

REPORT OF THE 338th CELL EXCHANGE

FEBRUARY 4, 2009

B-Cell Line	415-418
Serum	977-984
DNA Extract	437-440
Cells	1349-1352

Welcome to the 2009 International Cell Exchange! We look forward to collaborating with you by providing interesting and challenging studies in this new year.

We congratulate all participating labs for completion of the 2008 International Cell Exchange. Enclosed in your February sendout package is a certificate to document your participation.

B-cell line Exchange

We are grateful for the many interesting cells provided by **Helen Bass, Jane Rowlands, and Christopher Darke, Welsh Blood Service, Pontyclun**. Their generous collaboration offered many opportunities for participating labs to be challenged by unusual or rare class II typings.

TER-415. This cell from a Black-Caribbean donor was typed as DRB1*1503 (78%), but without the expected normal association with a DRB5 allele, as commented by Colombe, Eckels, Montague, Paik, and Tilanus. Robbins et al. (1) described DRB1*15 and DRB1*16 cells without DRB5 alleles, detecting them in 15 of 303 African-American donors and in 1 of 1670 Caucasian donors, whereas none were found in Asian and Hispanic/Native American individuals (n=376 total). Three samples were typed as DRB1*1503-DRB5null in the International HLA DNA Exchange, DX#124 (1996), DX#361 (2002), and DX#394 (2003); interestingly, 2 of the 3 cells were from Hispanic donors.

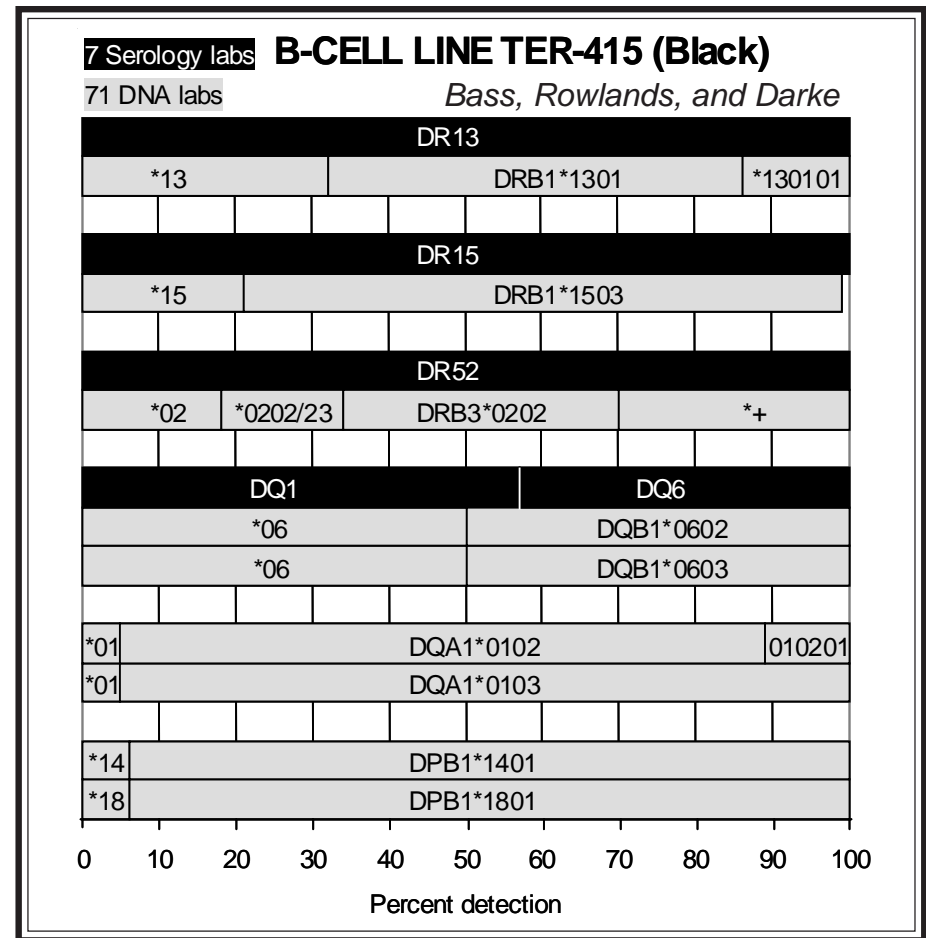
DRB1*1301 was assigned by 68%.

DR13 and DR15 were detected by 100%.

The probable haplotypes in this cell were DRB1*1301-DRB3*0202-DQB1*0603-DQA1*0103 and DRB1*1503-DQB1*0602-DQA1*0102.

DPB1*1401 and DPB1*1801 were assigned in consensus, by 94%.

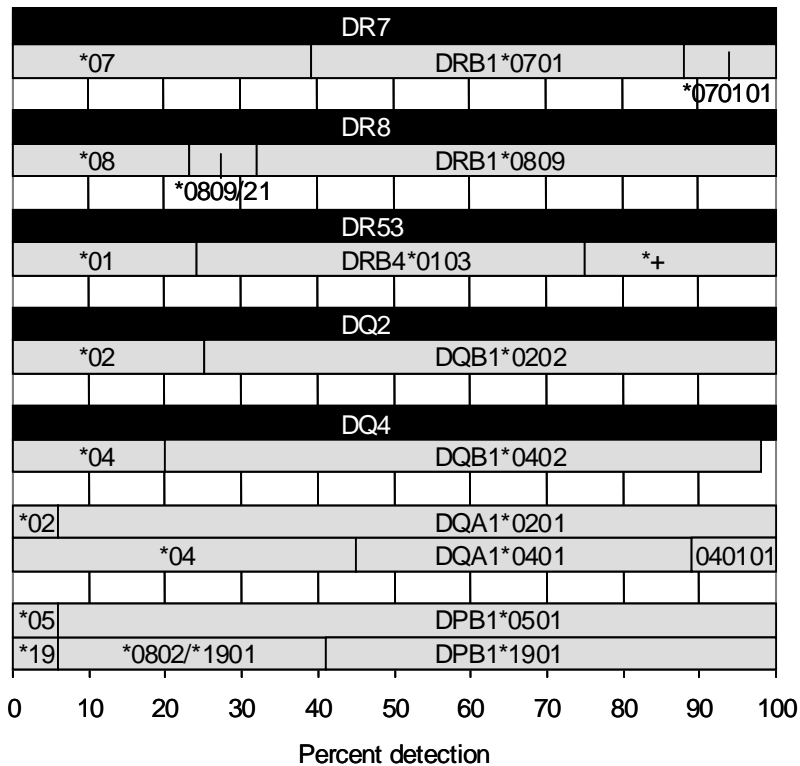
The unusual DRB1*1503-DRB5null association was in contrast to the DRB1null-DRB5*0101 association present in RXT79387 (also known as RXT), also described by Robbins et al. in the same abstract (1). This cell was challenging to type when it was studied as TER-352 (2004) and retyped as TER-402 (2007).



9 Serology labs B-CELL LINE TER-416 (Chinese)

69 DNA labs

Bass, Rowlands, and Darke



TER-416. DRB1*0809 was assigned by 69% for this cell from a Chinese donor. In describing the sequence of this DRB1*08 allele, Kashiwase et al. (2) postulated that it was most likely generated in a gene conversion-like involving DRB1*0802. The rare DRB1*0809 was typed for the first time in the Cell Exchange.

The second DRB1 type was DRB1*0701 (61%).

DR7 and DR8 were well typed, by 100%.

The commonly found haplotype of DRB1*0701-DRB4*0103-DQB1*0202-DQA1*0201 was likely present in this cell. Therefore, the second probable haplotype was DRB1*0809-DQB1*0402-DQA1*0401, the same DQ associations commonly found with DRB1*0802, as noted by Kashiwase et al.

DPB1*0501 (94%) and DPB1*1901 (59%) were the DPB1 alleles. However, about a third of the 17 labs did not resolve DPB1*1901 from DPB1*0802.

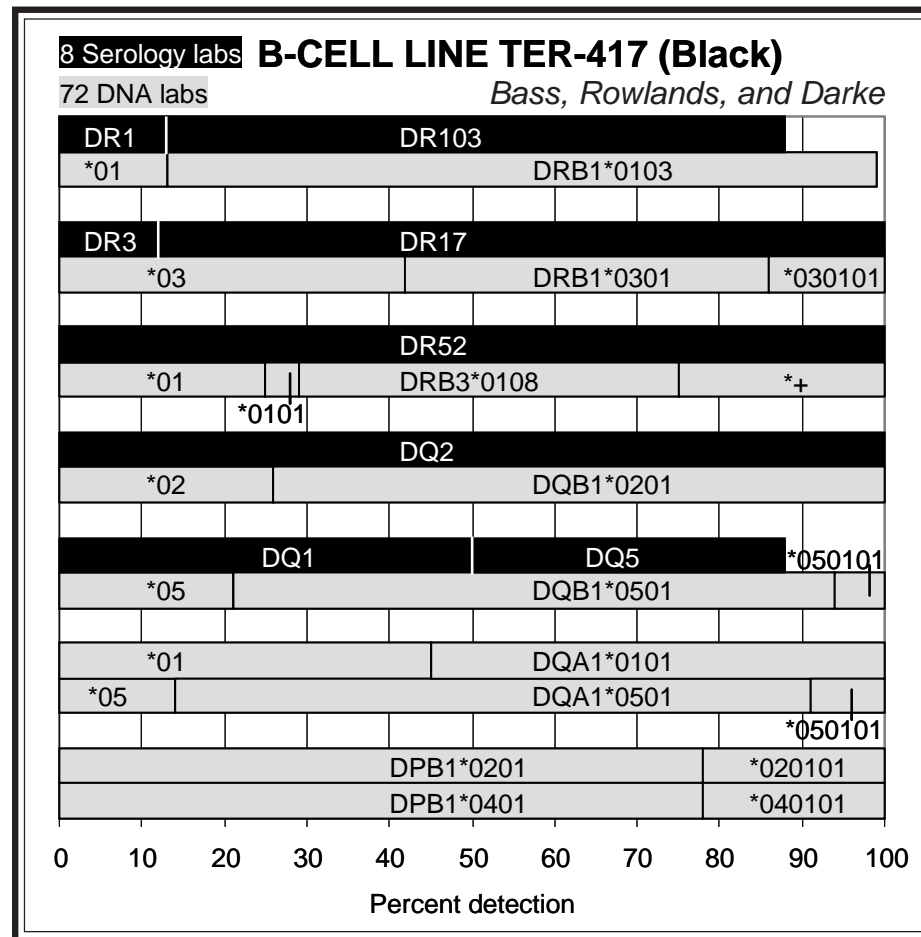
TER-417. DRB3*0108 was typed for the first time in the Cell Exchange in this cell from a Caucasian individual. Chen commented that the SSP pattern for DRB3 was unusual. DRB3*0108 differs from DRB3*0101 at codons 37 (TTC->AAC, Phe to Asn) and 38 (CTG->GTG, Leu to Val). DRB3*0108 was assigned by 46% and DRB3*0101 was misassigned by 4%.

