	+			+	+		+		+	+	B62,B76,B49>	???	???			+		+	+		+	+		A23,A24,A25>	(L-3)
Alvarez & Ca	19	100	+	+		+	+						B49,B62	31	100	+		+			+			+		B49,B18,B57>	(F-3)
Baker,Judy	49	???	+	+	+	+		+	+		+	+		60	???	+	+	+	+	+	+		+		+		(L-3)
Berka,Noured	64	100	+	+	+	+	+	+	+	+	+	+		88	100	+	+	+	+	+	+	+	+		+	B18	(L-3)
Cecka,J.Mich	71	100	+	+	+	+	+	+	+	+	+		B37	98	94	+			+	+		+		+		BW4,B18,B72>	(L-3)
Charlton,Ron	60	???	+	+	+	+	+	+					B15,B56	92	???	+	+	+	+		+					B15,B18,B46	(L-3)
Choo,Yoon MD	56	100	+	+	+	+	+	+		+			B72	80	100	+	+	+	+		+	+	+			B72	(F-3)
Cohen,JHM Pr	47	???	+	+	+	+	+	+	+			+		69	???	+	+	+	+	+		+	+		+		(L-3)
Dunn,Paul Dr	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Eckels/CPMC,	???	???	+	+	+	+	+						B37,B46,B49>	???	???	+										A23,A24,A25>	(LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+		+	B49	???	???	+	+	+	+	+	+	+		+	+	B49	(F-3)
Esteves-Kond	58	50	+	+	+	+	+	+		+	+		B62,B37	94	50	+	+	+	+	+	+		+	+		B49,B18	(F-3)
Gandhi & Gen	25	???	+	+	+	+	+	+	+	+	+	+		40	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Gideoni,Osna	56	100	+	+	+	+	+	+			+		B37,B62,B50	86	100	+	+	+	+		+		+	+		B18,A43,A30	(L-3)
Hahn,Amy B.	31	???	+	+	+	+	+	+	+	+		+	B49	48	???	+	+	+	+	+	+	+			+	B49,B72	(L-3)
Hamdi,Nuha D	45	100	+	+	+	+	+						A30,B49,B72	76	100	+		+						+		A68,A30,B57,A2>	(L-3)
Han,Hoon Dr	47	???	+	+	+	+	+	+	+				B49	58	???	+	+	+	+	+	+	+				B49	(L-3)
Harville,Ter	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+		+	B18	(L-3)
Hogan,Patric	20	???	+	+	+	+		+	+		+	+	B56,B37	40	???	+	+	+	+	+		+	+	+	+	B56	(L-3)
Holdsworth,R	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Klein,Tirza	54	100	+	+				+	+	+			B62,B50,B56>	78	100	+			+	+		+	+	+		B18,B50,B49>	(L-3)
Leech MD,Ste	???	???	+	+	+								B37,B46,B21,B5>	???	???	+	+									B15,A9,A32,B18	(LF-3)
MacCann,Eile	68	???	+	+	+	+	+	+			+		B37,A11,B62	94	???	+	+	+	+		+		+	+		B18,B49,B50	(L-3)
Mah,Helen	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+		+	+	+	+	B18	(L-3)
McAlack,Robe	27	100		+	+	+	+			+	+		B72,B49,B50>	42	100	+	+	+	+	+	+		+	+	+	B76	(L-3)
McAlack-Bala	57	100	+	+	+	+	+	+	+	+				71	100	+	+	+	+	+	+	+				B49	(L-3)
McCluskey,Ja	???	???	+	+	+	+		+	+		+		B56,B62,B72	???	???	+	+		+	+			+	+		B72,B56,B37>	(L-3)
Meyer,Pieter	31	???	+	+	+	+	+	+		+			B49,B50	84	???	+										A2,A11,A23,A24>	(L-3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+				???	???	+	+	+	+	+	+	+				B49	(L-3)
Pais,Maria L	19	???	+	+	+	+	+						B49,B50,B15	23	???	+	+	+			+					B15,B49,B50>	(L-3)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Permpikul &	???	???	+	+	+	+	+	+		+			B76,B49,B50	???	???	+	+	+	+	+	+					B72,A33,A30>	(L-3)
Phelan,Donna	22	???	+	+	+			+					B5,B15,B21,B46>	30	???	+	+									A23,A25,A32,B5>	(L-3)
Pidwell/Aska	54	100	+	+	+	+	+	+	+	+		+	B56	91	100	+	+	+	+	+	+	+			+	B18,B49	(F-3)
Rees,Tracey	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+		+				A32,A25,A23>	(L-3)
Rosen-Bronso	???	100	+	+	+	+	+	+	+		+	+	B62	???	100	+	+	+	+	+	+		+	+	+	B76	(L-3)
Sage,Deborah	78	???	+						+	+		+	B21,B5,B15,B72>	98	???							+				A23,A24,A25,B5>	(L-3)
Sinnott & Gu	???	???	+	+	+	+	+						B56,B37,B46>	???	???	+										A23,A24,A25,B8>	(L-3)
Smith/MI,	57	???	+	+	+	+	+	+	+	+	+	+		76	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Suciu-Foca,N	???	100	+	+	+	+	+	+	+	+	+	+		???	100	+	+	+	+	+	+	+	+		+		(L-3)
Tagliere,Jac	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Turner,E.V.	???	???	+	+	+	+	+		+	+	+	+	B56	???	???	+	+	+	+	+	+		+	+	+	B18	(L-3)

(3) – L—Luminex, F-Flow

********** SERUM NO.1021 ********** ********** SERUM NO.1022 **********

*** 43 TYPING LABS ***			*** 43 TYPING LABS ***		
B18	98%	1.000	B35	95%	1.000
B35	95%	1.000	B51	79%	1.000
B51	91%	1.000	B53	79%	1.000
B53	91%	1.000	B78	77%	1.000
B52	84%	1.000	B75	72%	0.974
B78	77%	1.000	B52	67%	1.000
B75	65%	1.000	B63	56%	1.000
B71	60%	1.000	B71	56%	1.000
B63	53%	1.000	B62	51%	1.000
B77	51%	1.000	B77	47%	1.000
B49	28%	1.000	B18	42%	1.000
B37	21%	1.000	B49	26%	1.000
B50	21%	1.000	A32	21%	1.000
B62	21%	1.000	A23	19%	1.000
B56	16%	1.000	A25	19%	1.000
B72	14%	0.818	A24	14%	1.000
B15	12%	1.000	B15	12%	1.000
B46	9%	1.000	B72	12%	1.000
B5	7%	1.000	B37	9%	1.000
B21	7%	1.000	B50	9%	1.000
B76	7%	1.000	A30	7%	1.000
B54	5%	1.000	B5	7%	1.000
			B38	7%	1.000
			B44	7%	1.000
			B46	7%	1.000
			B56	7%	1.000
			B57	7%	1.000
			B76	7%	1.000
			A33	5%	1.000
			A68	5%	1.000
			B8	5%	1.000
			B21	5%	1.000
			B27	5%	1.000
			A2	5%	0.625

*** 43 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: Luminex/Flow

	SERUM NO. 1021								SERUM NO. 1022											
	% POS	% 8'S	B 5 3	B 3 5	B 5 1	B 1 8	B 7 5	B 6 3		% POS	% 8'S	B 3 5	B 5 1	B 1 8	B 7 5	B 5 3	MULTI	B 7 2	B 6 2	B 5 2		METHOD
Berka,Noured	28	100	+	+				B78		100						+						(4)
Cecka,J.Mich	28	67	+	+	+		+			74	59	+		+	+			+	+	+	BW4,B50	(4)
Dunn,Dale Dr	22	100	+	+	+					23	83	+	+			+				+	B78	(4)
Eckels/CPMC,	47	???						MULTI		90	???						+					(4)
Hahn,Amy B.	41	100	+	+	+	+		+	B37	34	100	+	+								A23,A66,B45>	(4)
Mah,Helen	18	86	+	+		+				43	88	+	+	+	+							(4)
Smith/MI,	47	???	+	+	+	+	+	+	B71,B52	95	???	+	+	+	+	+		+	+	+	+	B46	(4)
Suciu-Foca,N	12	60	+	+		+			B5	25	30	+		+		+						B5	(4)

SERUM NO.1021

*** 8 TYPING LABS ***

B35	88%	1.000
B53	88%	0.947
B51	50%	1.000
B18	50%	0.692
B63	25%	1.000
B75	25%	0.667
B37	13%	1.000
B52	13%	1.000
B71	13%	1.000
B78	13%	1.000
MULTI	13%	1.000
B5	13%	0.920

SERUM NO.1022

*** 8 TYPING LABS ***

B35	75%	0.912
B18	50%	1.000
B51	50%	1.000
B53	38%	1.000
B75	38%	1.000
B56	25%	1.000
B62	25%	1.000
B72	25%	1.000
MULTI	25%	1.000
B52	25%	0.400
A23	13%	1.000
A66	13%	1.000
B5	13%	1.000
B46	13%	1.000
B50	13%	1.000
B78	13%	1.000
BW4	13%	0.853
B45	13%	0.750
B49	13%	0.750

*** 8 LABORATORIES REPLIED ***

NEXT SHIPMENT: AUG 4 2010

Method: Antiglobulin

********** SERUM NO. 1021 ********** ********** SERUM NO. 1022 **********

	% POS	% 8'S	B 5 3	B 5 2	B 5 1	B 7 8	B 7 5	B 6 2	B 3 7	B 3 5	B 7 2	B 6 3		% POS	% 8'S	B 3 5	B 6 2	B 5 3	B 5 2	B 5 1	B 7 5	B 7 2	B 6 3	B 5 7	B 1 8		METHOD
Esteves-Kond	63	33	+	+	+	+		+	+	+		+	B18,B49	80	33	+		+	+	+		+		+	B49,B77,B37>	(5)
Hahn,Amy B.	21	100	+	+	+	+	+		+	+	+		A2,B18	28	100	+	+	+	+	+	+	+	+	+	B78	(5)
McAlack,Robe	26	100	+	+	+	+	+	+	+		+		B71,A2	35	50	+	+	+	+	+	+		+		B71	(5)
Sullivan,Kar	48	???	+	+	+		+	+		+		+	B15,B5,B76	73	???	+								+	A23,A24,A25,B5>	(5)

********** SERUM NO.1021 ********** ********** SERUM NO.1022 **********

*** 4 TYPING LABS ***

B51	100%	1.000
B52	100%	1.000
B53	100%	1.000
B35	75%	1.000
B37	75%	1.000
B62	75%	1.000
B75	75%	1.000
B78	75%	1.000
A2	50%	1.000
B63	50%	1.000
B72	50%	1.000
B18	50%	0.800
B5	25%	1.000
B15	25%	1.000
B71	25%	1.000
B76	25%	1.000
B49	25%	0.667

*** 4 TYPING LABS ***

B35	100%	1.000
B51	75%	1.000
B52	75%	1.000
B53	75%	1.000
B62	75%	1.000
B18	50%	1.000
B57	50%	1.000
B63	50%	1.000
B72	50%	1.000
B75	50%	1.000
A23	25%	1.000
A24	25%	1.000
A25	25%	1.000
A32	25%	1.000
BW4	25%	1.000
B5	25%	1.000
B15	25%	1.000
B17	25%	1.000
B37	25%	1.000
B49	25%	1.000
B50	25%	1.000
B71	25%	1.000
B77	25%	1.000
B78	25%	1.000