DR52 was typed in complete consensus.

DR103 (75%) and DR17 (88%) were confirmed as DRB1*0103 (86%) and DRB1*0301 (58%), respectively.

DRB1*0103-DQB1*0501-DQA1*0101 and DRB1*0301-DRB3*0108-DQB1*0201-DQA1*0501 were the probable haplotypes.

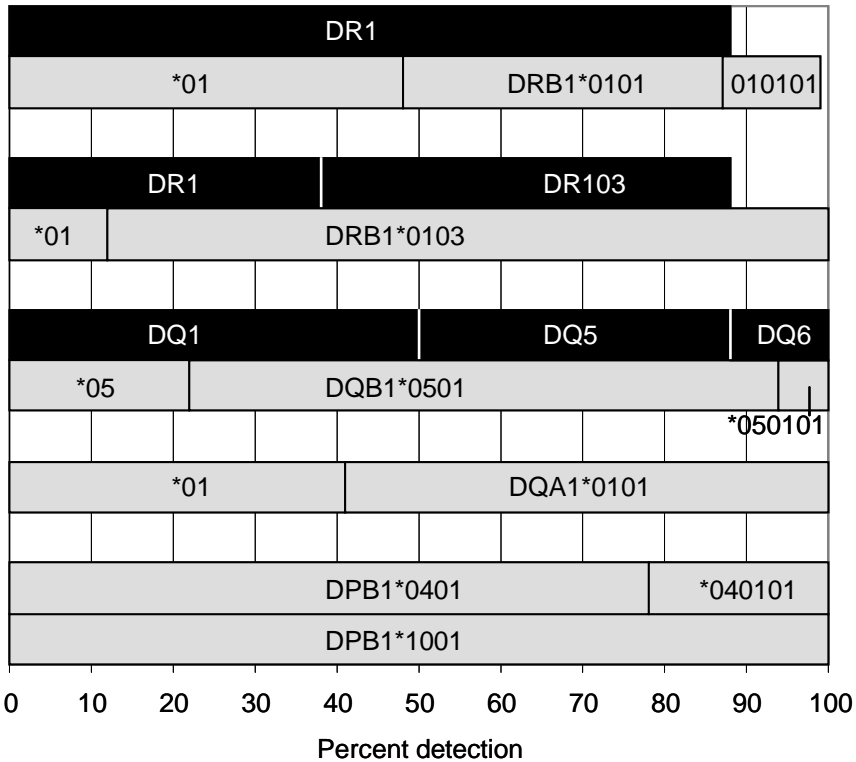
DPB1*0201 (*020101) and DPB1*0401 (*040101) were detected by 100%.



8 Serology labs B-CELL LINE TER-418 (Caucasian)

70 DNA labs

Bass, Rowlands, and Darke



TER-418. Two different DRB1*01 alleles, DRB1*0101 (52%) and DRB1*0103 (89%), were present in this Caucasian cell.

DR1 was assigned by 88% and DR103 was detected by 50%.

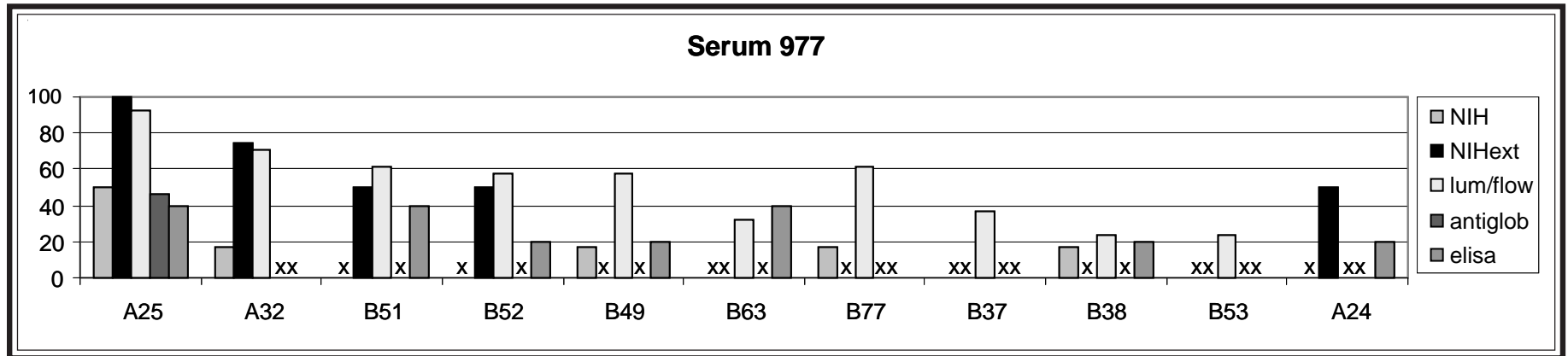
The probable haplotypes were DRB1*0101-DQB1*0501-DQA1*0101 and DRB1*0103-DQB1*0501-DQA1*0101.

DPB1*0401 (*040101) and DPB1*1001 were assigned in complete consensus. However, J.Lee and Pidwell noted that an alternative DPB1 typing for this cell may be DPB1*0801, DPB1*6601.

Serum Exchange

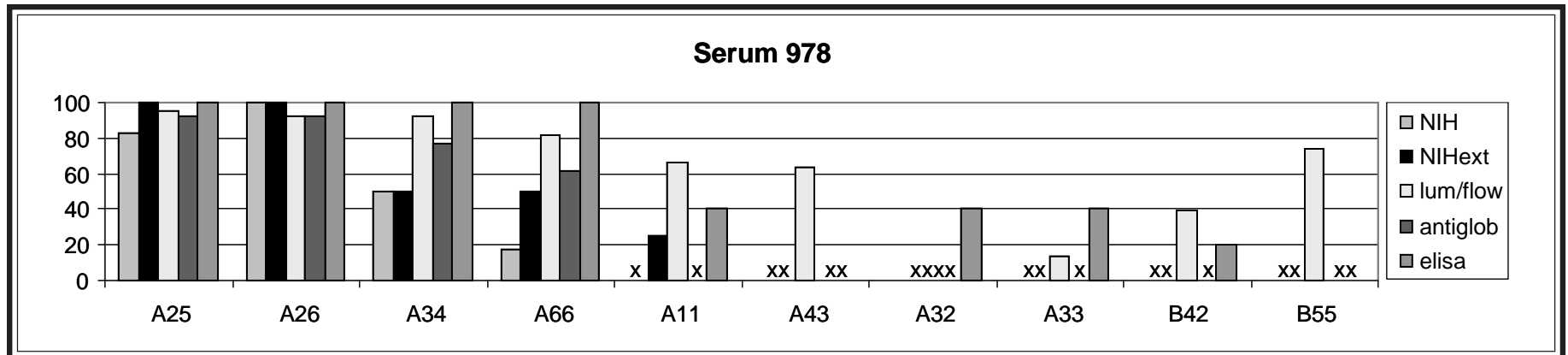
In one study, 4 antibodies (**sera 977-980**) were primarily reactive to A10 (A25, A26, A34, A66) specificities. Threonine at position 149 is unique for A10 specificities.

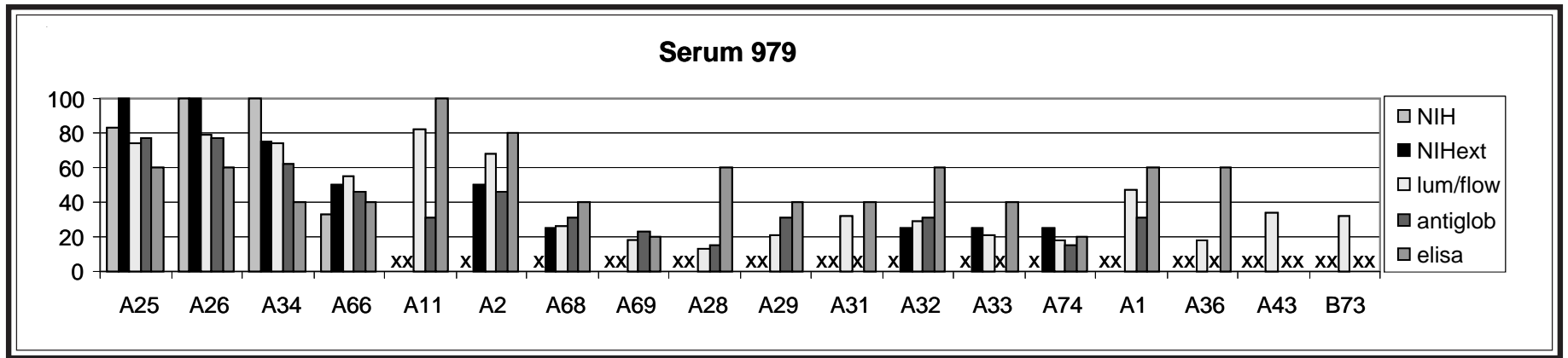
The second study (**sera 981-984**) featured sera positive to A9 specificities.



Serum 977 was positive to A25 by all methods. In addition, strong anti-A32 reactivity was reported by labs using extended NIH, Luminex and flow, but interestingly, not by labs using antiglobulin and ELISA. A24 was detected by

extended NIH and weakly by ELISA. Overall, this serum reacted weakly to other Bw4-related B-locus specificities, including B51, B52, B49, B63, and B77.



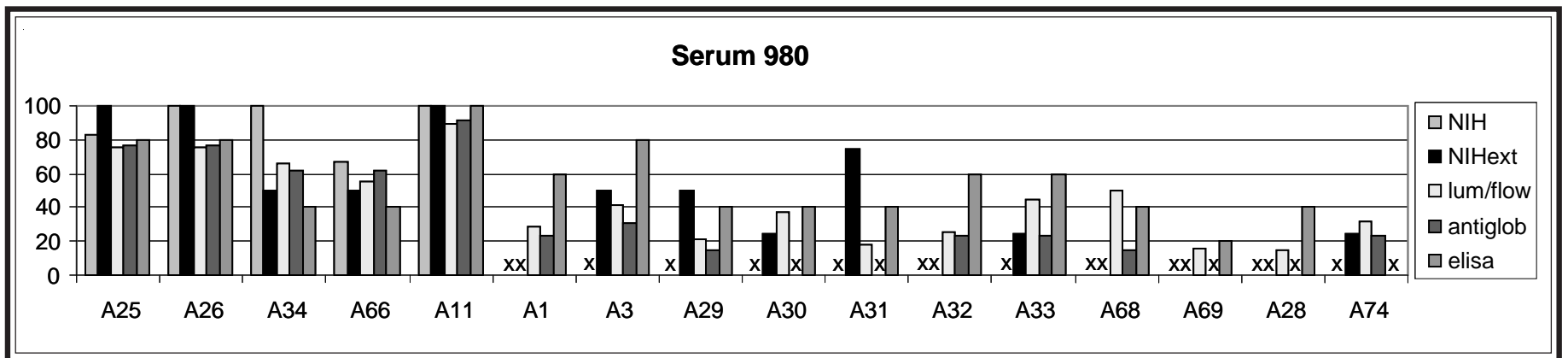


The other 3 antibodies, sera 978-980, were strongly positive to A25, A26, A34, and A66 by all methods.

Serum 978 was an operatively anti-A10 antibody. Weaker reactivity to A11 was reported by labs using extended NIH, Luminex, flow, and ELISA. Luminex also detected A43, B42, and B55.

In addition to strong anti-A10 reactivity, **serum 979** demonstrated weaker reactivity to A2 and A28, and a number of A19 specificities. Luminex, flow, antiglobulin, and ELISA also reported anti-A11 and -A1 reactivity.

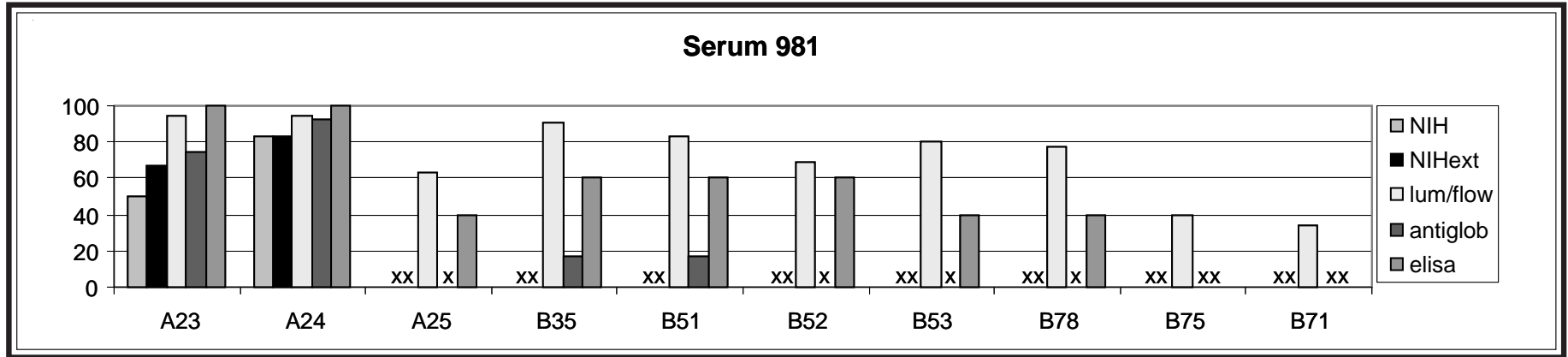
Serum 980 was strongly positive to A10 and A11 by all methods. Weaker reactivity was also reported for A1, A3, A28, and A19 specificities.



In the second antibody study, all 4 sera were strongly positive to A23 and A24 by all methods. Glycine at position 65 on the alpha 1 helix is unique for the A9 epitope. Other sites, such as 95L and 99F, are not antibody binding

sites since they are located under the peptide groove.

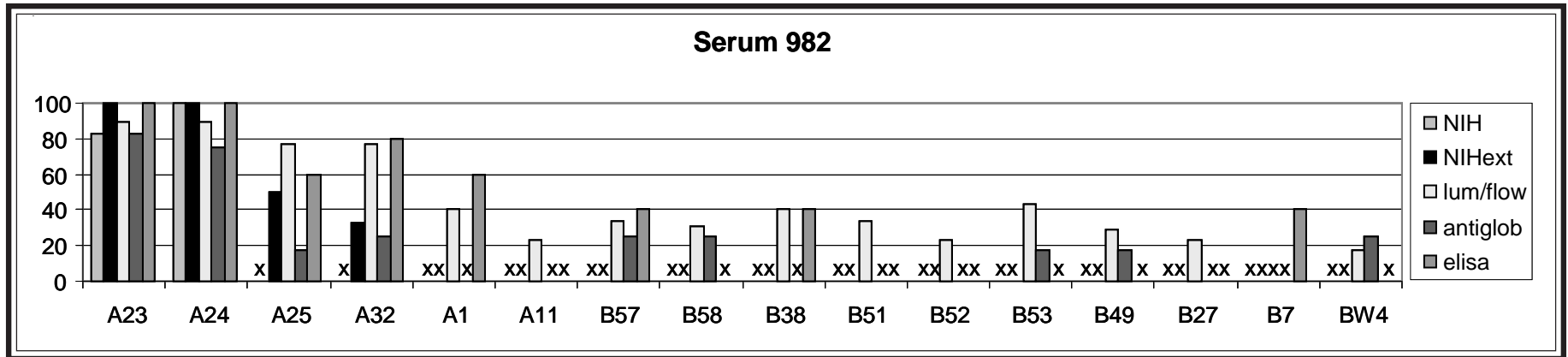
In this study, all 4 sera reacted as operatively monospecific to A9 by NIH.

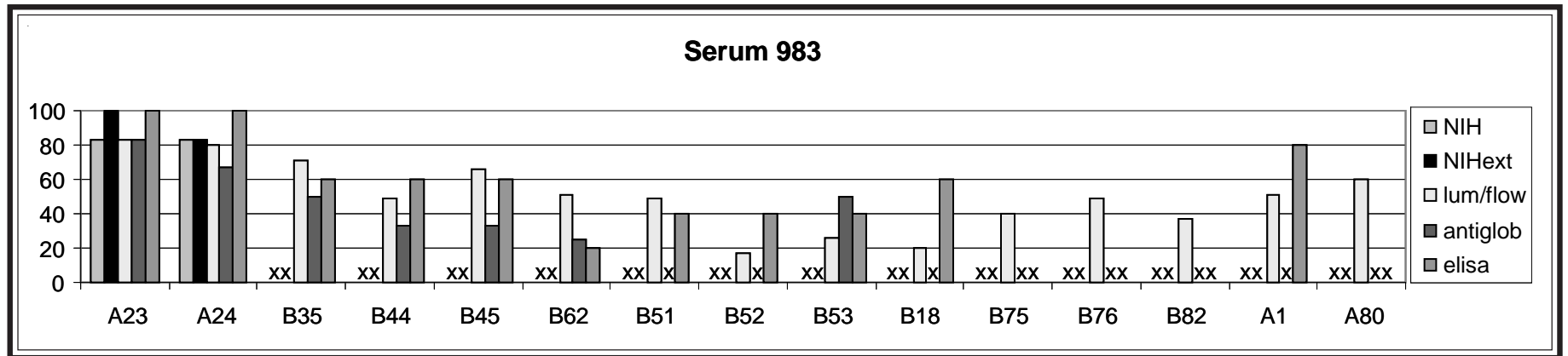


Serum 981 was determined by labs using Luminex, flow, and ELISA to have additional reactivity to A25 and 5C specificities, such as B35, B51, B52, B53, and B78.

81A-82L-83R, the region responsible for the Bw4-Bw6 binding site. Luminex, flow, and ELISA reported moderate anti-A1 reactivity and weak anti-Bw4 reactivity.

Serum 982 was reactive to A9, A25, and A32, which share 76E-79R-80I-

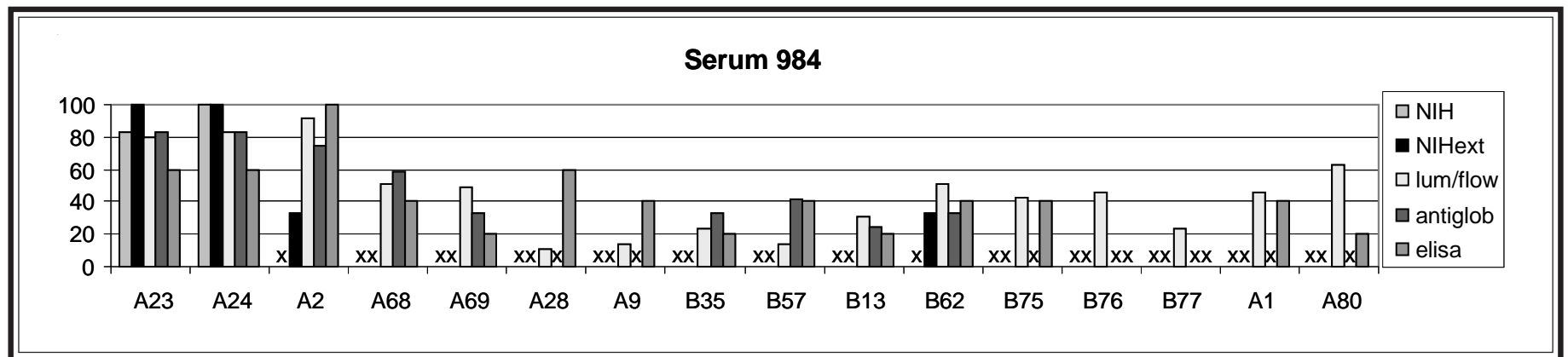




Serum 983 was also determined by labs using Luminex, flow, and ELISA to have additional reactivity to 5C, in particular B35, B51, B52, B53, and B18. It was unusual to find that this antiserum was reactive to B12 (B44, B45). Strong anti-A1 reactivity was also detected.