*** 4 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: Elisa

	SERUM NO. 1023											SERUM NO. 1024											
	% POS	% 8'S	B 35	B 51	B 53	B 78	B 62	B 18	B 75	B 52	B 63	B 49		% POS	% 8'S	B 35	B 53	B 51	B 78	B 18	B 50	B 75	B 62	B 52	B 49		METHOD
Abbal,Michel	???	???	+	+	+	+	+	+	+		+		B56,B77	???	???	+	+	+	+	+		+				CX18,CW6,CX15>	(3)
Al-Attas,Rab	???	???											A2,A69,A23,A24>	???	???			+					+	+		A24,A23,B7,B8>	(3)
Alvarez & Ca	38	100	+	+			+	+		+		+	B57,A25,A32	34	100	+		+		+			+		+	B45,B60,B65,B8	(3)
Baker,Judy	98	???	+	+	+	+		+	+		+		CW10	95	???	+	+	+	+	+		+		+		CX15	(3)
Berka,Noured	66	100	+	+	+	+		+			+		B71,B57,B46>	21	100	+	+									B45	(4)
Cecka,J.Mich	59	0	+	+				+		+		+	A23,A24,A32>	43	78	+	+	+			+	+		+	+	B37,B57,B71	(4)
Charlton,Ron	94	???	+	+	+	+		+		+			B15,B56	98	???	+	+	+	+	+		+				CX18,B56	(3)
Choo,Yoon MD	98	100	+	+	+	+				+			A68,A69,B58	93	100	+	+	+	+		+			+	+	B71	(3)
Claas,F.H.J.	48	43	+		+	+	+		+		+		B5	3	0	+		+									(6)
Cohen,JHM Pr	93	???	+	+	+	+	+	+		+	+		B76,B46	53	???	+	+	+	+	+						CX18,CW6,CX15	(3)
Dunckley,Hea	22	89	+	+						+				10	29	+											(1)
Dunk,Arthur	18	75	+	+	+	+								18	50	+	+	+									(6)
Dunn,Dale Dr	30	100	+	+	+	+				+			B42	8	33	+	+										(4)
Dunn,Paul Dr	42	100	+	+										10	100	+											(2)
Eckels/CPMC,	88	???											MULTI	57	???											MULTI	(4)
Elkhalifa MD	???	???	+	+	+	+	+		+	+		+	B71,B50	???	???	+	+	+	+		+	+				CX17,CW6,CX18>	(3)
Esteves Kond	16	60	+		+									20	80	+	+										(1)
Esteves-Kond	95	50	+	+	+	+	+	+		+	+	+	B46	93	50	+	+	+	+	+			+	+	+	B71,B72	(3)
Gandhi & Gen	56	???	+	+	+	+	+		+	+	+		B77,B71	59	???	+	+	+	+	+		+				CX18,CX15,CW6>	(3)
Gautreaux,Mi	85	???	+	+	+	+	+	+				+	B72,B57	98	???	+	+	+	+	+			+			B72,B45,B56	( )
Gideoni,Osna	94	100	+	+		+	+	+					A29,B13,A43>	60	100	+	+	+	+	+	+		+			A30,A80,A69	(3)
Hahn,Amy B.	6	0	+		+								B72	63	100	+	+	+			+		+	+	+	B77,B57,B58	(4)
Hamdi,Nuha D	89	100	+	+				+				+	A33,B73,B56,A1>	56	100	+	+	+				+		+	+	B8,A68,B72,B67	(3)
Han,Hoon Dr	44	???	+	+	+	+			+			+	B50,B71	53	???	+	+	+	+		+			+	+	B71	(3)
Harville,Ter	???	???	+	+	+	+	+		+		+		CW10,B71,B56	???	???	+	+	+	+	+		+				CW6,CX18,CX15>	(3)
Hogan,Patric	27	82	+	+	+									11	43	+											(1)
Holdsworth,R	???	???	+	+	+	+	+			+	+		B15,B77,B56	???	???	+	+	+	+	+	+	+				CX18,CW6,CX15	(3)
Ichikawa MD,	32	???	+	+			+		+	+			B56,B58,B59	38	???	+		+					+			B61,B60,B7,A24>	(3)
Klein,Tirza	82	100	+		+	+	+	+				+	B56,B50,B71>	68	100	+	+		+	+	+		+			B67,B60,B61>	(3)
Lardy,N.M. D	44	100	+	+	+		+		+	+		+		14	100	+	+	+									(2)
Leech MD,Ste	???	???	+		+			+					B15,B5,B21,B17>	???	???	+	+	+		+						B15,B22,B40>	(3)
MacCann,Eile	94	???	+	+	+	+	+	+			+	+	B50,B72	98	???	+	+	+	+	+	+		+		+	B45,A11	(3)
Mah,Helen	48	100	+	+			+	+	+		+		B50,B57	18	0	+											(4)
McAlack,Robe	61	100	+	+	+	+	+		+	+	+		B76,B77	62	100	+	+	+	+		+	+	+	+	+	B63	(3)
McAlack-Bala	89	100	+		+	+	+					+	B71,B72,B50	83	100	+	+	+	+	+	+				+	B71	(3)
McCluskey,Ja	???	???	+		+	+	+	+	+		+		B56,B54,B72	???	???	+	+		+	+		+	+			CX18,B54,B56>	(3)
Meyer,Pieter	85	???	+	+	+	+		+					A68,A33,B57,A1>	15	???	+	+	+	+		+			+	+	B71,B72	(3)
Ozawa,Mikki	???	???	+	+	+	+			+			+	B50,B72	???	??/	+	+	+	+		+	+			+	B71	(3)
Pais,Maria L	36	???		+	+		+		+			+	B15	19	???	+	+	+		+	+			+	+	B15,CW5,CW6	(3)
Pereira,Noem	???	???	+	+	+	+	+		+	+	+		B56,B77	???	???	+	+	+	+		+	+	+			CW6,CX18,CX15	(3)
Permpikul &	20	100	+	+										9	100	+											(1)
Phelan,Donna	57	???											A24,A25,A29,5C	7	???	+	+										(6)
Pidwell/Aska	26	100	+	+	+							+		14	100	+	+										(2)
Rees,Tracey	???	???	+										A29,A43,A25>	???	??2	+	+	+	+	+	+	+				A24,A23,B71	(3)
Rosen-Bronso	???	100	+	+	+	+	+		+		+		B76,B77,CW10	???	100	+	+	+	+		+	+	+	+		B63,B76	(3)
Sage,Deborah	100	???											A23,A24,A25>	100	???											A23,A24,B5,B7>	(3)
Sinnott & Gu	???	???											A11,A25,A26,A2>	???	???	+				+						B8,2708,B37>	(3)
Smith/MI,	97	???	+	+	+		+	+	+				B46,B72,B54	95	???	+	+	+		+			+	+		B8,B46,B54,B72	(4)
Suciu-Foca,N	28	40	+		+								B5	16	18	+	+			+						B5	(1)
Sullivan,Kar	83	???											MULTI	70	???	+	+	+					+	+		B5,B15,B70,B71>	(5)
Tagliere,Jac	???	???	+	+	+	+	+		+		+		B56,B71,B50	???	???	+	+	+	+	+	+	+				CW6,CX18,CX15	(3)
Turner,E.V.	???	???	+	+	+	+	+	+	+		+		B77,B56	???	???	+	+	+	+	+	+	+				B71,B56,B63	(3)

********** SERUM NO.1023 ********** ********** SERUM NO.1024 **********

*** 52 TYPING LABS ***			*** 52 TYPING LABS ***		
B35	87%	0.894	B35	94%	0.917
B51	71%	0.913	B53	77%	0.925
B53	69%	0.939	B51	69%	0.952
B78	54%	1.000	B78	48%	0.964
B62	46%	0.942	B18	44%	1.000
B18	37%	0.861	B50	37%	1.000
B75	35%	1.000	B75	33%	1.000
B52	35%	0.939	B62	29%	0.653
B63	33%	0.967	B52	27%	0.923
B49	27%	0.864	B49	25%	1.000
B50	21%	1.000	B71	21%	1.000
B56	21%	1.000	CX18	19%	1.000
B71	15%	1.000	CX15	17%	1.000
B72	15%	0.867	CW6	17%	1.000
B77	13%	1.000	B45	13%	0.889
A25	12%	1.000	B8	12%	1.000
A32	12%	0.889	B72	12%	0.909
A29	10%	1.000	A24	8%	1.000
A34	10%	1.000	B15	8%	1.000
B57	10%	0.882	B56	8%	0.800
A24	10%	0.700	A23	6%	1.000
A33	8%	1.000	B5	6%	1.000
A43	8%	1.000	B7	6%	1.000
B15	8%	1.000	B37	6%	1.000
B46	8%	1.000	B60	6%	1.000
A23	8%	0.800	B63	6%	1.000
A11	6%	1.000	B67	6%	1.000
A69	6%	1.000	CX17	6%	1.000
B5	6%	1.000	B13	4%	1.000
B76	6%	1.000	B46	4%	1.000
CW10	6%	1.000	B54	4%	1.000
6601	4%	1.000	B61	4%	1.000
A1	4%	1.000	CW5	4%	1.000
A2	4%	1.000	B57	4%	0.600
A26	4%	1.000			
A66	4%	1.000			
A68	4%	1.000			
B54	4%	1.000			
B58	4%	1.000			
MULTI	4%	1.000			

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

*** 52 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: All

********** SERUM NO. 1023 ********** ********** SERUM NO. 1024 **********

	% POS	% 8'S	B 3 5	B 5 3	B 5 1	B 5		% POS	% 8'S	B 3 5	B 5 3		METHOD
Claas,F.H.J.	48	43	+	+		+	B62,B75,B78,B63	3	0	+		B51	(1)
Dunckley,Hea	22	89	+		+		B52	10	29	+			(1)
Esteves Kond	16	60	+	+				20	80	+	+		(1)
Hogan,Patric	27	82	+	+	+			11	43	+			(1)
Permpikul &	20	100	+		+			9	100	+			(1)
Suciu-Foca,N	28	40	+	+		+		16	18	+	+	B5,B18	(1)

********** SERUM NO.1023 ********** ********** SERUM NO.1024 **********

*** 6 TYPING LABS ***

B35	100%	0.886
B53	67%	1.000
B51	50%	0.867
B5	33%	1.000
B62	17%	1.000
B75	17%	1.000
B78	17%	1.000
B63	17%	0.800
B52	17%	0.600

*** 6 TYPING LABS ***

B35	100%	0.773
B53	33%	0.667
B5	17%	1.000
B18	17%	1.000
B51	17%	1.000

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

********** SERUM NO. 1023 ********** ********** SERUM NO. 1024 **********

	% POS	% 8'S	B 5 1	B 3 5	B 5 3	B 4 9		% POS	% 8'S	B 3 5	B 5 3		METHOD
Dunn,Paul Dr	42	100	+	+				10	100	+			(2)
Lardy,N.M. D	44	100	+	+	+	+	B52,B75,B62	14	100	+	+	B51	(2)
Pidwell/Aska	26	100	+	+	+	+		14	100	+	+		(2)

********** SERUM NO.1023 ********** ********** SERUM NO.1024 **********

*** 3 TYPING LABS ***

B35	100%	1.000
B51	100%	1.000
B53	67%	1.000
B49	67%	0.750
B52	33%	1.000
B75	33%	1.000
B62	33%	0.667

*** 3 TYPING LABS ***

B35	100%	0.889
B53	67%	1.000
B51	33%	0.667

*** 3 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: NIH-ext

	SERUM NO. 1023												SERUM NO. 1024											
	% POS	% 8'S	B 3 5	B 7 8	B 5 3	B 5 1	B 6 2	B 7 5	B 6 3	B 5 6	B 5 2	B 1 8		% POS	% 8'S	B 3 5	B 5 3	B 5 1	B 7 8	B 1 8	B 7 5	B 5 0	C X 1 8	C W 6	C X 1 5		METHOD
Abbal,Michel	???	???	+	+	+	+	+	+	+	+		+	B77	???	???	+	+	+	+	+	+		+	+	+	CW5	(L-3)
Al-Attas,Rab	???	???											A2,A69,A23,A24>	???	???			+								A24,A23,B52,B7>	(L-3)
Alvarez & Ca	38	100	+			+	+				+	+	B49,B57,A25>	34	100	+		+		+						B49,B62,B45,B8>	(F-3)
Baker,Judy	98	???	+	+	+	+		+	+			+	CW10	95	???	+	+	+	+	+	+				+	B52	(L-3)
Berka,Noured	94	100		+		+	+	+	+	+			B71,B50,B77>	98	100	+	+	+	+	+	+		+	+	+	CX17	(L-3)
Cecka,J.Mich	98	100	+	+	+	+	+	+	+	+	+		B77	95	59		+	+								BW6,B63,B52>	(L-3)
Charlton,Ron	94	???	+	+	+	+				+	+	+	B15	98	???	+	+	+	+	+	+		+			B56	(L-3)
Choo,Yoon MD	98	100	+	+	+	+					+		A68,A69,B58	93	100	+	+	+	+			+				B71,B52,B49	(F-3)
Cohen,JHM Pr	93	???	+	+	+	+	+		+		+	+	B76,B46	53	???	+	+	+	+	+			+	+	+		(L-3)
Dunn,Paul Dr	???	???	+	+		+		+	+	+	+		B71,B50,B77	???	???	+	+	+	+	+	+	+			+	B71,B56	(L-3)
Eckels/CPMC,	98	???											A11,A23,A24>	90	???	+				+						B13,2708,B37>	(LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+			+		B71,B49,B50	???	???	+	+	+	+		+	+	+	+	+	CX17	(F-3)
Esteves-Kond	95	50	+	+	+	+	+		+		+	+	B49,B46	93	50	+	+	+	+	+						B52,B49,B71>	(F-3)
Gandhi & Gen	56	???	+	+	+	+	+	+	+		+		B77,B71	59	???	+	+	+	+	+	+		+	+	+	CX17	(L-3)
Gideoni,Osna	94	100	+	+		+	+					+	A29,B13,A43>	60	100	+	+	+	+	+		+				A30,A80,A69>	(L-3)
Hahn,Amy B.	71	???	+	+	+	+	+	+					B71,B49,B50>	64	???	+	+	+	+	+	+	+		+		CX17,B49	(L-3)
Hamdi,Nuha D	89	100	+			+		+		+			A33,B73,A80,A1>	56	100	+	+	+			+					B8,A68,B72,B52>	(L-3)
Han,Hoon Dr	44	???	+	+	+	+					+		B49,B50,B71	53	???	+	+	+	+			+				B49,B52,B71	(L-3)
Harville,Ter	???	???	+	+	+	+	+	+	+	+			CW10,B71	???	???	+	+	+	+	+	+		+	+	+	CX17	(L-3)
Hogan,Patric	38	???	+	+	+		+	+	+	+		+	B71,B54	48	???	+	+	+	+	+	+		+			B56,B54,B63	(L-3)
Holdsworth,R	???	???	+	+	+	+	+		+	+	+		B15,B77	???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Klein,Tirza	82	100	+	+	+		+			+		+	B49,B50,B71>	68	100	+	+		+	+		+				B62,B67,B60>	(L-3)
Leech MD,Ste	???	???	+		+							+	B15,B5,B21,B17>	???	???	+	+	+		+						B15,B22,B40>	(LF-3)
MacCann,Eile	94	???	+	+	+	+	+		+			+	B49,B50,B72	98	???	+	+	+	+	+		+				B62,B49,B45>	(L-3)
Mah,Helen	???	???	+	+	+	+	+	+	+	+			B71,B77	???	???	+	+	+	+	+	+					B72,B77,B52>	(L-3)
McAlack,Robe	61	100	+	+	+	+	+	+	+		+		B76,B77	62	100	+	+	+	+		+	+				B52,B49,B62>	(L-3)
McAlack-Bala	89	100	+	+	+		+						B49,B71,B72>	83	100	+	+	+	+	+		+				B49,B71	(L-3)
McCluskey,Ja	???	???	+	+	+		+	+	+	+		+	B54,B72	???	???	+	+		+	+	+		+			B54,B56,B37>	(L-3)
Meyer,Pieter	85	???	+	+	+	+						+	A68,A33,B57,A1>	15	???	+	+	+	+			+				B49,B52,B71>	(L-3)
Ozawa,Mikki	???	???	+	+	+	+		+					B49,B50,B72	???	??/	+	+	+	+		+	+				B71,B49	(L-3)
Pais,Maria L	36	???			+	+					+	+	B49,B15	19	???	+	+	+		+		+		+		B52,B49,B15>	(L-3)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+		B77	???	???	+	+	+	+		+	+	+	+	+	B62	(L-3)
Permpikul &	???	???	+	+	+			+					B71,B49,A11,A1>	???	???	+	+	+	+			+				B71,B72,A36>	(L-3)
Phelan,Donna	57	???											A24,A25,A29,5C>	7	???											5C,B8,B39,B67>	(L-3)
Pidwell/Aska	86	100	+	+	+	+		+		+	+	+	B77,B49	98	100	+	+	+	+	+	+		+	+		CW4,B77	(F-3)
Rees,Tracey	???	???	+										A29,A43,A25>	???	??2	+	+	+	+	+	+	+				A24,A23,B71	(L-3)
Rosen-Bronso	???	100	+	+	+	+	+	+	+				B76,B77,CW10	???	100	+	+	+	+		+	+				B52,B62,B63>	(L-3)
Sage,Deborah	100	???											A23,A24,A25>	100	???											A23,A24,B5,B7>	(L-3)
Sinnott & Gu	???	???											A11,A25,A26,A2>	???	???	+				+						B8,2708,B37>	(L-3)
Smith/MI,	90	???	+	+	+	+	+	+	+		+		CW10,B77	81	???	+	+	+	+	+	+		+	+	+	CX17	(L-3)
Suciu-Foca,N	???	100	+	+	+	+	+	+	+	+			B77,CW10	???	100	+	+	+	+	+	+		+	+	+	B56	(L-3)
Tagliere,Jac	???	???	+	+	+	+	+	+	+	+			B71,B50	???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Turner,E.V.	???	???	+	+	+	+	+	+	+	+		+	B77	???	???	+	+	+	+	+	+	+				B71,B56,B63	(L-3)

(3) – L—Luminex, F-Flow

********** SERUM NO.1023 ********** ********** SERUM NO.1024 **********

*** 43 TYPING LABS ***			*** 43 TYPING LABS ***		
B35	84%	1.000	B35	91%	1.000
B78	77%	1.000	B51	86%	1.000
B53	74%	1.000	B53	86%	1.000
B51	72%	1.000	B78	77%	1.000
B62	58%	1.000	B18	67%	1.000
B63	51%	1.000	B75	56%	1.000
B75	51%	1.000	B50	47%	1.000
B56	40%	1.000	CX18	35%	1.000
B18	37%	1.000	CW6	33%	1.000
B52	37%	1.000	B49	30%	1.000
B77	33%	1.000	CX15	30%	1.000
B49	30%	1.000	B52	28%	1.000
B71	30%	1.000	B71	26%	1.000
B50	26%	1.000	B62	23%	1.000
A25	16%	1.000	B45	16%	1.000
A32	16%	1.000	B8	14%	1.000
A34	16%	1.000	B56	14%	1.000
A29	14%	1.000	B63	14%	1.000
A43	14%	1.000	CX17	14%	1.000
B72	14%	1.000	B37	12%	1.000
A11	12%	1.000	B72	12%	1.000
A24	12%	1.000	B13	9%	0.833
A33	12%	1.000	A23	7%	1.000
A69	12%	1.000	A24	7%	1.000
CW10	12%	1.000	B15	7%	1.000
A23	9%	1.000	B39	7%	1.000
B15	9%	1.000	B41	7%	1.000
A1	7%	1.000	B42	7%	1.000
A26	7%	1.000	B67	7%	1.000
A66	7%	1.000	2708	5%	1.000
A68	7%	1.000	A30	5%	1.000
B46	7%	1.000	B7	5%	1.000
B76	7%	1.000	B46	5%	1.000
6601	5%	1.000	B54	5%	1.000
A2	5%	1.000	B60	5%	1.000
B54	5%	1.000	B77	5%	1.000
B57	5%	1.000	CW5	5%	1.000
			A68	5%	0.917
			B27	5%	0.750

*** 43 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: Luminex/Flow

********** SERUM NO. 1023 ********** ********** SERUM NO. 1024 **********

	% POS	% 8'S	B 3 5 3	B 5 1	B 5 1 8	B 5 2	B 5 0	B 7 8	B 7 5	B 7 2	B 6 3		% POS	% 8'S	B 3 5 3	B 5 2	B 5 1	B 6 2	B 5 7	B 5 0	B 4 9	B 1 8		METHOD
Berka,Noured	66	100	+	+	+	+		+	+		+	B71,B57,B46	21	100	+	+							B45	(4)
Cecka,J.Mich	59	0	+		+	+	+	+				A23,A24,A32>	43	78	+	+	+	+		+	+	+	B37,B71,B75	(4)
Dunn,Dale Dr	30	100	+	+	+		+		+			B42	8	33	+	+								(4)
Eckels/CPMC,	88	???										MULTI	57	???									MULTI	(4)
Hahn,Amy B.	6	0	+	+						+			63	100	+	+	+	+	+	+	+	+	B77,B58	(4)
Mah,Helen	48	100	+		+	+		+		+	+	B62,B57	18	0	+									(4)
Smith/MI,	97	???	+	+	+	+	+		+	+		B46,B62,B54	95	???	+	+	+	+	+			+	B8,B46,B54,B72	(4)
Suciu-Foca,N	35	43	+	+								B5,B21,B17,B70	12	20	+	+						+	B5	(4)

********** SERUM NO.1023 ********** ********** SERUM NO.1024 **********

*** 8 TYPING LABS ***

B35	88%	0.775
B53	63%	0.868
B51	63%	0.833
B18	50%	0.765
B50	38%	1.000
B52	38%	1.000
B46	25%	1.000
B63	25%	1.000
B75	25%	1.000
B78	25%	1.000
B62	25%	0.875
B57	25%	0.833
B72	25%	0.667
B5	13%	1.000
B54	13%	1.000
B70	13%	1.000
B71	13%	1.000
MULTI	13%	1.000
B17	13%	0.917
B21	13%	0.890
A32	13%	0.750
B49	13%	0.667
A24	13%	0.625
A23	13%	0.500
B38	13%	0.500
B42	13%	0.333

*** 8 TYPING LABS ***

B35	88%	0.975
B53	75%	0.833
B51	38%	0.889
B52	38%	0.750
B18	25%	1.000
B49	25%	1.000
B50	25%	1.000
B62	25%	1.000
B57	25%	0.600
B8	13%	1.000
B37	13%	1.000
B45	13%	1.000
B46	13%	1.000
B54	13%	1.000
B58	13%	1.000
B71	13%	1.000
B72	13%	1.000
B75	13%	1.000
B77	13%	1.000
MULTI	13%	1.000
B5	13%	0.917

*** 8 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: Antiglobulin

********** SERUM NO. 1023 ********** ********** SERUM NO. 1024 **********

	% POS	% 8'S	B 7 1	B 6 2	B 5 3	B 5 2	B 5 1	B 3 5	B 7 8	B 7 2		% POS	% 8'S	B 7 2	B 7 1	B 5 3	B 5 1	B 3 5	B 7 8	B 6 2	B 5 2	B 7 5	B 1 8		METHOD
Esteves-Kond	89	33	+	+	+	+	+	+	+		B49,B63,B77	71	33	+	+	+	+	+	+				+	B49,B37,B8	(5)
Hahn,Amy B.	32	100	+	+	+	+	+	+	+	+	B75,B56	18	0	+	+	+	+	+	+	+	+	+	+		(5)
McAlack,Robe	43	100	+	+	+	+	+	+		+	B57,B58,B50	30	0	+	+	+	+	+	+	+	+	+		B60	(5)
Sullivan,Kar	83	???									MULTI	70	???	+	+	+	+	+		+	+			B5,B15,B70	(5)

********** SERUM NO.1023 ********** ********** SERUM NO.1024 **********

*** 4 TYPING LABS ***

B35	75%	1.000
B51	75%	1.000
B52	75%	1.000
B53	75%	1.000
B62	75%	1.000
B71	75%	1.000
B72	50%	1.000
B78	50%	1.000
B49	25%	1.000
B50	25%	1.000
B56	25%	1.000
B57	25%	1.000
B58	25%	1.000
B63	25%	1.000
B75	25%	1.000
B77	25%	1.000
MULTI	25%	1.000

*** 4 TYPING LABS ***

B35	100%	1.000
B51	100%	1.000
B53	100%	1.000
B71	100%	1.000
B72	100%	1.000
B52	75%	1.000
B62	75%	1.000
B78	75%	1.000
B18	50%	1.000
B75	50%	1.000
B5	25%	1.000
B8	25%	1.000
B15	25%	1.000
B37	25%	1.000
B49	25%	1.000
B60	25%	1.000
B70	25%	1.000