In addition to the reactivity to the A9 epitope, **serum 984** was reactive to

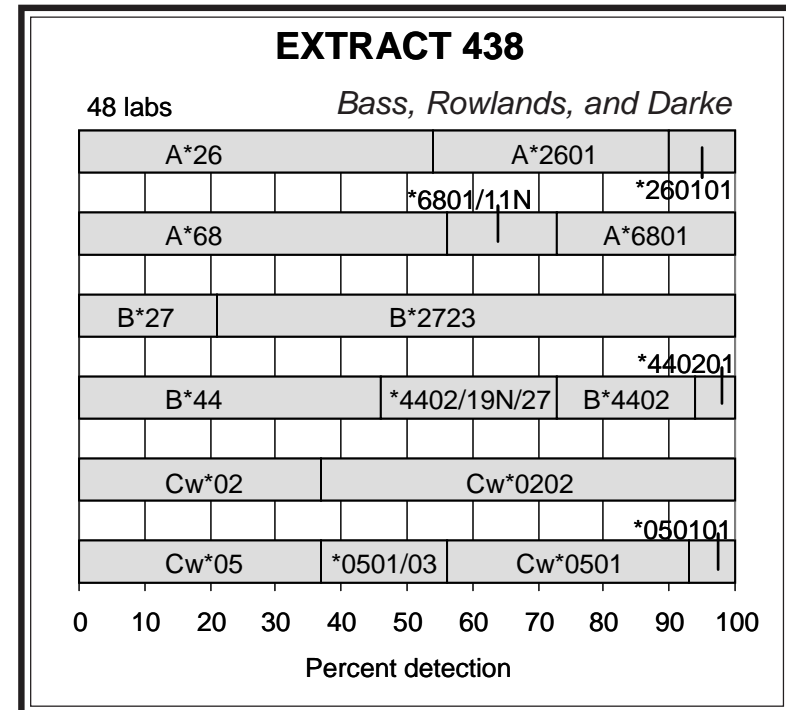
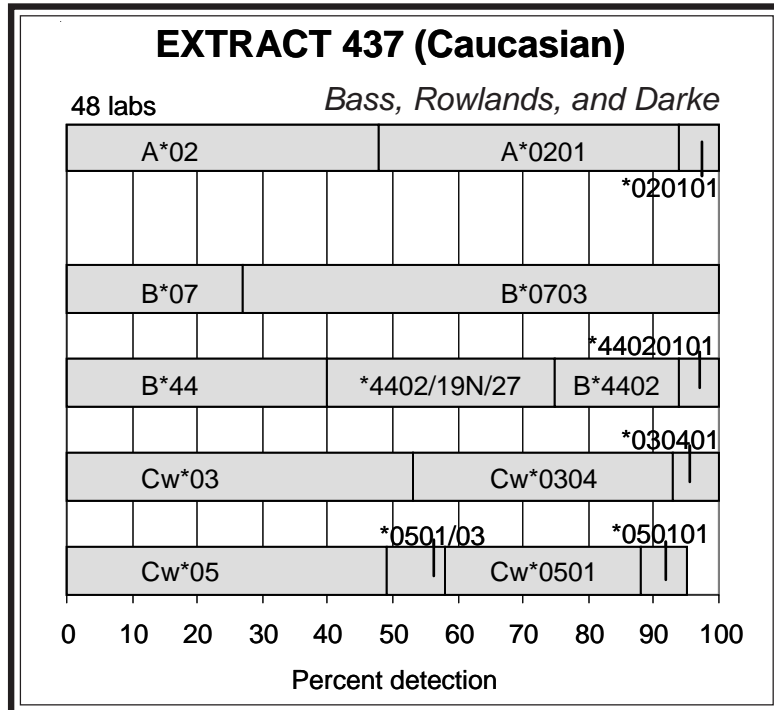
A2, A28 by the more sensitive techniques of Luminex, flow, antiglobulin, and ELISA. Sites 127K, 114H, and 116Y are shared by A9, A2, and A28, whereas 66K is another site specific for A2, A9, but not A28. Anti-B15 (B62, B75, B76, B77) and -A1,-A80 reactivity was also reported.



Extract Exchange

We express our appreciation to **Helen Bass, Jane Rowlands, and Christopher Darke, Welsh Blood Service, Pontyclun**, for sharing their rare

cells to study in our exchanges.



Extracts 437. This cell from a Caucasian donor was 1156492+, also known as 28144, one of the reference cells for B*0703, as correctly identified by Brown. The serologic variant encoded by this sequence was originally known as BPOT, as described by Reekers et al. (3). In 1987, Reekers shared 2 Caucasian BPOT cells from family members, which were typed as cells 523 and 524 in the Cell Exchange. For cell 523, B7 (33%), B48 (21%), and B73 (16%) were assigned for the BPOT variant, whereas for cell 524, the detection for BPOT was complicated by the presence of the standard B7. The rare B7 variant was sequenced by Bergmans et al. (4) and was formally designated as B*0703. This present cell was the first B*0703 to be typed by molecular-based methods in the Cell Exchange.

B*0703 was detected by 73%.

The second B-locus allele was B*4402 (25%).

The C-locus types were Cw*0304 (47%) and Cw*0501 (37%).

The probable haplotypes in this cell were A*0201-B*4402-Cw*0501, commonly found in Caucasians (HF=0.0542) (5) and A*0201-B*0703-Cw*0304. Reekers et al. described typing results from 3 generations of the family POT, saying, "Within the family, the B POT carrying haplotype was A2 Cw3 B POT Bw6 DR2, thus B POT is included in Bw6."

Extract 438. This Caucasian cell was 30733VTIS, one of the references for B*2723, as correctly noted by Brown. Darke et al. (6) described this variant in 3 different families, with the serological reactivity being that of B7, lacking reactivity to a number of anti-B27 sera, and it also reacted weakly to Bw4 antisera. B*2723 differs from B*270502 by 9 nucleotides in exons 2 and 3. Darke et al. said, "All these substitutions are possessed by B*35 alleles suggesting that that B*2723 was created by a gene conversion-like event involving B*27052 and a B*35 allele." The non-reactivity to B27 antisera may

be explained by the fact that B*2723 lacks the ECAKA motif at positions 63, 67, 69-71, possessed by all B*27 products, with the exceptions of B*2718 and B*2712, which also are nonreactive with B27 sera.

B*2723 was reported by 79%.

The second B-locus allele was B*4402 (27%).

A*2601 (46%) and A*6801 (27%) were the A-locus types.

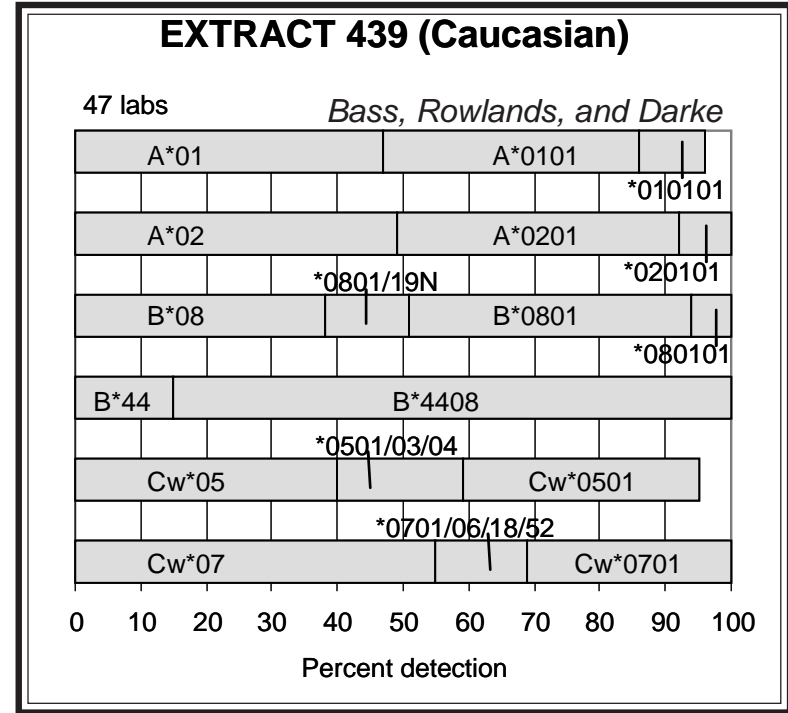
Cw*0202 (63%) and Cw*0501 (44%) were the C-locus alleles.

Family studies by Darke et al. and this present study indicated the haplotypes in this cell as A*6801-B*4402-Cw*0501 and A*2601-B*2723-Cw*0202. According to Jane Rowlands, Welsh Blood Service, "We have done family studies on three different B*2723 families and they all share the following haplotype: A*26 B*2723 Cw*0202/4-8 DRB1*1201/6/7 DRB3*0202/10-13/17 DQA1*05 DQB1*0301/10 DPA1*0103/7/9 DPB1*0401" (personal communication, 12/17/08).

Extract 439. This Caucasian cell was DM, one of 2 reference B*4408 cells, as correctly identified by Ball, Moses and Dunckley, and McIntyre. The cell was previously typed as extracts 190 (2001) and 275 (2004). The following table demonstrates the improved high-resolution typing of this cell over a span of 7 years:

	extract 190	extract 275	extract 439
	2001	2004	2008
A*0101	19%	35%	49%
A*0201	22%	29%	51%
B*0801	33%	36%	49%
B*4408	70%	73%	85%
Cw*0501	9%	18%	36%
Cw*0701	7%	12%	31%

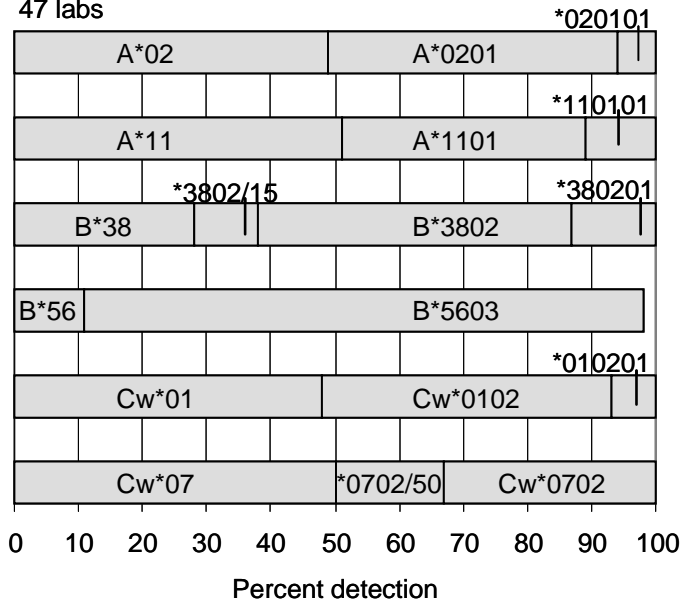
In this present retyping, B*4408 was assigned by 85%.



Darke et al. (7) and Street et al. (8) examined the rare B*44 variant in a number of family studies. Street et al. determined that in DM, B*4408 was found to be on the same haplotype with A*0201, Cw*0501, DRB1*0401, DQA1*03, and DQB1*0301, which was also present in 2 other unrelated B*4408 individuals. Therefore, the haplotypes in this cell were A*0101-B*0801-Cw*0501 and A*0201-B*4408-Cw*0501. Regarding its rarity, Street et al. said, "The phenotype and gene frequencies of B*4408, in a sample of 40,473 subjects residing in Wales, were 0.01235% and 0.00006, respectively."

EXTRACT 440

47 labs



Extract 440. This cell with the rare B*5603 was previously studied as extract 319 (2005), as correctly noted by Ball, Brown, Moses and Dunckley, Montague, and Stamm. A number of Investigators have described this variant as a hybrid of B*55/B*56 and B*46/B*15, with its sequence in exon 1 and 2 being most similar to other B*55 and B*56 alleles, and in the other exons, that is, exons 3 through 7, the sequence was identical to a number of B*15 and B*46 alleles (9-12).

In this present retyping, B*5603 was assigned by 87%, an increase over the 67% detection level 3 years ago.

The probable haplotypes in this donor were A*1101-B*5603-Cw*0102 and A*0201-B*3802-Cw*0702. Lyou et al. (12) stated that 15 of their 16 B*5603 donors had A*1101 and noted, "At the C locus, B*5603 seemed to have a 100% association with Cw1."

Cell Exchange

Cell 1349. B27 was detected by 97% in this cell from a Caucasian donor. Pidwell and Walter Reed AMC commented that the anti-B27 reactivity was weaker than normally expected. Moses and Dunkley, and Pidwell noted weak Bw4 reactions. Walter Reed AMC said that the B27 variant had extra reactivity with a number B7+B81 antisera.

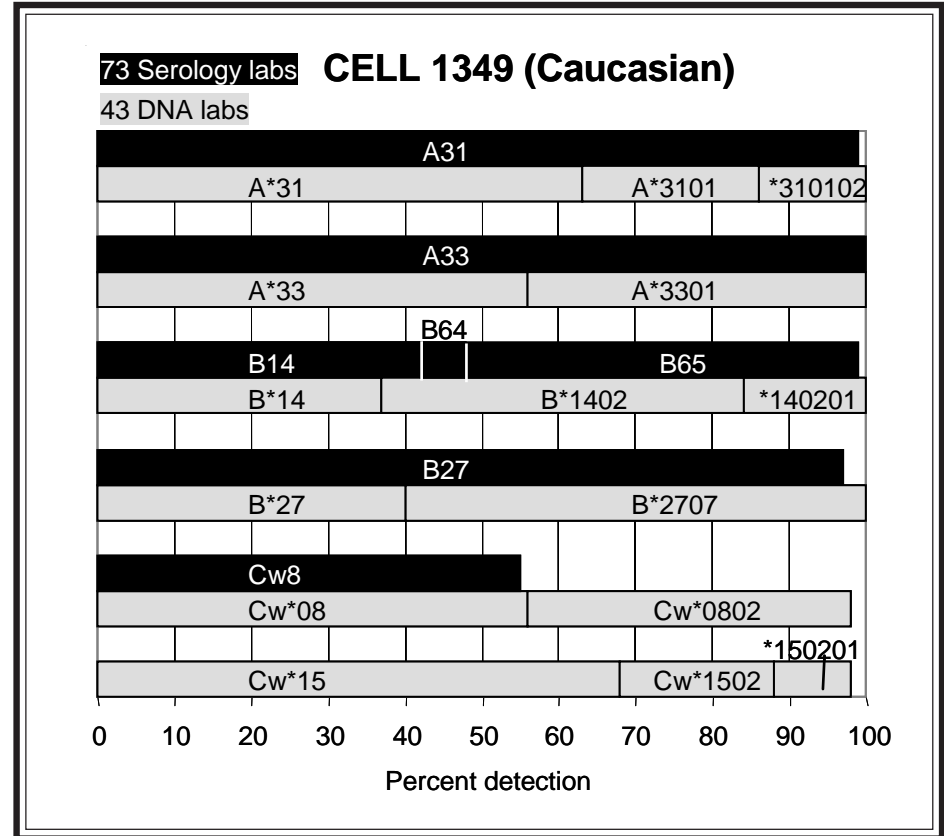
DNA typing confirmed the presence of B27, as B*2707 (60%). B*2707 was previously typed in 3 exchange donors, extracts 296 (also 96, 167) from an Asian Indian, 347 (also 230) from a Caucasian, and 415 (unknown ethnicity). This present cell was the first known B*2707 to be typed by both serology and molecular-based methods in the Cell Exchange.

The B14 split was B65 (51%), validated as B*1402 (63%).

Two different A19 splits, A31 and A33, as reported by nearly 100%, were corroborated as A*3101 (37%) and A*3301 (44%), respectively.

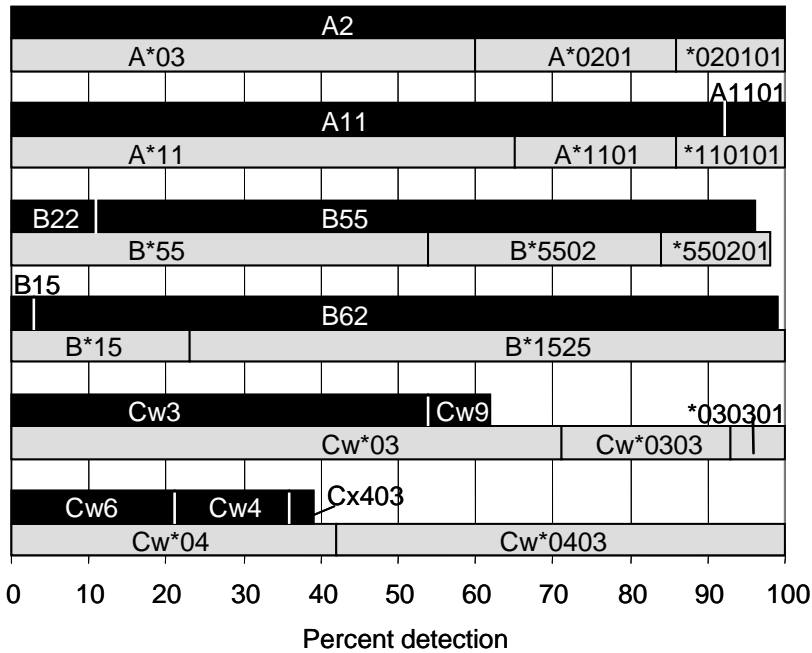
Cw8 (55%) and Cw*0802 (42%) were detected. The second C-locus type was Cw*1502, as reported by 30%.

The likely B-C loci associations in this cell were the commonly found B*1402-Cw*0802, and B*2707-Cw*1502, also found in the 3 previously typed B*2707 donors.



74 Serology labs CELL 1350 (Chinese)

43 DNA labs



Cell 1350. B62 was well typed, by 96%, and confirmed as B*1525 (77%) in this Chinese cell. Moses and Dunckley noted longer than normal anti-B62 reactivity, reacting more like B75.

The second B-locus antigen was B55 (85%), confirmed as B*5502 (44%). Pidwell commented that a B55 variant was present and Abbal observed no reactivity with 2 anti-B55 monoclonals.

Cw3 was detected by 72%, with 8% reporting Cw9 as the split. Cw*0303 was assigned by 29%.

The second C-locus antigen was the Cw4 subtype (Cw4x6) encoded by Cw*0403 (58%), showing reactivity to both Cw4 (15%) and Cw6 (22%) antisera.

The likely associations in this cell were B*1525-Cw*0403 and B*5502-Cw*0303. Cw*0403 is commonly found in association with B*1521, mainly in Filipino donors, and with B*1525 in Asian donors. It was somewhat unusual to find B*5502-Cw*0303. B*5502 is commonly found in association with Cw*0102, as was detected in previously exchange B*5502 cells 1264, 1291 (also 1192, 1233), 1323, and 1339. B*5502-Cw*0304 was found in cell 1289 (also 1249) and B*5502-Cw*1203 in extract 258 (also 61), both from Asian donors.

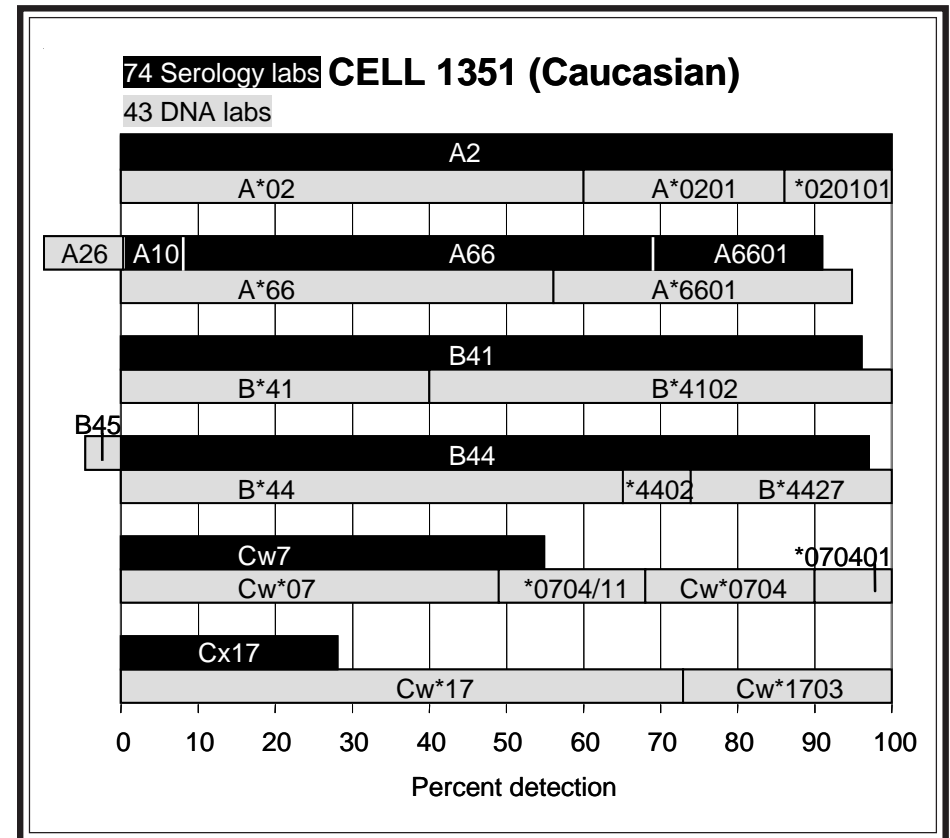
Cell 1351. B44 was well typed, by 97%, in this cell from a Caucasian donor. A B44 variant was offered by Pidwell, noting a weaker than normal reactivity pattern. B*4427 was assigned by 26%. In 2002 and 2004, labs were provided the opportunity to type FH48, a reference cell for B*4427, as extracts 222 and 2004, respectively. FH48 from a Caucasian donor was previously studied in the workshops as IHW#9436. This present cell was the first known B*4427 cell typed by both serology and DNA typing in the Cell Exchange.