*** 4 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 4 2010 **********

Method: Elisa

CTR	INVESTIGATOR NAME	DNA EXTRACT #485 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*260101	*680102/11N	*070201/61	*2714	*010201/17	*070201/39/50	RSSO,SBT,SSP
745	Anthony Nola	*26:01:01	*68:01:02	*07:02:01	*27:14	*01:02:01	*07:02:01	SSO,SSP,SBT
5133	Baker,Judy	*26	*68	*07	*2714	*01	*07	SSOP
2020	Barnardo,Mar	*260101	*680102	*0702/61	*2714	*0102/17/25	*0702/37/39/50+	
4345	Blasczyk,Rai	*26:01:01G	*68:01:02G	*07:02:01G	*27:14	*01:02:01G	*07:02:01G	PCR-SBT
5106	Brown,Colin	*26	*68	*07	*27:14	*01	*07	P-RVSSOP,SBT
785	Chan,Soh Ha	*2601/13/24/26	*6801/03/11N/33	*0702/44/49N/58+	*2714/32	*0102/17/22/25	*0702/37/39/50+	SBT
3224	Chen,Dongfen	*2601	*6801	*0702/61	*2714	*0102	*0702/50	SBT,RSSO,SSP
8021	Clark,Brenda	*260101/0103-02+	*6801/02/06+	*0702/04/10+	*2714	*0102/03/06-11+	*0702/03/10+	PCR-SSP
5219	Daniel,Dolly	*26	*68	*07	*27			PCR-SSOP
5323	Dhaliwal,J.	*26	*68	*07	*27	*01	*07	PCR-SSP
5891	Du,Keming	*2601	*6801	*0702/61	*2714	*0102	*0702/50	
3186	Dunckley,Hea	*26	*68	*07	*27	*01	*07	SSP
3766	Dunn,Paul	*26	*68	*07	*2714	*01	*07	PCR-SSOP,SSP
3428	Eckels/Utah	*2601/24/26/27+	*6801/11N/33/47	*07	*2714	*0102/25	*07	SSOP
4251	Ellis,Thomas	*2601	*6801/11N	*0702/61	*2714	*0102	*0702/50	PCR-SSO,SEQ
762	Fischer&Mayr	*26:01/24/26	*68:01/33	*07:02/44/29N+	*27:14	*01:02/25	*07:02/50/66/74	RSSO,SSP,SBT
3135	Fischer,John	*26:01	*68:01/11N	*07:02	*27:14	*01:02	*07:02	PCR-SSO,SBT
234	Gomez,Carmen	*26	*68	*07	*27	*01	*07	SSP,SSOP
5195	Gomez,Carmen	*26	*68	*07	*27	*01	*07	SSOP
4691	Hajeer,Ali	*26	*68	*07	*27	*01	*07	SSO
810	Hamdi,Nuha	*260101	*680102	*070201	*2714	*010201	*07020102	SSO
1461	Hidajat,Mela	*2601	*6801	*0702	*2714	*0102	*0702	SSO,SSP
615	Holdsworth,R	*26	*68	*07	*27			SSP
2344	Hurley&Hartz	*260101/0107/24+	*680102/11N/33	*070201/0206+	*2714	*010201/0202/25	*07020101-020103+	SBT
748	Jaramillo,An	*26	*68	*07	*27	*01	*07	SSOP
797	Kato,Shunich	*26:01	*68:01/11N	*07:02/61	*27:14	*01:02	*07:02/50	SSO,SBT
2847	Kihara,Masaa	*26	*68	*07	*27	*01	*07	RVSSO
5096	Koh,Eun-mi	*26	*68	*07	*27			PCR-SSO
87	Land,Geoff	*2601	*6801	*0702	*2714	*0102	*0702	SSO,SSP,SBT
278	Lee,Jar-How	*2601/24/26/31	*6801/33	*0702/61	*2714	*0102/25	*0702/61N/62/66+	SSP,RVSSOP
640	Lee,Kyung Wh	*26:01	*68:01/11N	*07:02/61	*27:14	*01:02/17/22	*07:02/37/39/50	PCR-SBT
4651	Leech,Stephe	*26	*68	*07	*27	*01	*07	RVSSOP
1108	Linke,Robert	*26	*68	*07	*27	*01	*07	SSO
9916	McIntyre,Joh	*260101	*680102	*070201	*2714	*0102/25-33	*0702/75/80/84+	SSP,SBT
8042	Muncher,Lior	*2601	*6801	*0702	*2714	*0102	*0702	SSOP,SSP
8022	Olerup,Olle	*26:01	*68:01	*07:02	*27:14	*01:02	*07:02	SSP
8065	Padua,Florec	*26	*68	*07	*27			SSP
3648	Pereira,Noem	*26:01	*68:01G	*07:02G//*07:84	*27:14//*27:32	*01:02//*01:17	*07:02G//*07:39	RSSO,SSP,SBT
3966	Permpikul&Ve	*26	*68	*07	*27	*0102	*0702	PCR-SSP
2400	Phelan,Donna	*2601	*6801/11N	*0702/61	*2714	*0102	*0702/50	RSSO,SBT,SSP
3753	Reed,Elaine	*2601/13	*6801/03/11N	*0702/61/84	*2714/32	*0102/17/22	*0702/37/39/50	SBT
3625	Rees,Tracey	*26	*68	*07	*27:14	*01	*07	PCR-SSP
3798	Reinsmoen,N	*260101	*680102/11N	*070201/61	*2714	*010201	*070201/50	SSP,RSSO,SBT
1694	Sauer&Gottwa	*26	*68	*07	*27	*01	*07	SSP
3545	Scornik,Juan	*2601	*6801/11N	*0702/61	*2714	*0102	*0702/50	SSOP,SBT
735	Smith/MI	*26	*68	*07	*27	*01	*07	RVSSOP
746	Stamm,Luz	*26:01	*68:01	*07:02	*27:14	*01:02	*07:02	SSO,SSP,SBT
13	Tagliere,Jac	*26:01	*68:01	*07:02	*27:14	*01:02	*07:02	SSP
4021	Trachtenberg	*26	*68	*07	*27	*01	*07	RVSSO
5462	Turner,E.V.	*26:01	*68:01	*07:02/61	*27:14	*01:02	*07:02	SEQ,SSO,SSP
789	Walter Reed	*26	*68	*07	*27	*01	*07	PCR-SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #486 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*022001	*110101	*27	*44	*0202	*0501	RSSO,SBT,SSP
745	Anthony Nola	*02:20:01	*11:01:01	*27:05	*44:02:01:01	*02:02	*05:01	SSO,SSP,SBT
5133	Baker,Judy	*02	*11	*27	*44	*02	*05	SSOP
2020	Barnardo,Mar	*022001	*110101	*2705/13	*440201	*0202	*0501/03	
4345	Blasczyk,Rai	*02:20:01	*11:01:01G	*27:05:02G	*44:02:01G	*02:02:02	*05:01:01G	PCR-SBT
5106	Brown,Colin	*02:20:01	*11:01:01	*27	*44	*02:02	*05:01	P-RVSSOP,SBT
785	Chan,Soh Ha	*0220/62	*1101/19/21N/37	*2705/13/37/38+	*4402/19N/21/27+	*0202/29	*0501/03	SBT
3224	Chen,Dongfen	*0220	*1101	*2705	*4402	*0202	*0501	SBT,RSSO,SSP
8021	Clark,Brenda	*020101-0104+	*1101/02/05-07+	*2701/02/05+	*4402/11/19N+	*0202-16+	*0501/03-07+	PCR-SSP
5219	Daniel,Dolly	*02	*11	*27	*44			PCR-SSOP
5323	Dhaliwal,J.	*02	*11	*27	*44	*02	*05	PCR-SSP
5891	Du,Keming	*0220	*1101	*2705	*4402	*0202	*0501	
3186	Dunckley,Hea	*02	*11	*27	*44	*02	*05	SSP
3766	Dunn,Paul	*02	*11	*27	*44	*02	*05	PCR-SSOP,SSP
3428	Eckels/Utah	*0220	*1101/12N/30/32+	*2705/13/38/50	*4402/02S/21/27+	*0202/22	*0501/03/04/21+	SSOP
4251	Ellis,Thomas	*0220	*1101	*2705/13	*4402/19N/27	*0202	*0501	PCR-SSO,SEQ
762	Fischer&Mayr	*02:20	*11:01/21N	*27:05/13	*44:02/02S/19N/27+	*02:02	*05:01/03	RSSO,SSP,SBT
3135	Fischer,John	*02:20	*11:01	*27:05	*44:02/27	*02:02	*05:01	PCR-SSO,SBT
234	Gomez,Carmen	*02	*11	*27	*44	*02	*05	SSP,SSOP
5195	Gomez,Carmen	*02	*11	*27	*44	*02	*05	SSOP
4691	Hajeer,Ali	*02	*11	*27	*44	*02	*05	SSO
810	Hamdi,Nuha	*02010101	*110101	*2703	*44020101	*020201	*05010101	SSO
1461	Hidajat,Mela	*0220	*1101	*2705	*4402	*0202	*0501	SSO,SSP
615	Holdsworth,R	*02	*11	*27	*44			SSP
2344	Hurley&Hartz	*022001	*110101/21N	*270502/0504/13	*44020101/020102S+	*020202/0229	*05010101/010102+	SBT
748	Jaramillo,An	*02	*11	*27	*44	*02	*05	SSOP
797	Kato,Shunich	*02:20	*11:01	*27:05/13	*44:02/02S/27	*02:02	*05:01	SSO,SBT
2847	Kihara,Masaa	*02	*11	*27	*44	*02	*05	RVSSO
5096	Koh,Eun-mi	*02	*11	*27	*44			PCR-SSO
87	Land,Geoff	*0220	*1101	*2705	*4402	*0202	*0501	SSO,SSP,SBT
278	Lee,Jar-How	*0220	*1101	*2705	*4402	*0202	*0501/24	SSP,RVSSOP
640	Lee,Kyung Wh	*02:20/62	*11:01/19	*27:05/13/38	*44:02/19N/21/27	*02:02/26/32	*05:01/08/26	PCR-SBT
4651	Leech,Stephe	*02	*11	*27	*44	*02	*05	RVSSOP
1108	Linke,Robert	*02	*11	*27	*44	*02	*05	SSO
9916	McIntyre,Joh	*022001	*110101	*270502	*44020101	*0202/24/25Q/28+	*0501/26/28/30+	SSP,SBT
8042	Muncher,Lior	*0220	*1101	*2703	*4402	*0202	*0501	SSOP,SSP
8022	Olerup,Olle	*02:20	*11:01	*27:05	*44:02	*02:02	*05:01	SSP
8065	Padua,Florec	*02	*11	*27	*44			SSP
3648	Pereira,Noem	*02:20	*11:01	*27:05G//*27:38	*44:02G//*44:21	*02:02//26//32	*05:01//26//08	RSSO,SSP,SBT
3966	Permpikul&Ve	*02	*11	*27	*44	*0202	*0501	PCR-SSP
2400	Phelan,Donna	*0220	*1101	*2705/13	*4402	*0202	*0501	RSSO,SBT,SSP
3753	Reed,Elaine	*0220/62	*1101/19	*2705/13/29/37+	*4402/19N/21/27+	*0202	*0501	SBT
3625	Rees,Tracey	*02	*11	*27	*44	*02	*05	PCR-SSP
3798	Reinsmoen,N	*022001	*110101	*2705/13	*4402/02S/19N/27	*020202	*050101	SSP,RSSO,SBT
1694	Sauer&Gottwa	*02	*11	*27	*44	*02	*05	SSP
3545	Scornik,Juan	*0220	*1101	*2705/13	*4402/19N/27	*0202	*0501	SSOP,SBT
735	Smith/MI	*02	*11	*27	*44	*02	*05	RVSSOP
746	Stamm,Luz	*02:20	*11:01	*27:05	*44:02	*02:02	*05:01	SSO,SSP,SBT
13	Tagliere,Jac	*02:20	*11:01	*27:05	*44:02	*02:02	*05:01	SSP
4021	Trachtenberg	*02	*11	*27	*44	*02	*05	RVSSO
5462	Turner,E.V.	*02:20:01	*11:01:01	*27:05	*44:02/19N/27	*02:02	*05:01	SEQ,SSO,SSP
789	Walter Reed	*02	*11	*27	*44	*02	*05	PCR-SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #487 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*020501	*2411N	*350301	*5001	*040101/09N/30	*060201	RSSO,SBT,SSP
745	Anthony Nola	*02:05	*24:11N	*35:03	*50:01	*0401/41	*06:02	SSO,SSP,SBT
5133	Baker,Judy	*02	*24	*35	*50	*04	*06	SSOP
2020	Barnardo,Mar	*020501	*2411N	*350301	*5001	*0401/28/30/41	*0602	
4345	Blasczyk,Rai	*02:05:01G	*24:02:01G	*35:03:01G	*50:01	*04:01:01G	*06:02:01G	PCR-SBT
5106	Brown,Colin	*02:05:01	*24:11N	*35	*50:01	*04	*06	P-RVSSOP,SBT
785	Chan,Soh Ha	*0205/*9279	*24	*3503/70	*5001	*0401/09N/28/30+	*0602	SBT
3224	Chen,Dongfen	*0205	*2411N	*3503	*5001	*0401/09N/30	*0602/27	SBT,RSSO,SSP
8021	Clark,Brenda	*020122/02/03+	*2402/03/07+	*3501-0401/06+	*5001/04	*040101-0104+	*0602/03/07+	PCR-SSP
5219	Daniel,Dolly	*02	*24	*35	*50			PCR-SSOP
5323	Dhaliwal,J.	*02	*24	*35	*50	*04	*06	PCR-SSP
5891	Du,Keming	*0205	*2486v	*3503	*5001	*0401	*0602	
3186	Dunckley,Hea	*02	*24	*35	*50	*04	*06	SSP
3766	Dunn,Paul	*02	*24	*35	*5001	*04	*06	PCR-SSOP,SSP
3428	Eckels/Utah	*0205/*9279	*24	*3503/55/70	*5001	*04	*0602/20/22	SSOP
4251	Ellis,Thomas	*0205	*2402	*3503	*5001	*0401/30	*0602	PCR-SSO,SEQ
762	Fischer&Mayr	*02:05/179	*24:02/09N/11N+	*35:03/70	*50:01	*04:01/09N/28+	*06:02	RSSO,SSP,SBT
3135	Fischer,John	*02:05	*24:11N	*35:03	*50:01	*04:01/09N/30	*06:02	PCR-SSO,SBT
234	Gomez,Carmen	*02	*24	*35	*50	*04	*06	SSP,SSOP
5195	Gomez,Carmen	*02	*24	*35	*5001	*04	*06	SSOP
4691	Hajeer,Ali	*02	*24	*35	*50	*04	*06	SSO
810	Hamdi,Nuha	*0205	*24020101	*350301	*500101	*04010101	*06020101	SSO
1461	Hidajat,Mela	*0205	*2411N	*3503	*5001	*0401	*0602	SSO,SSP
615	Holdsworth,R	*02	*24	*35	*50			SSP
2344	Hurley&Hartz	*020501/*9279	*24020101+	*350301/70	*5001	*04010101+	*06020101/020102+	SBT
748	Jaramillo,An	*02	*24	*35	*50	*04	*06	SSOP
797	Kato,Shunich	*02:05	*24:02/09N/11N+	*35:03	*50:01	*04:01/09N/30	*06:02	SSO,SBT
2847	Kihara,Masaa	*02	*24	*35	*50	*04	*06	RVSSO
5096	Koh,Eun-mi	*02	*24	*35	*50			PCR-SSO
87	Land,Geoff	*0205	*2411N/25/40N	*3503	*5001	*0401	*0602	SSO,SSP,SBT
278	Lee,Jar-How	*0205	*2411N	*3503	*5001	*0401	*0602	SSP,RVSSOP
640	Lee,Kyung Wh	*02:05	*24:11N	*35:03	*50:01	*04:01/09N/30/54	*06:02/09	PCR-SBT
4651	Leech,Stephe	*02	*24	*35	*50	*04	*06	RVSSOP
1108	Linke,Robert	*02	*24	*35	*50	*04	*06	SSO
9916	McIntyre,Joh	*020501	*2411N	*350301	*500101	*0401/38-41/43+	*0602/18-29	SSP,SBT
8042	Muncher,Lior	*0205	*2411N	*3503	*5001	*0401	*0602	SSOP,SSP
8022	Olerup,Olle	*02:05	*24:11N	*35:03	*50:01	*04:01	*06:02	SSP
8065	Padua,Florec	*02	*24	*35	*50			SSP
3648	Pereira,Noem	*02:05G	*24:02G	*35:03	*50:01	*04:01G//*04:54	*06:02//*06:09	RSSO,SSP,SBT
3966	Permpikul&Ve	*02	*24	*35	*50	*0401	*0602	PCR-SSP
2400	Phelan,Donna	*0205	*2402	*3503	*5001	*0401	*0602	RSSO,SBT,SSP
3753	Reed,Elaine	*0205	*2402	*3503	*5001	*0401/09N/30	*0602	SBT
3625	Rees,Tracey	*02	*24	*35	*50	*04	*06	PCR-SSP
3798	Reinsmoen,N	*020501	*240201/01L	*350301	*5001	*0401/09N/30	*060201	SSP,RSSO,SBT
1694	Sauer&Gottwa	*02	*24	*35	*50	*04	*06	SSP
3545	Scornik,Juan	*02	*24	*3503	*5001	*0401/09N/30	*0602	SSOP,SBT
735	Smith/MI	*02	*24	*35	*50	*04	*06	RVSSOP
746	Stamm,Luz	*02:05	*24:11N	*35:03	*50:01	*04:01	*06:02	SSO,SSP,SBT
13	Tagliere,Jac	*02:05	*24:02/11N	*35:03	*50:01	*04:01	*06:02	SSP
4021	Trachtenberg	*02	*24	*35	*50	*04	*06	RVSSO
5462	Turner,E.V.	*02:05:01	*24:11N/25/40N	*35:03:01	*50:01:01	*04:01	*06:02	SEQ,SSO,SSP
789	Walter Reed	*02	*24	*35	*50	*04	*06	PCR-SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #488 (Japanese) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*0218	*110101	*150101	*460101	*01	*04	RSSO,SBT,SSP
745	Anthony Nola	*02:18	*11:01:01	*15:01:01:01	*46:01:01	*01:02	*04:01	SSO,SSP,SBT
5133	Baker,Judy	*02	*11	*15(B62)	*46	*01	*04	SSOP
2020	Barnardo,Mar	*0218	*110101	*15010101	*460101	*0102/17/25	*0401/10/28/30/41	
4345	Blasczyk,Rai	*02:18	*11:01:01G	*15:01:01G	*46:01:01G	*01:02:01G	*04:01:01G	PCR-SBT
5106	Brown,Colin	*02:18	*11:01:01	*15:01	*46:01	*01	*04	P-RVSSOP,SBT
785	Chan,Soh Ha	*0218	*1101/21N/37	*1501/*9502/04+	*4601/15N	*0102/14/17/25	*0401/09N/10/28+	SBT
3224	Chen,Dongfen	*0218	*1101	*1501	*4601	*0102	*0401/09N/30	SBT,RSSO,SSP
8021	Clark,Brenda	*020101-0104+	*1101/02/05-07+	*150101-0104+	*4601-05/07N-10+	*0102/03/06-11+	*040101-0104+	PCR-SSP
5219	Daniel,Dolly	*02	*11	*15	*46			PCR-SSOP
5323	Dhaliwal,J.	*02	*11	*15	*46	*01	*04	PCR-SSP
5891	Du,Keming	*0218	*1101	*1501	*4601	*0102	*0401	
3186	Dunckley,Hea	*02	*11	*15	*46	*01	*04	SSP
3766	Dunn,Paul	*02	*11	*15	*46	*01	*04	PCR-SSOP,SSP
3428	Eckels/Utah	*0218	*1101/12N/30/32+	*15	*4601/10/15N	*0102/14/25/28	*04	SSOP
4251	Ellis,Thomas	*0218	*1101	*1501	*4601	*0102	*0401/30	PCR-SSO,SEQ
762	Fischer&Mayr	*02:18	*11:01/21N	*15:01/102/104+	*46:01/15N	*01:02/25	*04:01/09N/28/30+	RSSO,SSP,SBT
3135	Fischer,John	*02:18	*11:01	*15:01	*46:01	*01:02	*04:01/09N/30	PCR-SSO,SBT
234	Gomez,Carmen	*02	*11	*15	*46	*01	*04	SSP,SSOP
5195	Gomez,Carmen	*02	*11	*15	*46	*01	*04	SSOP
4691	Hajeer,Ali	*02	*11	*15	*46	*01	*04	SSO
810	Hamdi,Nuha	*02010101	*110101	*15010101	*460101	*010201	*04010101	SSO
1461	Hidajat,Mela	*0218	*1101	*1501	*4601	*0102/13	*0401	SSO,SSP
615	Holdsworth,R	*02	*11	*1501/01N/*9502+	*4601/15N			SSP,SBT
2344	Hurley&Hartz	*0218	*110101/21N	*15010101+	*460101/15N	*010201/0202/25	*04010101/010102+	SBT
748	Jaramillo,An	*02	*11	*15(B62)	*46	*01	*04	SSOP
797	Kato,Shunich	*02:18	*11:01	*15:01/01N	*46:01	*01:02/14	*04:01/09N/29+	SSO,SBT
2847	Kihara,Masaa	*02	*11	*15	*46	*01	*04	RVSSO
5096	Koh,Eun-mi	*02	*11	*15	*46			PCR-SSO
87	Land,Geoff	*0218	*1101	*1501	*4601	*0102	*0401	SSO,SSP,SBT
278	Lee,Jar-How	*0218	*1101	*1501	*4601	*0102	*0401	SSP,RVSSOP
640	Lee,Kyung Wh	*02:18	*11:01	*15:01	*46:01	*01:02/14/17	*04:01/09N/10/29+	PCR-SBT
4651	Leech,Stephe	*02	*11	*15(B62)	*46	*01	*04	RVSSOP
1108	Linke,Robert	*02	*11	*15	*46	*01	*04	SSO
9916	McIntyre,Joh	*0218	*110101	*15010101	*460101	*0102	*0401	SSP,SBT
8042	Muncher,Lior	*0218	*1101	*1501	*4601	*0102	*0401	SSOP,SSP
8022	Olerup,Olle	*02:18	*11:01	*15:01	*46:01	*01:02	*04:01	SSP
8065	Padua,Florec	*02	*11	*15(B62)	*46			SSP
3648	Pereira,Noem	*02:18	*11:01	*15:01G	*46:01	*01:02//14//17	*04:01G//29//10	RSSO,SSP,SBT
3966	Permpikul&Ve	*02	*11	*1501	*46	*0102	*0401	PCR-SSP
2400	Phelan,Donna	*0218	*1101	*1501	*4601	*0102	*0401	RSSO,SBT,SSP
3753	Reed,Elaine	*0218	*1101	*1501	*4601	*0102/14/17	*0401/09N/10/29+	SBT
3625	Rees,Tracey	*02	*11	*15(B62)	*46	*01	*04	PCR-SSP
3798	Reinsmoen,N	*0218	*110101	*150101/01N	*460101	*010201	*0401/09N/30	SSP,RSSO,SBT
1694	Sauer&Gottwa	*02	*11	*15	*46	*01	*04	SSP
3545	Scornik,Juan	*0218	*1101	*1501	*4601	*0102	*0401/09N/30	SSOP,SBT
735	Smith/MI	*02	*11	*15	*46	*01	*04	RVSSOP
746	Stamm,Luz	*02:18	*11:01	*15:01	*46:01	*01:02	*04:01	SSO,SSP,SBT
13	Tagliere,Jac	*02:18	*11:01	*15:01	*46:01	*01:02	*04:01	SSP
4021	Trachtenberg	*02	*11	*15	*46	*01	*04	RVSSO
5462	Turner,E.V.	*02:18	*11:01:01	*15:01	*46:01:01	*01:02	*04:01	SEQ,SSO,SSP
789	Walter Reed	*02	*11	*15	*46	*01	*04	PCR-SSP