Canossi et al. (13) described B*4427, "...the new allele differs from B*44021 by a single nucleotide exchange at position 668 (C->T), which is located in exon 4. At the protein level, it is the only B*44 variant to produce an Ala in place of a Val at codon 199." (Since then, B*4431 has been shown to also have Ala at codon 199 [14]). The investigators pointed out that all other B-locus alleles show an Ala residue, except for the B*44 family; thus, B*4427 and B*4431 are unique in the B*44 family. Voorter et al. (15) sequenced exons 1 and 5, showing this allele to be identical to all B*44's, except to B*4418 and B*4419N, in exon 1. The sequence of exon 5 has 3 nucleotide differences (at positions 900, 916, 985) from other B*44's; overall, the sequences of exons 4 and 5 are identical to those of B*15, *37, *45, *46, *49, and *50 families. Therefore, Voorter et al. concluded, "These findings support the idea that B*4427 arose from B*440201 by allele conversion with an allele from the B*15, 45, 46, 49 or 50 allele group, with the breakpoint located between positions 1215 and 1615 of the genomic sequence."

The typing data from 2002 to present indicated improvement in the high-resolution typing for B*4427, as shown in the following table:

	extract 222	extract 299	cell 1351
	2002	2004	2008
	60 labs	57 labs	43 labs
B*44	74%	71%	65%
B*4427	10%	24%	26%
<i>misassignment</i>			
B*4402	16%	6%	9%

Note that 9% misassigned B*4402 in this present typing. We plan to resend this donor to improve standardization.

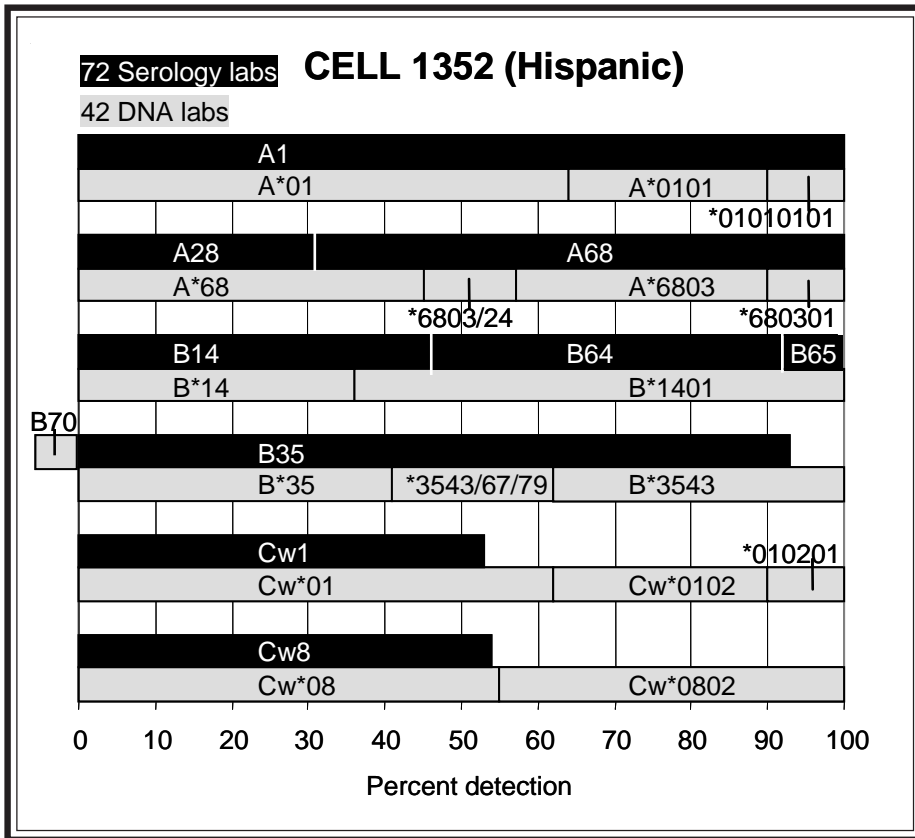


A66 was detected by 82%, with 22% assigning A6601, confirmed as A*6601 (39%).

B41 (96%) was well detected, and was validated as B*4102.

Cw7 and "Cx17" were assigned by 55% and 28%, respectively. Serologically, the antigen encoded by Cw*17 is not easily defined in the presence of Cw7. Cw*0704 (32%) and Cw*1703 (27%) were reported.

The probable haplotypes in this cell were A*0201-B*4427-Cw*0704 and A*6601-B*4102-Cw*1703. A*6601-B*4102-Cw*1703 was also present in cells 1124 (also 1095) and 1308, both from Caucasian donors.



Cell 1352. This donor from an Hispanic donor was previously typed as cells 1252 (2005) and 1294 (2007), and as extract 356 in 2006, as commented by a number of labs.

B35 was assigned by 93%. Mah commented that this B35 was not associated with Cw4 and Pidwell noted a shorter than normal anti-B35 reactivity pattern. B*3543 (38%) was assigned, which interestingly showed a decline in the detection rate since 2007, from 51% to 38%. This may be explained in part because ambiguity can be encountered not only with B*3567 which differs from B*3543 by 2 amino acid residues (T->C at pos 188, A->G at pos 194) in exon 4, but with also the newly sequenced B*3579, which differs from B*3543 by only one amino acid residue (Ala->Glu) at position 211 in exon 4, as described by Sanchez-Gordo et al. (16)

Nearly 100% detected B14, with B64 assigned by 46%, corroborated as B*1401 (64%).

A1 and A28 were assigned in complete consensus. A*0101 was reported by 36%. A68 was reported by 69%, confirmed as A*6803 (43%).

The probable B-C loci associations were B*1401-Cw*0802 and B*3543-Cw*0102. The same B*3543-Cw*0102 was found in the 3 B*3543 reference cells (B503, FFAJ, JC [G2997]) that had C-locus typing results listed in the IMGT/HLA database. Cao et al. (5) listed "B*1522-Cw*0102" as a common association found in Native Americans. 'B*1522' was renamed to B*3543 in 2002.

References

1. Robbins F, Hurley CK, Tang T, et al. Diversity associated with the second express HLA-DRB in the human population. *Immunogenetics* 1997;46:104.
2. Kashiwase K, Tokunaga K, Lin L, et al. A new HLA-DR8 subtype showing unusual serological reaction and the confirmatory sequence of DRB1*0809. *Tissue Antigens* 1995;46:340.
3. Reekers P, van der Beucken M, Andrien M, et al. HLA-B POT: a new HLA-antigen within the B7-cross reactive group. *Tissue Antigens* 1986;28:182.
4. Bergmans AM, Tijssen H, Lardy N, and Reekers P. Complete nucleotide sequence of HLA-B*0703, a B7 variant (BPOT). *Hum Immunol* 1993;38:159.
5. Cao K, Hollenbach J, Shi X, et al. Analysis of the frequencies of HLA-A, B, and C alleles and haplotypes in the five major ethnic groups of the United States reveals high levels of diversity in these loci and contrasting distribution patterns in these populations. *Hum Immunol* 2001;62:109.
6. Darke C, Street J, Hammond L, et al. Immunogenetic study of a new HLA allele, B*2723. *Tissue Antigens* 2002;60:400.
7. Darke C, Street J, Fussel H, et al. A new HLA-B44 (B44BO [B*4408]) identified by serology. *Tissue Antigens* 1997;50:32.
8. Street J, Downing J and Darke C. Immunogenetics of the rare HLA-B allele B*4408. *Eur J Immunogenet* 2003;30:129.
9. Bannai M, Tokunaga K, Tanaka H, et al. Five HLA-B22 group alleles in Japanese. *Tissue Antigens* 1997;49:376.
10. Barnardo MC, Bunce M, Lord CJ, and Welsh KI. HLA-B*5603: sequence of a novel hybrid allele comprising B*56 and B*4601 segments. *Tissue Antigens* 1997;49:496.
11. Hurley CK, Steiner N, Kosman C, et al. Novel HLA-A and HLA-B alleles. *Tissue Antigens* 1998;58:84.
12. Lyou J-Y, Yang KL, Lee A, et al. Confirmation of a recombinant allele B*5603 and a hypothetical reciprocal hybrid. *Eur J Immunogenet* 2002;29:69.
13. Canossi A, Papola F, Liberatore G, et al. Identification of the novel allele B*4427 and a confirmatory sequence (B*44022). *Tissue Antigen* 2002;59:331.
14. Przemeck M, Elsner H-A, Sel S, et al. HLA-B*4431: A new HLA-B variant with a complex ancestral history involving HLA-B*44, B*40 and B*07 alleles. *Tissue Antigens* 2002;60:91.
15. Voorter CEM, Gervais T, Mulkers EMT, et al. Identification of the new B*3556 and extension of the sequences of B*4420 and B*4427. *Tissue Antigens* 2006;68:253.
16. Sanchez-Gordo F, Balas A, Garcia-Sanchez F, et al. Report of a novel B*3579 allele in an Ecuadorian family: confirmation and extension of A*6836 and B*3922 sequences. *Tissue Antigens* 2008;71:85.

NEXT MAILING DATE: March 11, 2009

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

Eckels/CPMC,	San Francisco	CA	McIntyre PhD,John A.	Beech Grove	IN	Vilches,Dr Carlos	Madrid	
Eckels/Utah,	Salt Lake City	UT	Merenmies MD PhD,Jus	Helsinki		Walter Reed Army Med	Washington	DC
Elkhalifa MD PhD,Moh	Riyadh		Meyer,Pieter Wa	Pretoria, Gaut		Ward & Osowski,	Hyattsville	MD
Ellis PhD,Thomas	Milwaukee	WI	Middleton,Prof Derek	Belfast		Wassmuth,Prof Ralf	Dresden	
Endres & Wiltbank,Dr	Tempe	AZ	Miller,Dr Joshua	Miami	FL	Watkins PhD,David I.	Madison	WI
Esquenazi PhD,Violet	Miami	FL	Montague,Bridget	Leeds England		Wetmore,Marilyn	Allentown	PA
Esteves Kondo,Debra	Canoga Park	CA	Moore MD,S.Breannndan	Rochester	MN	Wisecarver PhD,James	Omaha	NE
Esteves-Kondo,Debra	Canoga Park	CA	Murad,Dr Shahnaz	Kuala Lumpur		Yamamori PhD,Shunji	Tokyo	
Fernandez-Vina PhD,M	Houston	TX	Mytilineos MD,Joanni	Ulm		Yu_Neng/ARC,	Dedham	MA
Fischer,Dr Johannes	Dusseldorf		Nehlsen-Cannare,Dr S	Detroit	MI	Zachary PhD,Andrea	Baltimore	MD
Fotino MD,Marilena	New York	NY	Nelson PhD,Karen	Seattle	WA			
Foxcroft,Z.K.	Johannesburg		Noreen,Harriet	Minneapolis	MN			

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CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*1301	*1503	*0202/23	*0602	*0603					P-SSP
5488 Adams, Sharon	*130101	*1503	*02	*0602/14	*0603/11	*0102	*0103	*1401	*1801	SSP, RSSO, SBT
4691 Ali, M. Ashraf	*13	*15	++	*06	*06					SSO
2300 Allegheny Ge	*13	*15	++	*06						SSP
5133 Baker, Judy	*1301	*1503	*0202/23	*0602	*0603					SSP, SBT
105 Ball, Edward	*1301/80	*1503	*0202/23	*0602/33	*0603	*0102	*0103			P-SSP
785 Chan, Soh Ha	*130101	*1503	++	*0602/03/11/24	*0603/14/24+	*0102	*0103			SBT
4492 Charron, D.	*1301/80	*1503	*0202	*0602	*0603	*0102	*0103	*1401	*1801	P-SSO, SSP
3224 Chen, Dongfen	*1301	*1503	*0202	*0602	*0603	*0102	*0103			SBT, SSO, SSP
3632 Colombe, Beth	*1301	*1503	*0202	*0602	*0603					SSP
3904 Cooper, Shann	*1301	*1503	*020101/03/05+	*0602	*0603					P-SSP
5130 Costeas, Paul	*1301/80	*1503	*0202	*0602	*0603	*0102	*0103			SSP
779 Daniel, Claud	*13	*15	*01-*03	*06						P-SSP
5219 Daniel, Dolly	*13	*15	++	*06						P-SSP
3625 Darke, Chris	*1301	*1503	*02	*0602/14	*0603/11	*0102	*0103	*1401	*1801	P-SSP
4269 Dormoy, Anne	*130101	*1503	*020201	*0602	*0603			*1401	*1801	P-SSP, SBT
5891 Du, Keming	*1301	*1503	++							P-SBT
856 Dupont, Bo	*1301	*1503	*02/*0109/*0303	*0602/11	*0603/14/28/23					
3511 Duquesnoy, Re	*1301	*1503	*0202	*0602	*0603					RVSSOP, SSP
5214 Eckels/CPMC	*13	*1503	*0202	*06	*06					SSOP
3428 Eckels/Utah	*1301	*1503								SSOP
2332 Elkhalfifa, Mo	*1301	*1503		*06						RVSSO, SSP
4251 Ellis, Thomas	*1301	*1503	*0202/12	*0602	*0603			*1401	*1801	P-SSO, SEQ
3135 Fischer, John	*1301	*1503	*0202	*0602	*0603			*1401	*1801	SBT, P-SSP
762 Fischer/Mayr	*1301	*1503	*0202	*0602	*0603	*0102	*0103			SSP, SSO, LBT+
8043 Gideon, Osna	*1301	*1503		*0602	*0603					SSOP, SSP
910 Hahn, Amy B.	*1301	*1503	*0202/23	*0602/33	*0603/28					SSP
2344 Hurley/Hartz	*130101	*15030101/030102		*060201	*060301					SBT
771 Israel, Shosh	*13	*15		*06						SSP, RVSSO
748 Jaramillo, An	*13	*15	++	*06						P-SSP
859 Kamoun, Malek	*1301	*1503	*0202	*0602	*0603					P-SSO, SSP
4864 Kim, Kyeong-H	*13	*15								P-SSOP
4337 Kim, Tai-Gyu	*1301	*1503		*0602	*0603			*1401	*1801	SBT
168 Klein, Tirza	*1301	*1503		*0602	*0603					P-SSP, SSOP
87 Land, Geoffre	*1301	*1503	*0202	*0602	*0603	*0102	*0103	*1401	*1801	SBT, SSP
278 Lee, Jar-How	*1301	*1503	*0202	*0602/33	*0603/28	*0102	*0103	*1401	*1801	SSP, RVSSOP
640 Lee, Kyung Wh	*1301	*1503		*0602	*0603	*010201	*0103			P-SBT
759 Lefor, W.M.	*1301/28/35/51+	*1503	*02	*0602/14/24/33	*0603/11/28/30	*0102	*0103	*1401	*1801	RVSSO
6649 Lim, Young Ae	*13	*15	++							P-SSP
274 Lo, Raymundo	*13	*15	++	*06						SSP
731 Loewenthal, R	*130101	*1503		*06						SBT, SSO
23 Mah, Helen	*1301	*1503	*0202	*0602	*0603	*0102	*0103			P-RFLP, SSP
8029 Mani, Rama	*13	*15	++	*06	*06					P-SSP
9916 McIntyre, Joh	*130101	*1503	*0202/23	*0602	*0603					SSP, SBT
794 Merenmies, Ju	*1301	*1503	*0202	*0602/11	*0603/14	*0102	*0103	*1401	*1801	SBT, SSP, SSO
8021 Montague, Bri	*1301	*1503	*0107/*02	*0602	*0603			*1401	*1801	P-SSP, SSO
792 Moore, S. Brea	*1301	*1503	*0202/05	*0602	*0603	*0102	*0103			P-SSO, SSP
5323 Murad, Shahna	*1301/59	*1503	*0202	*06						P-SSP
774 Paik, Young K	*1301	*1503	*0202/23	*0602/33	*0603/28					SSP
3648 Pereira, Noem	*1301	*1503		*0602/33	*0603/28					RSSO, SSP, SBT
3966 Permpikul&Ve	*1301	*1503	*0202	*0602	*0603					P-SSP
2400 Phelan, Donna	*1301	*1503	*02	*0602	*0603					
16 Pidwell, Dian	*130101	*1503	*0202	*0602/14/24/33	*0603/11/28/30	*0102	*0103	*1401	*1801	RSSO, SBT, SSP
4689 Rajczy, Katal	*1301/80	*1503	*0202/23	*0602	*0603/33					P-SSP
3753 Reed, Elaine	*1301	*1503	*0202	*0602/11	*0603/14	*0102	*0103			SBT, SSP, SSO
3798 Reinsmoen, N	*130101	*1503	*0202/23	*0602/33	*0603/28	*0102	*0103	*1401	*1801	SBT, SSOP, SSP
1160 Rosen-Bronso	*13	*1503	*02	*06						RVSSO

B-CELL LINE TER-415

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
793 Rubocki,Rona	*13	*15	*+	*06						P-SSP
5096 Seoul Red Cr	*13	*15								P-SSO
8042 Shainberg,Br	*1301	*1503		*0602	*0603					SSOP,SSP
8001 Sheikh,Maqso	*1301	*1503	*0202/23	*0602/33	*0603/28					RVSSO,SSP
735 Smith/MI	*13	*15	*+	*06	*06	*01	*01	*14	*18	RVSSOP,SSP
746 Stamm,Luz	*1301	*1503	*02	*0602	*0603					RVSSO,SSP
13 Tagliere,Jac	*1301	*1503	*0202	*0602	*0603					SSP
747 Tiercy,Jean-	*130101	*1503	*0202	*0602	*0603			*1401	*1801	SBT,SSO,SSP
5451 Tilanus,Marc	*130101	*1503	*020201	*060201	*060301	*010201	*0103	*1401	*1801	SBT
4021 Trachtenberg	*1301	*1503	*02	*06	*06					SSOP,SBT
5462 Turner,E.V.	*1301	*1503	*0202	*0602	*0603			*1401	*1801	SSO,SSP,SEQ
5642 Varnavidou-N	*1301	*1503	*+	*0602	*0603					P-SSP
705 Watkins,Dav	*1301	*1503	*+	*06						P-SSP,SEQ
5670 Wetmore,Mari	*13	*15	*+	*0602	*0603					SSP
2847 Yamamori,Shun	*13	*15		*06						SSO,SSP

CTR DIRNAME	DR13	DR15	DR52	DQ1	OTH1	OTH2
3904 Cooper,Shann	+	+	+	+		
910 Hahn,Amy B.	+	+	+	+		
4908 Kvam,Vonnet						
725 Lardy,N.M.	+	+	+	+		
54 McAlack,Robe	+	+	+	DQ6	DR51	
8004 Pais,Maria L	+	+	+	DQ6		
2400 Phelan,Donna	+	+	+	+		
16 Pidwell,Dian	+	+	+	DQ6	DR51	
793 Rubocki,Rona	NT					

B-CELL LINE TER-415 (Black-Caribbean)

72 DNA LABS

72 LABS REPORTING DRB1

DRB1*13	32%
DRB1*1301	54%
DRB1*130101	14%
DRB1*13	100% TOTAL
DRB1*15	21%
DRB1*1503	76%
DRB1*150301	2%
DRB1*15	99% TOTAL

58 LABS REPORTING DRB3

DRB3*+	29%
DRB3*0202	35%
DRB3*020201	3%
DRB3*02	17%
DRB3*0202/23	16%

7 SEROLOGY LABS

DR13	100%
DR15	100%
DR52	100%

67 LABS REPORTING DQB1

DQB1*06	39%
DQB1*0602/33	10%
DQB1*0602	48%
DQB1*060201	3%
DQB1*06	100% TOTAL
DQB1*06	40%
DQB1*0603/28	9%
DQB1*0603	48%
DQB1*060301	3%
DQB1*06	100% TOTAL