SUMMARY

Extract 485 (Caucasian)

52 labs

A*26	58%
A*2601	15%
A*26:01	15%
A*260101	10%
A*26:01:01	2%
A*26	100% TOTAL
A*68	60%
A*6801/11N	6%
A*68:01/11N	6%
A*680102/11N	4%
A*6801	9%
A*68:01	7%
A*680102	6%
A*68:01:02	2%
A*68	100% TOTAL

52 labs

B*07	58%
B*0702/61	13%
B*07:02/61	6%
B*070201/61	4%
B*0702	6%
B*07:02	7%
B*070201	4%
B*07:02:01	2%
B*07	100% TOTAL
B*27	40%
B*2714	37%
B*27:14	23%
B*27	100% TOTAL

48 labs

Cw*01	54%
Cw*0102/25	6%
C*01:02/25	2%
Cw*0102	19%
C*01:02	13%
Cw*010201	4%
C*01:02:01	2%
Cw*01	100% TOTAL
Cw*07	62%
Cw*0702/50	10%
C*07:02/50	2%
Cw*070201/50	2%
Cw*0702	11%
C*07:02	11%
Cw*07020102	2%
Cw*07	100% TOTAL

Extract 486 (Caucasian)

52 labs

A*02	48%
A*02010101	2%
A*0220	19%
A*02:20	13%
A*022001	10%
A*02:20:01	8%
A*02	100% TOTAL
A*11	56%
A*1101	17%
A*11:01	11%
A*110101	10%
A*11:01:01	6%
A*11	100% TOTAL

52 labs

B*27	58%
B*2705;13	11%
B*27:05/13	4%
B*2703	4%
B*2705	10%
B*27:05	11%
B*270502	2%
B*27	100% TOTAL
B*44	61%
B*4402/19N/27	6%
B*44:02/19N/27	2%
B*4402/27	4%
B*4402	13%
B*44:02	6%
B*440201	2%
B*44020101	4%
B*44:02:01:01	2%
B*44	100% TOTAL

48 labs

Cw*02	48%
Cw*0202	27%
C*02:02	19%
Cw*020201	2%
Cw*020202	2%
C*02:02:02	2%
Cw*02	100% TOTAL
Cw*05	48%
Cw*0501/03	6%
C*05:01/03	2%
Cw*0501	23%
C*05:01	17%
Cw*050101	2%
Cw*05010101	2%
Cw*05	100% TOTAL

Extract 487 (Caucasian)

52 labs

A*02	48%
A*0205/*9279	4%
A*020501/*9279	2%
A*02:05/179	2%
A*0205	19%
A*02:05	13%
A*020501	8%
A*02:05:01	4%
A*02	100% TOTAL
A*24	63%
A*2402	6%
A*240201	2%
A*24020101	2%
A*2411N	13%
A*24:11N	12%
A*2486v	2%
A*24	100% TOTAL

52 labs

B*35	48%
B*3503/70	2%
B*35:03/70	2%
B*350301/70	2%
B*3503	19%
B*35:03	15%
B*350301	10%
B*35:03:01	2%
B*35	100% TOTAL
B*50	38%
B*5001	35%
B*50:01	21%
B*500101	4%
B*50:01:01	2%
B*50	100% TOTAL

48 labs

Cw*04	59%
Cw*0401/09N/30	8%
C*04:01/09N/30	4%
Cw*040101/09N/30	2%
Cw*0401/30	2%
Cw*0401	15%
C*04:01	8%
Cw*04010101	2%
Cw*04	100% TOTAL
Cw*06	50%
Cw*0602	27%
C*06:02	17%
Cw*060201	4%
Cw*06020101	2%
Cw*06	100% TOTAL

Extract 488 (Japanese)

52 labs

A*02	42%
A*02010101	2%
A*0218	33%
A*02:18	23%
A*02	100% TOTAL
A*11	52%
A*1101	19%
A*11:01	13%
A*110101	10%
A*11:01:01	6%
A*11	100% TOTAL

52 labs

B*15	52%
B*1501	21%
B*15:01	15%
B*150101	4%
B*15010101	6%
B*15:01:01:01	2%
B*15	100% TOTAL
B*46	44%
B*4601/15N	4%
B*46:01/15N	2%
B*460101/15N	2%
B*4601	19%
B*46:01	15%
B*460101	10%
B*46:01:01	4%
B*46	100% TOTAL

48 labs

Cw*01	62%
Cw*0102	21%
C*01:02	13%
Cw*010201	4%
Cw*01	100% TOTAL
Cw*04	60%
Cw*0401/09N/30	6%
C*04:01/09N/30	2%
Cw*0401/30	2%
Cw*0401	17%
C*04:01	11%
Cw*04010101	2%
Cw*04	100% TOTAL

	INVESTIGATOR	CELL NO.1397 (Black)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*23:01:01	*30:01:01	*53:01:01	*42:02	*06:02:01	*17:01:01	SSO,SSP,SBT
5106	Brown,Colin	*23	*30	*53:01/10	*42:02	*06	*17	RVSSOP,SBT
774	Cecka,J.Mich	*23	*30	*53	*4201/02	*06	*17	SSP,SSOP
5232	Charlton,Ron	*2301	*3001	*5301	*4202	*0602	*1701	SSP,RVSSO
4492	Charron,D.	NT						
4492	Charron_LR	*23	*30	*53	*42:02	*06	*17	PCR-SSO
798	Claas,F.H.J.	*230101	*300101	*530101	*4202	*0602	*17010101	SBT,SSP
3632	Colombe,Beth	*2301	*3001	*5301	*4202	*0602	*1701	SSP
5130	Costeas,Paul	*23:01	*30:01	*53:01	*42:02	*06:02	*17:01	SSO,SSP
779	Daniel,Claud	*23	*30	*53	*42	*06:02	*17:01	PCR-SSP
3186	Dunckley,Hea	*23	*30	*53	*42	*06	*17	SSP
3766	Dunn,Paul	*23	*30	*53	*4202	*06	*17	SSO,PCR-SSP
856	Dupont,Bo	*2301/03/06+	*3001/18/19/23/24	*5301/05/10	*4202	*0602+	*1701-05	SSO
5214	Eckels/CPMC	*23	*30	*53	*4202	*06	*17	SSOP
4251	Ellis,Thomas	*2301/17	*3001	*5301	*4202	*0602	*1701-03	PCR-SSO,SEQ
762	Fischer&Mayr	*23:01/07N/17+	*30:01/24	*53:01	*42:02	*06:02	*17:01	RSSO,SSP,SBT
792	Gandhi&Genco	*2301	*3001	*5301/10/18	*4202	*0602	*1701	SSO,SSP
810	Hamdi,Nuha	*2301	*300101	*530101	*4202	*06020101	*1701	SSO
4269	Hanau,Daniel	*23	*30	*53	*42	*06	*17	PCR-SSP
741	Harville,Ter	*23:01	*30:01	*53:01	*42:02	*06:02	*17:01	SSO
3808	Hogan,Patric	*23	*30	*53	*42	*06	*17	
771	Israel,Shosh	*2301	*3001	*5301	*4202	*0602	*1701	
9003	Israel_LR	*23	*30	*53	*42	*06	*17	
859	Kamoun,Malek	*2301	*3001	*5301	*4202	*0602	*1701	
4337	Kim,Tai-Gyu	*23:01/07N/17+	*30:01/24	*53:01	*42:02	*06:02	*17:01-03	SBT
168	Klein,Tirza	*23:01	*30:01	*53:01	*42:02/09	*06:02	*17:01	PCR-SSO,SSP
278	Lee,Jar-How	*2301/17-20	*3001	*5301/14/18	*4202	*0602	*1701	SSP,RVSSOP
6649	Lim,Young Ae	*23	*30	*53	*42	*06	*17	
731	Loewenthal,R	*230101/17	*300101	*530101	*4202	*060201	*170101	
759	Lopez-Cepero	*2301/03/05+	*3001/14L/15/18/19+	*5301/10/14/18	*4202	*0602/10/12-14+	*1701-04	RVSSO
23	Mah,Helen	*23	*30	*53	*42:02	*06	*17	SSO
8029	Mani,Rama	*23	*30	*53	*42			SSP
206	McAlack-Bala	*23	*30	*53	*4202	*06	*17	RVSSOP
4336	Park,Myoung	*23	*30	*53	*4202	*06	*17	RVSSO
16	Pidwell/Aska	*230101/17	*300101	*530101	*4202	*060201	*1701-03	RSSOP,SBT,SSP
3625	Rees,Tracey	*23	*30	*53	*42	*06	*17	PCR-SSP
5200	Reinke,Denni	*23	*30	*53	*42	*06	*17	SSP
1160	Rosen-Bronso	*23	*30	*53	*42	*06	*17	SSP,RVSSO
793	Rubocki,Ron	*23	*30	*53	*42	*06	*17/*06	SSP
4948	Sage,Deborah	*23:01/17/21	*30:01/11	*53:01	*42:02	*06:02	*17:01-03	SSOP,SBT
3519	Semana,Gilbe	*2301/17	*3001	*5301	*4202	*0602	*1701	SBT
8001	Sheikh,Maqso	*23	*30	*53	*42	*06	*17	RVSSOP,SSP
769	Tavoularis,S	*2301/17	*3001	*5301	*4202	*0602	*1701	SSO,SBT,SSP
747	Tiercy,Jean-	*23:01:01	*30:01	*53:01:01	*42:02	*06:02	*17:01	RSSO,SSP,SBT
5451	Tilanus,Marc	*230101	*300101	*530101	*4202	*0602	*170101	SBT
5462	Turner,E.V.	*23:01:01/17	*30:01:01	*53:01:01	*42:02	*06:02	*17:01	SEQ,SSP,SSO

CTR	INVESTIGATOR NAME	CELL NO.1398 (Hispanic) A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*02:01:01	*02:06:01	*39:08	*15:01:01:01	*01:02:01	*07:02:01	SSO,SSP,SBT
5106	Brown,Colin	*02:01:01	*02:06:01	*39:08	*15:01:01	*01:02:01	*07:02:01	RVSSOP,SBT
774	Cecka,J.Mich	*02/*92	*0206/*92	*3902/08/13/23	*15	*01	*07	SSP,SSOP
5232	Charlton,Ron	*0201	*0206	*3908	*1501	*0102	*0702	SSP,RVSSO
4492	Charron,D.	NT						
4492	Charron_LR	*02	*02	*3908	*15/*4616	*01	*07	PCR-SSO
798	Claas,F.H.J.	*0201	*020601	*3908	*15010101	*010201	*0702	SBT,SSP
3632	Colombe,Beth	*0201	*0206	*3908	*1501	*0102	*0702	SSP
5130	Costeas,Paul	*02:01	*02:06/85	*39:08	*15:01	*01:02	*07:02	SSO,SSP
779	Daniel,Claud	*02		*39	*(B62)	*01	*07	PCR-SSP
3186	Dunckley,Hea	*02		*39	*1501/04/05/07/26N+	*01	*07	SSP
3766	Dunn,Paul	*02	*02	*3908	*15	*01	*07	SSO,PCR-SSP
856	Dupont,Bo	*0207	*9222	*3902+	*1501+	*0102+	*0702/10/17/19+	SSO
5214	Eckels/CPMC	*02	*02	*3908	*15(B62)	*01	*07	SSOP
4251	Ellis,Thomas	*0201	*0206	*3908	*1501	*0102	*0702/50	PCR-SSO,SEQ
762	Fischer&Mayr	*02:01/01L/09+	*02:06/126	*39:08	*15:01/102/104/140+	*01:02/25	*07:02/50/66/74	RSSO,SSP,SBT
792	Gandhi&Genco	*0201	*0206	*3908	*1501	*0102	*0702	SSO,SSP
810	Hamdi,Nuha	*02010101	*020601	*3908	*15010101	*010201	*07020101	SSO
4269	Hanau,Daniel	*02:01:01	*02:06:01	*39:08	*15:01:01:01	*01:02:01	*07:02:01	PCR-SSP,SBT
741	Harville,Ter	*02:01	*02:06	*39:08	*15:01	*01:02	*07:02	SSO
3808	Hogan,Patric	*02		*3902/08/13/23+	*15	*01	*07	
771	Israel,Shosh	*0201	*0206	*3908	*1501	*0102	*0702	
9003	Israel_LR	*02		*39	*15	*01	*07	
859	Kamoun,Malek	*0201	*0206	*3908	*1501	*0102/11/17	*0702	
4337	Kim,Tai-Gyu	*02:01/09/43N+	*02:06/126	*39:08	*15:01/102/104/140+	*01:02/25	*07:02/50/66/74	SBT
168	Klein,Tirza	*02:01	*02:06	*39:08	*15:01	*01:02	*07:02	PCR-SSO,SSP
278	Lee,Jar-How	*0201	*0206	*3908	*1501	*0102	*0702	SSP,RVSSOP
6649	Lim,Young Ae	*02		*39	*15(B62)	*01	*07	
731	Loewenthal,R	*020101	*020601	*3908	*150101	*010201	*070201/50	
759	Lopez-Cepero	*0201/04/07+	*0206/10/21/28/41+	*3908	*1501/27/28/33/34+	*0102/07/11/15+	*0702/38/39/46+	RVSSO
23	Mah,Helen	*02	*02	*39:08	*15	*01	*07	SSO
8029	Mani,Rama	*02		*39	*15			SSP
206	McAlack-Bala	*02	*02	*3908	*15(B62)	*01	*07	RVSSOP
4336	Park,Myoung	*02		*39	*15	*01	*07	RVSSO
16	Pidwell/Aska	*020101	*020601	*3908	*150101	*010201	*070201/50	RSSOP,SBT,SSP
3625	Rees,Tracey	*02		*39	*15(B62)	*01	*07	PCR-SSP
5200	Reinke,Denni	*02		*39	*15(B62)	*01	*07	SSP
1160	Rosen-Bronso	*02		*39	*15	*01	*07	SSP,RVSSO
793	Rubocki,Ron	*02		*39	*15(B62)	*01	*07	SSP
4948	Sage,Deborah	*02:01	*02:06	*39:08	*15:01/102/104/140+	*01:02/17/22/25	*07:02/37/39/50+	SSOP,SBT
3519	Semana,Gilbe	*0201	*0206	*3908	*1501	*0102/17	*0702/39	SBT
8001	Sheikh,Maqso	*02		*39	*1501	*01	*07	RVSSOP,SSP
769	Tavoularis,S	*0201/01L	*0206	*3908	*1501	*0102	*0702	SSO,SBT,SSP
747	Tiercy,Jean-	*02:01	*02:06:01	*39:08	*15:01:01:01	*01:02:01	*07:02	RSSO,SSP,SBT
5451	Tilanus,Marc	*020101	*020601	*3908	*15010101	*010201	*070201	SBT
5462	Turner,E.V.	*02:01	*02:06:01	*39:08	*15:01:01:01/01:02N	*01:02:01	*07:02/50	SEQ,SSP,SSO

CTR	INVESTIGATOR NAME	CELL NO.1399 (Chinese) A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*11:02:01	*24:02:01:01	*13:01:01	*15:27:01	*03:04:01	*04:01:01	SSO,SSP,SBT
5106	Brown,Colin	*11:53	*24:02:01	*13:01:01	*15:27:01	*03:04:01	*04:01:01	RVSSOP,SBT
774	Cecka,J.Mich	*11	*24	*1301/22	*1527	*03	*04	SSP,SSOP
5232	Charlton,Ron	*1102	*2402	*1301	*1527	*0304	*0401	SSP,RVSSO
4492	Charron,D.	*11:02/16/53	*24:02	*13:01/25/26+	*15:27	*03:04/78	*04:01/38-53	PCR-SSP
4492	Charron_LR	*11	*24	*13	*15	*03	*04	PCR-SSO
798	Claas,F.H.J.	*1153	*24020101	*130101	*152701	*03040101	*0401	SBT,SSP
3632	Colombe,Beth	*1101	*2402	*1301	*1527	*0304	*0401	SSP
5130	Costeas,Paul	*11:02	*24:02	*13:01	*15:27	*03:04/24	*04:01/21	SSO,SSP
779	Daniel,Claud	*11	*24	*13	*15(B62)	*03(Cw10)	*04	PCR-SSP
3186	Dunckley,Hea	*11	*24	*13	*1501/04/05/07/26N+	*0304-06/08-10+	*04	SSP
3766	Dunn,Paul	*11	*24	*13	*1527/*9509	*03	*04	SSO,PCR-SSP
856	Dupont,Bo	*1101+	*2402+	*1322	*1527/*9509	*0304+	*0401+	SSO
5214	Eckels/CPMC	*11	*24	*13	*15(B62)	*03(Cw10)	*04	SSOP
4251	Ellis,Thomas	*1102/53	*2402	*1301	*1527	*0304	*0401/30	PCR-SSO,SEQ
762	Fischer&Mayr	*11:02	*24:02/09N/11N/40N+	*13:01	*15:27	*03:04	*04:01/09N/28+	RSSO,SSP,SBT
792	Gandhi&Genco	*1102	*2402	*1301	*1527	*0304	*0401	SSO,SSP
810	Hamdi,Nuha	*110101	*24020101	*130101	*152701	*030401	*04010101	SSO
4269	Hanau,Daniel	*11:02	*24:02	*13:01	*15:27	*03:04	*04:01	PCR-SBT
741	Harville,Ter	*11:01	*24:02	*13:01	*15:27	*03:04	*04:01	SSO
3808	Hogan,Patric	*11	*24	*13	*1527	*03	*04	
771	Israel,Shosh	*1101/02	*2402/63	*1301	*1527	*0304	*0401	
9003	Israel_LR	*11	*24	*13	*15	*03	*04	
859	Kamoun,Malek	*1102	*2402	*1301	*1527	*0304	*0401	
4337	Kim,Tai-Gyu	*11:02/53	*24:02/09N/11N/40N+	*13:01	*15:27	*03:04	*04:01/09N/28+	SBT
168	Klein,Tirza	*11:01	*24:02	*13:01	*15:27	*03:04	*04:01	PCR-SSO,SSP
278	Lee,Jar-How	*1102	*2402	*1301	*1527	*0304/57	*0401	SSP,RVSSOP
6649	Lim,Young Ae	*11	*24	*13	*15(B62)	*03	*04	
731	Loewenthal,R	*110101/02	*2463/0201	*130101	*152701	*030401/28	*040101/09N/04	
759	Lopez-Cepero	*1101-03/05+	*2402/05/07/10/13+	*1301/17/22	*1527/*9509	*0304/06/07/09+	*0401/04/05/07+	RVSSO
23	Mah,Helen	*11	*24	*13	*15:27	*03	*04	SSO
8029	Mani,Rama	*11	*24	*13	*15			SSP
206	McAlack-Bala	*11	*24	*13	*15(B62)	*03(Cw10)	*04	RVSSOP
4336	Park,Myoung	*11	*24	*1301/17/20	*1527/*9509	*03	*04	RVSSO
16	Pidwell/Aska	*110201/53	*240201	*130101	*152701	*030401	*040101/30	RSSOP,SBT,SSP
3625	Rees,Tracey	*11	*24	*13	*15(B62)	*03	*04	PCR-SSP
5200	Reinke,Denni	*11	*24	*13	*15(B62)	*03(Cw10)	*04	SSP
1160	Rosen-Bronso	*11	*24	*13	*15	*03	*04	SSP,RVSSO
793	Rubocki,Ron	*11	*24	*13	*15(B62)	*03(Cw10)	*04	SSP
4948	Sage,Deborah	*11:01/02/38+	*24:02/03/63	*13:01	*15:27	*03:04/28/32/38	*04:01/09N/10+	SSOP,SBT
3519	Semana,Gilbe	*1102	*2402	*1301	*1527	*0304	*0401	SBT
8001	Sheikh,Maqso	*11	*24	*13	*1527	*0304	*04	RVSSOP,SSP
769	Tavoularis,S	*1102/53	*2402	*1301	*1527	*0304	*0401	SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*1153	*24020101	*130101	*152701	*030401	*040101	SBT
5462	Turner,E.V.	*11:02/53	*24:02:01:01/01:02L	*13:01:01	*15:27:01	*03:04	*04:01	SEQ,SSP,SSO

CTR	INVESTIGATOR NAME	CELL NO.1400 (Hispanic) A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*02:01	*68:03	*39:02:02	*39:05	*07:02:01		SSO,SSP,SBT
5106	Brown,Colin	*02:01:01	*68:03:01	*39:01:01	*39:13:01	*07		RVSSOP,SBT
774	Cecka,J.Mich	*02	*68	*39		*07		SSP,SSOP
5232	Charlton,Ron	*0201	*6803	*3902	*3905	*0702	*0702	SSP,RVSSO
4492	Charron,D.	*02:01/95/196+	*68:03	*39:01/02/05/13	*39:05/13/56	*07:02/75-99		PCR-SSP
4492	Charron_LR	*02	*68:03	*39		*07		PCR-SSO
798	Claas,F.H.J.	*0201	*680301	*3901//*390202	*391301//*390501	*0702		SBT,SSP
3632	Colombe,Beth	*0201	*6803	*3901//*3902	*3913//*3905	*0702		SSP
5130	Costeas,Paul	*02:01/42	*68:03	*39:01//*39:02	*3913//*39:05	*07:02	*07:02	SSO,SSP
779	Daniel,Claud	*02	*68	*39		*07		PCR-SSP
3186	Dunckley,Hea	*02	*68	*39		*07		SSP
3766	Dunn,Paul	*02	*6803	*39	*39	*07		SSO,PCR-SSP
856	Dupont,Bo	*0201+	*6803+	*3901+	*3902+	*0702/10/17/19/23/25/38/48-51		SSO
5214	Eckels/CPMC	*02	*6803	*39	*39	*07	*07	SSOP
4251	Ellis,Thomas	*0201	*6803	*3902	*3905	*0702/50	*0702/50	PCR-SSO,SEQ
762	Fischer&Mayr	*02:01/01L/09+	*68:03	*39:02	*39:05	*07		RSSO,SSP,SBT
792	Gandhi&Genco	*0201	*6803	*3902/13	*3905	*0702		SSO,SSP
810	Hamdi,Nuha	*02010101	*680301	*39010101	*391301	*07020101	*07020101	SSO
4269	Hanau,Daniel	*02:01/01L	*68:03	*39:02	*39:05	*07:02		SBT
741	Harville,Ter	*02:01	*68:03	*39:01	*39:05	*07:02		SSO
3808	Hogan,Patric	*02	*68	*3902/08/13/23+	*39	*07		
771	Israel,Shosh	*0201	*6803	*3901/02	*3905/13	*0702		
9003	Israel_LR	*02	*68	*39		*07		
859	Kamoun,Malek	*0201	*6803	*3902	*3905	*0702		
4337	Kim,Tai-Gyu	*02:01/09/43N+	*68:03	*39:02	*39:05	*07:02/50/66/74		SBT
168	Klein,Tirza	*02:01	*68:03	*39:01	*39:13	*07:02		PCR-SSO,SSP
278	Lee,Jar-How	*0201	*6803	*3901/02/26/28	*3905/13	*0702/56/62/66/67		SSP,RVSSOP
6649	Lim,Young Ae	*02	*68	*39		*07		
731	Loewenthal,R	*0201	*6803	*3901/02	*391301/05	*070201/50		
759	Lopez-Cepero	*0201/07/09+	*6803	*3902/01/13/15+	*3905/13/49	*0702/05/13/23/25+		RVSSO
23	Mah,Helen	*02	*68:03	*39	*39:05/13/49	*07	*07	SSO
8029	Mani,Rama	*02	*68	*39				SSP
206	McAlack-Bala	*02	*6803	*3901	*39	*07	*07	RVSSOP
4336	Park,Myoung	*02	*68	*39		*07		RVSSO
16	Pidwell/Aska	*020101	*680301	*3901//*390202	*391301//*390501	*070201/50		RSSOP,SBT,SSP
3625	Rees,Tracey	*02	*68	*39		*07		PCR-SSP
5200	Reinke,Denni	*02	*68	*39	*39	*07		SSP
1160	Rosen-Bronso	*02	*68	*39		*07		SSP,RVSSO
793	Rubocki,Ron	*02	*68	*39		*07		SSP
4948	Sage,Deborah	*02:01	*68:03	*39:01/02/46	*39:05/13	*07:02/50/66/74		SSOP,SBT
3519	Semana,Gilbe	*0201	*6803	*3901//*3902	*3913//*3905	*0702		SBT
8001	Sheikh,Maqso	*02	*68	*39		*07		RVSSOP,SSP
769	Tavoularis,S	*0201/01L	*6803	*3901/01L/02	*3905/13	*0702		SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*020101	*680301	*390202	*390501	*070201		SBT
5462	Turner,E.V.	*02:01	*68:03	*39:02:02	*39:05:01	*07:02		SEQ,SSP,SSO

SUMMARY

Cell 1397 (Black)

45 labs

A*23	58%
A*2301/17	7%
A*230101/17	5%
A*23:01:01/17	2%
A*2301	13%
A*23:01	7%
A*230101	4%
A*23:01:01	4%
A*23	100% TOTAL
A*30	56%
A*3001	20%
A*30:01	9%
A*300101	11%
A*30:01:01	4%
A*30	100% TOTAL

45 labs

B*53	53%
B*5301	16%
B*53:01	13%
B*530101	11%
B*53:01:01	7%
B*53	100% TOTAL
B*42	31%
B*4202	44%
B*42:02	25%
B*42	100% TOTAL

44 labs

Cw*06	46%
Cw*0602	25%
C*06:02	20%
Cw*060201	5%
C*06:02:01	2%
Cw*06020101	2%
Cw*06	100% TOTAL
Cw*17	52%
Cw*1701	21%
C*17:01	16%
Cw*170101	5%
C*17:01:01	2%
Cw*17010101	2%
Cw*17	98% TOTAL

Cell 1398 (Hispanic)

45 labs

A*02	47%
A*0201	22%
A*02:01	13%
A*020101	7%
A*02:01:01	7%
A*02010101	2%
A*0207	2%
A*02	100% TOTAL
A*02	49%
A*0206	20%
A*02:06	7%
A*020601	11%
A*02:06:01	11%
A*9222	2%
A*02	100% TOTAL

45 labs

B*39	31%
B*3908	42%
B*39:08	27%
B*39	100% TOTAL
B*15	47%
B*1501	22%
B*15:01	7%
B*150101	4%
B*15:01:01	4%
B*15010101	7%
B*15:01:01:01	7%
B*15	98% TOTAL

44 labs

Cw*01	55%
Cw*0102	16%
C*01:02	7%
Cw*010201	11%
C*01:02:01	11%
Cw*01	100% TOTAL
Cw*07	53%
Cw*0702/50	2%
Cw*07:02/50	2%
Cw*070201/50	5%
Cw*0702	18%
Cw*07:02	9%
Cw*070201	2%
C*07:02:01	7%
Cw*07020101	2%
Cw*07	100% TOTAL

Cell 1399 (Chinese)

45 labs

A*11	53%
A*1102/53	5%
A*11:02/53	5%
A*110201/53	2%
A*1101	2%
A*11:01	4%
A*110101	2%
A*1102	11%
A*11:02	7%
A*11:02:01	2%
A*1153	5%
A*11:53	2%
A*11	100% TOTAL
A*24	55%
A*2402	18%
A*24:02	11%
A*240201	2%
A*24:02:01	5%
A*24020101	7%
A*24:02:01:01	2%
A*24	100% TOTAL

45 labs

B*13	44%
B*1301	20%
B*13:01	16%
B*130101	11%
B*13:01:01	7%
B*1322	2%
B*13	100% TOTAL
B*15	26%
B*1527/*9507	9%
B*1527	27%
B*15:27	20%
B*152701	11%
B*15:27:01	7%
B*15	100% TOTAL

44 labs

Cw*03	52%
Cw*0304	20%
C*03:04	14%
Cw*030401	7%
C*03:04:01	5%
Cw*03040101	2%
Cw*03	100% TOTAL
Cw*04	61%
Cw*0401	21%
C*04:01	9%
Cw*040101	2%
C*04:01:01	5%
Cw*04010101	2%
Cw*04	100% TOTAL

Cell 1400 (Hispanic)

45 labs

A*02	53%
A*0201	25%
A*02:01	13%
A*020101	5%
A*02:01:01	2%
A*02010101	2%
A*02	100% TOTAL
A*68	31%
A*6803	31%
A*68:03	27%
A*680301	9%
A*68:03:01	2%
A*68	100% TOTAL

45 labs

B*39	60%
B*3901/02	7%
B*39:01/02	2%
B*3901	2%
B*39:01	4%
B*39:01:01	2%
B*39010101	2%
B*3902	7%
B*39:02	7%
B*390202	2%
B*39:02:02	5%
B*39	100% TOTAL
B*39	56%
B*3905/13	7%
B*39:05/13	5%
B*391301/05	2%
B*3905	9%
B*39:05	11%
B*390501	2%
B*39:05:01	2%
B*3913	2%
B*391301	2%
B*39:13:01	2%
B*39	100% TOTAL

44 labs

Cw*07	64%
Cw*0702	18%
Cw*07:02	12%
Cw*070201	2%
C*07:02:01	2%
Cw*07020101	2%
Cw*07	100% TOTAL

INTERNATIONAL CELL EXCHANGE

		****** CELL NO.1397 **********										********** CELL NO.1398 **********										********** CELL NO.1399 **********										********** CELL NO.1400 ******									
		V										V										V										V									
		I								(BLCK)		I						(HISP)				I						(CHIN)				I						(HISP)			
INVESTIGATOR		A	A	A	B	B	C	C	B	B		A	A		B	B	C	C	B			A	A	A	B	B	C	C	B	B			A	A	A	B		C		B		
	DAYS	B	2	3	5	4	W	X	W	W		B	2		3	6	W	W	W			B	1	2	1	6	W	W	W	W			B	2	6	3		W		W		
NAME	OLD	%	3	0	3	2	6	1	4	6	OTHERS	%			9	2	1	7	6	OTHERS		%	1	4	3	2	3	4	4	6	OTHERS		%		8	9		7		6	OTHERS	
								7																																		
Abbal,Michel	7	97	+	+	+	+			+	+		95	+		+	+			+			98	+	+	+	+			+	+			95	+	+	+				+		
Alonso,Anton	6	90	+	+	+	+					CW4	90	+		+	+	+	+				90	+	+	+	+	+	+					90	+	+	+		+				
Alvarez,Carr	3	100	+	+	+	+			+	+		100	+		+	+			+	A11		100	+	+	+	+			+	+			100	+	+	+				+		
Anthony Nola	3	98	+	+	+	+						98	+		16	+						98	+	+	+	+							98	+	+	+						
Berka,Noured	3	98	+	+	+	+	+		+	+	CW2	98	+		+	+		+	+			98	+	+	+	+	+	+	+	+			98	+28	+		+			+		
Cecka,J.Mich	2	95	+	+	+	+			+	+		95	+		+	+			+			95	+	+	+	+			+	+			95	+	+	+				+		
Chan MD,Soh	4	95	+	+	+	+	+		+	+	CW2	95	+		+	+	+	+	+			95	+	+	+	+	+	+	+	+			95	+	+	+		+		+		
Charron,D. P	6	90	+	+	+	+			+	+		90	+		1615				+			90	+	+	+	+			+	+			90	+	+16					+		
Choo,Yoon MD	3	99	+	+	+	+	+	+	+	+		99	+		+	+	+	+	+			99	+	+	+	+	+	+	+	+			99	+	+	+		+		+		
Claas,F.H.J.	6	90	+	+	+	+			+	+		90	+		+	+	+		+			90	+	+	+	+	+	+	+	+			90	+28	+					+		
Dunckley,Hea	8	90	+19	+	+				+	+		90	+		+15				+			90	+	+	+15				+	+			90	+28	+					+		
Dunk,Arthur	2	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+			98	+	+	+	+	+	+	+	+			98	+28	+		+			+		
Dunn,Paul Dr	7	95	+	+	+	+						95	+		+	+						95	+	+	+	+							95	+	+	+						
Esteves Kond	2	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+			98	02	+	+	+10	+	+	+				98	+	+	+		+		+	3905	
Fischer,Joha	6	98	+	+	+	+			+	+		95	+		+	+			+			98	+	+	+	+			+	+			98	+	+	+				+		
Gomez,Carmen	2	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+			95	+	+	+	+	+	+	+	+			95	+	+	+		+		+		
Gomez,Carmen	3	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+	A28		98	+	+	+	+	+	+	+	+			98	+	+	+		+		+		
Hahn,Amy B.	3	99	+	+	+	+	+	+	+	+		99	+		+	+	+	+	+			99	+	+	+	+10	+	+	+				99	+	+	+		+		+	B72	
Harville,Ter	3	90	+	+	+	+	+	+	+	+		90	+		+	+	+	+	+			90	+	+	+	+10	+	+	+				90	+	+	+		+		+		
Hirankarn MD	6	71	+	+	+	+			+	+		74	+		+	+			+			78	.2	+	+	+			+				83	+	+	+				+		
Hogan,Patric	8	90	+	+	+	+	+	+	+	+		90	+		+	+	+	+	+			80	+	+	+	+	+	+	+	+			90	+28	+		+			+		
Holdsworth,R	9	90	+	+	+	+			+	+		98	+		+	+			+			97	+	+	+15				+	+			96	+	+	+				+		
Hubbell,Char	12	95	+	+	+	+			+	+		95	+		+	+			+			95	+	+	+	+			+	+			95	+		+				+	B72	
Israel,Shosh	6	95	+	+	+	+	+	+	+	+		95	+		+	+	+	+	+			95	+	+	+	+	+	+	+	+			95	+28	+		+			+		
Keown,Paul M	6	90	+	+	+	+			+	+		85	+		16	+			+			80	+	+	+	+				+			80	+	+16					+		
Klein,Tirza	6	95	+	+	+	+	+	+	+	+		95	+		+	+	+	+	+			95	+	+	+	+	+	+	+	+			98	+	+	+		+		+		
Kvam,Vonnett	2	95	+	+	+	+	+	+	+	+		97	+		+	+	+	+	+			97	+	+	+	+	+	+	+	+			98	+28	+		+			+		
Lardy,N.M. D	7	90	+	+	+	+			+	+		90	+		+	+	+	+	+			90	+	+	+	+	+	+	+	+			90	+28	+		+			+		
Leech MD,Ste	14	95	+	+	+	+	+		+	+		95	+		+	+	+	+	+			95	+	+	+	+	+	+	+	+			95	+	+	+		+		+		
Lo,Raymundo	4	98	+	+		+					B35	98	+			+				B38		98	02	+	+	+							98	+	+	+					B38	
Loewenthal M	14	NT										NT										NT											NT									
Lopez-Cepero	2	99	+	+	+	+	+	+	+	+		99	+			+	+	+	+			99	+	+	+	+	+	+	+	+	A11V		99	+	+	+		+		+	3905	
MacCann,Eile	2	98	+	+	+	+			+	+		98	+		+	+			+			98	+	+	+	+			+	+			98	+28	+					+		
Mah,Helen	3	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+			98	+	+	+	+	+	+	+	+			98	+	+	+		+		+		
McAlack,Robe	2	97	+	+	+	+	+	+	+	+		97	+		+	+	+	+	+			97	+	+	+	+10	+	+	+				97	+	+	+		+		+		
McAlack-Bala	2	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+			98	+	+	+	+10	+	+	+				98	+	+	+		+		+		
McCluskey,Ja	6	85	+	+	+	+			+	+	+	CW2	95	+		+	+	+	+	+			95	+	+	+15				+	+			95	+28	+					+		
Meyer,Pieter	14	85	+	+	+	+	+					80	+			+		+		B70		80	+	+	+	+	+	+					80	+	+	+		+				
Norin,Allen	2	99	+	+	+	+			+	+		99	+		+	+			+	A68		99	+	+	+	+			+	+	+		99	+	+	+				+	B37,B70	
Padua,Florec	4	90	+	+	+	+						90	+			+				A69,B38		90	+	+	+	+							90	+	+	+					B38	
Pais,Maria L	10	NT										99	+		+	+						NT											99	+	+	+						
Park,Myoung	7	88	+	+	+	+	+		+	+		86	+		+	+	+	+	+			80	+	+	+	+	+	+	+	+			82	+28	+		+			+		
Permpikul,Ve	6	90	+	+				+	+		B35,B55	90	+		+	+			+			90	02	+	+	+			+	+			90	+28	+					+		
Pidwell/Aska	2	95	+	+	+	+	+	+	+	+		95	+		+	+	+	+	+	B39V		95	+	+	+	+	+	+	+	+			95	+	+	+		+		+		
Pollack,Mari	2	99	+	+	+	+	+	+	+	+		99	+		+	+	+	+	+			99	+	+	+	+	+	+	+	+			99	+	+	+		+		+	B70	
Rees,Tracey	6	80	+	+	+	+	+	+	+	+		70	+		+	+	+	+	+			80	+	+	+	+	+	+	+	+			90	+	+	+		+		+		
Rosen-Bronso	2	90	+	+	+	+	+	+				90	+		+	+	+	+				90	+	+	+	+	+	+					90	+	+	+		+				
Rubocki,Rona	3	98	+	+	+	+	+	+	+	+		98	+		+	+	+	+	+			98	+	+	+	+	+	+	+	+			98	+28	+		+			+		
Sauer,Gottwa	6	98	+	+	+	+	+	+				95	+		+	+	+	+				98	+	+	+15	+	+						98	+	+	+		+				
Semana MD,Gi	3	99	+	+	+	+			+	+		99	+		16	+			+			99	+	+	+	+			+	+			99	+2816						+		

INTERNATIONAL CELL EXCHANGE

INVESTIGATOR NAME	DAYS OLD	****** CELL NO.1397 ****** VIAB %	A A B B C C B B 2 3 5 4 W X W W 3 0 3 2 6 1 4 6 7	(BLCK) OTHERS	********** CELL NO.1398 ********** VIAB %	A A 2	B B C C B 3 6 W W W 9 2 1 7 6	(HISP) OTHERS	********** CELL NO.1399 ********** VIAB %	A A B B C C B B 1 2 1 6 W W W W 1 4 3 2 3 4 4 6	(CHIN) OTHERS	********** CELL NO.1400 ********** VIAB %	A A B C B 2 6 3 W 7 8 9 6	(HISP) OTHERS
Shai,Isaac	10	92	+ + + + +	B7,B5	90	+	+ + + +	B70	98	+ + + + + + + +		92	+ + + + +	B70
Stamm,Luz	6	90	+ + + + + + + +		80	+	+ + + + +		80	+ + + + + + + +		80	+ + + + +	
Stavropoulos	2	99	+ + + + + + + +		99	+	+ + + + +		99	+ + + + + + + +		99	+28 + + +	
Tagliere,Jac	1	100	+ + + + + + + +		100	+	+ + + +	B38,BW4	100	+ + + + + + + +		100	+ + + + +	
Tiercy,Jean-	6	90	+19 + + + +		90	+	+ + +		NT			NT		
Tilanus,Marc	7	90	+ + + + + +		90	+	+ + +		90	+ + + + + +		90	+28 + +	
Walter Reed	2	97	+ + + + + + + +		96	+	+ + + + +		96	+ + + + + + + +		98	+28 + + +	
Wisecarver,J	8	98	+ + + + + +		98	+	+ + +		98	+ + + + + +		98	+28 + +	

****
* SUMMARY TABLE *
****

(BLCK)
**** CELL 1397 ****
(56 SAMPLES TYPED)
A23 100.0%
(100.0%)

A30 96.4%
A19 3.6%
(100.0%)

B53 94.6%

B42 96.4%

CW6 55.4%

CX17 46.4%
(46.4%)

BW4 83.9%

BW6 85.7%

(OTHERS FOUND)
CW2 5.4%
B35 3.6%
B5 1.8%
B7 1.8%
B55 1.8%
CW4 1.8%

(HISP)
**** CELL 1398 ****
(57 SAMPLES TYPED)
A2 100.0%
(100.0%)

B39 82.5%
B16 7.0%
(89.5%)

B62 96.5%
B15 3.5%
(100.0%)

CW1 56.1%

CW7 59.6%

BW6 84.2%

(OTHERS FOUND)
B38 5.3%
B70 3.5%
A69 1.8%
A11 1.8%
A28 1.8%
A68 1.8%
B39V 1.8%
BW4 1.8%

(CHIN)
**** CELL 1399 ****
(55 SAMPLES TYPED)
A11 92.7%
1102 5.5%
11.2 1.8%
(100.0%)

A24 100.0%
(100.0%)

B13 100.0%

B62 92.7%
B15 7.3%
(100.0%)

CW3 50.9%
CW10 9.1%
(60.0%)

CW4 63.6%

BW4 83.6%

BW6 85.5%

(OTHERS FOUND)
A11V 1.8%

(HISP)
**** CELL 1400 ****
(56 SAMPLES TYPED)
A2 100.0%
(100.0%)

A68 66.1%
A28 32.1%
(98.2%)

B39 94.6%
B16 5.4%
(100.0%)

CW7 58.9%

BW6 83.9%

(OTHERS FOUND)
B70 5.4%
B72 3.6%
3905 3.6%
B38 3.6%
B37 1.8%

*** 58 LABORATORIES REPLIED ***
********** NEXT SHIPMENT: 08/05/2010 **********