20 LABS REPORTING DQA1

DQA1*01	5%
DQA1*0102	85%
DQA1*010201	10%
DQA1*01	100% TOTAL
DQA1*01	5%
DQA1*0103	95%
DQA1*01	100% TOTAL

18 LABS REPORTING DPB1

DPB1*14	6%
DPB1*1401	94%
DPB1*14	100% TOTAL
DPB1*18	6%
DPB1*1801	94%
DPB1*18	100% TOTAL

DQ1	57%
DQ6	43%
DQ1	100% TOTAL

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CTR DIRNAME	DRB1	DRB1X	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0701	*0809	*0103	*0202	*0402					P-SSP
5488 Adams, Sharon	*0701	*0809	*01	*0202	*0402	*0201	*0401	*0501	*1901	SSP, RSSO, SBT
4691 Ali, M.Ashraf	*07	*08	*+	*02	*04					SSO
2300 Allegheny Ge	NT									
5133 Baker, Judy	*070101	*0809	*0103	*0202	*0402					SSP, SBT
105 Ball, Edward	*0701	*0802/09	*0103	*0202	*0402	*0201	*0401			P-SSP
785 Chan, Soh Ha	*070101	*0809	*01	*0202	*0402	*0201	*0401/02/04			SBT
4492 Charron, D.	*0701/14/15	*0809	*0103	*0202/05	*0402	*0201	*0401	*0501	*1901	P-SSO, SSP
3224 Chen, Dongfen	*0701	*0809	*0103	*0202	*0402	*0201	*04			SBT, SSO, SSP
3632 Colombe, Beth	*0701	*0809	*0103	*0202	*0402					SSP
3904 Cooper, Shann	*070101/13-15	*0809	*01030101/0302	*0202	*0402					P-SSP
5130 Costeas, Paul	*0701/15	*0809	*0103	*0202	*0402	*0201	*0401			SSP
779 Daniel, Claud	*07	*0809/21	*01010101-030101+	*02	*04					P-SSP
5219 Daniel, Dolly	*07	*08	*+	*02	*04					P-SSP
3625 Darke, Chris	*0701	*0809/21	*01	*0202	*0402	*0201	*04	*0501	*0802/*1901	P-SSP
4269 Dormoy, Anne	NT									
5891 Du, Keming	*0701	*0809/21	*+							P-SBT
856 Dupont, Bo	*0701	*0809	*0101/0304-07	*0202	*0402					
3511 Duquesnoy, Re	*0701	*0809	*0103	*0202	*0402					RVSSOP, SSP
5214 Eckels/CPMC	*07	*0809	*01	*02	*0402					SSOP
3428 Eckels/Utah	*0701	*0809								SSOP
2332 Elkhalfifa, Mo	*0701	*0809		*0202	*0402					RVSSO, SSP
4251 Ellis, Thomas	*0701	*0809	*0101/03/06	*0202	*0402			*0501	*0802/*1901	P-SSO, SEQ
3135 Fischer, John	*0701	*0809	*0103	*0202	*0402			*0501	*1901	SBT, P-SSP
762 Fischer/Mayr	*0701	*0809	*0103	*0202	*0402					SSP, SSO, LBT+
8043 Gideoni, Osna	*0701	*0809		*0202	*0402					SSOP, SSP
910 Hahn, Amy B.	*0701/13-15	*0809	*0103	*0202	*0402					SSP
2344 Hurley/Hartz	*070101	*0809		*0202	*0402					SBT
771 Israel, Shosh	*07	*08		*02	*04					SSP, RVSSO
748 Jaramillo, An	*07	*08	*+	*02	*04					P-SSP
859 Kamoun, Malek	*0701	*0809	*0103	*0202	*0402					P-SSO, SSP
4864 Kim, Kyeong-H	*07	*08								P-SSOP
4337 Kim, Tai-Gyu	*0701	*0809		*0202	*0402			*0501	*1901	SBT
168 Klein, Tirza	*0701	*0809		*0202	*0402					P-SSP, SSOP
87 Land, Geoffre	*0701	*0809	*0103	*0202	*0402	*0201	*0401	*0501	*1901	SBT, SSP
278 Lee, Jar-How	*0701/14	*0809	*0103/07	*0202	*0402	*0201	*0401/02/04	*0501	*0802/*1901	SSP, RVSSOP
640 Lee, Kyung Wh	*0701	*0809		*0202	*0402	*0201	*040101			P-SBT
759 Lefor, W.M.	*0701/03/05/07+	*0802	*01	*0202	*0402	*0201	*0401/02/04	*0501	*0802/*1901	RVSSO
6649 Lim, Young Ae	*07	*08	*+							P-SSP
274 Lo, Raymundo	*07	*08	*+	*02	*04					SSP
731 Loewenthal, R	*070101	*0809		*0202	*0402					SBT, SSO
23 Mah, Helen	*0701	*0809	*0103N	*0202	*0402	*0201	*0401/02/04			P-RFLP, SSP
8029 Mani, Rama	*07	*08	*+	*02						P-SSP
9916 McIntyre, Joh	*0701	*0809	*0103	*0202	*0402					SSP, SBT
794 Merenmies, Ju	*0701	*0809	*0103	*0202	*0402	*0201	*0401	*0501	*1901/*0802	SBT, SSP, SSO
8021 Montague, Bri	*0701	*0809	*01/*0201N	*0202	*0402			*0501	*1901	P-SSP, SSO
792 Moore, S.Brea	*0701	*0809	*0103	*0202	*0402	*0201	*0401			P-SSO, SSP
5323 Murad, Shahna	*0701/08-14	*0809	*0103/04	*02	*04					P-SSP
774 Paik, Young K	*0701/13-15	*0809	*0103	*0202	*0402					SSP
3648 Pereira, Noem	*0701	*0809		*0202	*0402					RSSO, SSP, SBT
3966 Permpikul&Ve	*0701	*0809	*0103	*0202	*0402					P-SSP
2400 Phelan, Donna	*0701	*0809/21	*0103	*0202	*0402					
16 Pidwell, Dian	*070101	*0809	*0103	*0202	*0402	*0201	*0401/02/04	*0501	*0802/*1901	RSSO, SBT, SSP
4689 Rajczy, Katal	*0701/13-15	*0809	*0103	*0202	*0402					P-SSP
3753 Reed, Elaine	*0701	*0809/21	*0103	*0202	*0402	*0201	*0401/02/04			SBT, SSP, SSO
3798 Reinsmoen, N	*070101	*0809	*0103	*0202	*0402	*0201	*0401	*0501	*1901	SBT, SSOP, SSP
1160 Rosen-Bronso	*07	*0809	*01	*02	*0402					RSSO

B-CELL LINE TER-416

CTR DIRNAME	DRB1	DRB1X	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
793 Rubocki,Rona	*07	*08	++	*02	*04					P-SSP
5096 Seoul Red Cr	*07	*08								P-SSO
8042 Shainberg,Br	*0701	*0809		*0202	*0402					SSOP,SSP
8001 Sheikh,Maqso	*0701/14/15	*0809	*0103/07	*0202	*0402					RVSSO,SSP
735 Smith/MI	*07	*08	++	*02	*04	*02	*04	*05	*19	RVSSOP,SSP
746 Stamm,Luz	*0701	*0809	*01	*0202	*0402					RVSSO,SSP
13 Tagliere,Jac	*0701	*0809	*0103	*0202	*0402					SSP
747 Tiercy,Jean-	*070101	*0809	*0103	*0202	*0402			*0501	*1901	SBT,SSO,SSP
5451 Tilanus,Marc	*070101	*0809	*01030101	*0202	*0402	*0201	*040101	*0501	*1901	SBT
4021 Trachtenberg	*07	*08	*01/*0201N	*0202	*04					SSOP,SBT
5462 Turner,E.V.	*0701	*0809/21	*0103	*0202	*0402			*0501	*1901	SSO,SSP,SEQ
5642 Varnavidou-N	*0701	*0809	++	*0202	*0402					P-SSP
705 Watkins,Dav	*0701	*0809	++	*02	*04					P-SSP,SEQ
5670 Wetmore,Mari	*07	*08	++	*02	*04					SSP
2847 Yamamori,Shun	*07	*08		*02	*04					SSO,SSP

CTR DIRNAME	DR7	DR8	DR53	DQ2	DQ4	OTH1	OTH2
3904 Cooper,Shann	+	+	+	+	+		
910 Hahn,Amy B.	+	+	+	+	+		
4908 Kvam,Vonnet							
725 Lardy,N.M.	+	+	+	+			
54 McAlack,Robe	+	+	+	+	+		
8004 Pais,Maria L	+	+	+	+	+		
2400 Phelan,Donna	+	+	+	+	+		
16 Pidwell,Dian	+	+	+	+	+		
793 Rubocki,Rona	+	+	+	+	+		

B-CELL LINE TER-416 (Chinese)

70 DNA LABS

70 LABS REPORTING DRB1

DRB1*07	39%
DRB1*0701	50%
DRB1*070101	11%
DRB1*07	100% TOTAL

DRB1*08	21%
DRB1*0809/21	9%
DRB1*0802	1%
DRB1*0809	69%
DRB1*08	100% TOTAL

56 LABS REPORTING DRB4

DRB4*+	25%
DRB4*0103	48%
DRB4*01030101	2%
DRB1*0103N	2%
DRB4*01	23%

9 SEROLOGY LABS

DR7	100%
DR8	100%
DR53	100%

65 LABS REPORTING DQB1

DQB1*02	25%
DQB1*0202	75%
DQB1*02	100% TOTAL

DQB1*04	20%
DQB1*0402	78%
DQB1*04	98% TOTAL

19 LABS REPORTING DQA1

DQA1*02	5%
DQA1*0201	95%
DQA1*02	100% TOTAL

DQA1*04	47%
DQA1*0401	42%
DQA1*040101	11%
DQA1*04	100% TOTAL

17 LABS REPORTING DPB1

DPB1*05	6%
DPB1*0501	94%
DPB1*05	100% TOTAL

DPB1*19	6%
DPB1*1901	59%
DPB1*0802/*1901	35%

DQ2	100%
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DQ4	100%
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B-CELL LINE TER-417

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0103	*0301	*0101/06/08	*0201	*0501					P-SSP
5488 Adams, Sharon	*0103	*030101	*0108	*020101	*050101	*0101	*0501	*020102	*040101	SSP, RSSO, SBT
4691 Ali, M. Ashraf	*01	*03	++	*02	*05					SSOP
2300 Allegheny Ge	*0103	*03	++	*02	*05					SSP
5133 Baker, Judy	*0103	*03(DR17)	*0108/10	*0201	*0501	*01	*0501			SSOP
105 Ball, Edward	*0103	*0301	*0108	*0201	*0501	*0101	*0501	*0201	*0401	P-SSP
785 Chan, Soh Ha	*0103	*030101	++	*0201/04/05	*050101	*0101/04/05	*0501/03+			SBT
5232 Charlton, Ron	*0103	*0301	*01	*0201	*0501					SSP, RVSSO
4492 Charron, D.	*0103	*0301/39	*0108	*0201	*0501	*0101	*0501	*0201	*0401	P-SSP, SSO
3224 Chen, Dongfen	*0103	*0301	*0108	*0201	*0501	*0101/04/05+	*0501			SBT, SSO, SSP
3632 Colombe, Beth	*0103	*0301	*0108	*0201	*0501					SSP
3904 Cooper, Shann	*0103	*0301/32/34+	*0108	*0201	*0501					P-SSP
5130 Costeas, Paul	*0103	*0301/32	*0108	*0201	*0501	*0101	*0501			SSP
779 Daniel, Claud	*0103	*03(DR17)	*01-*03	*02	*05					P-SSP
5219 Daniel, Dolly	*0103	*03	++	*02	*05					P-SSP
3625 Darke, Chris	*0103	*0301/22	*0108	*0201	*0501	*0101	*05	*0201	*0401	P-SSP, SBT
4269 Dormoy, Anne	*0103	*030101	*0108	*0201	*0501			*0201	*0401	SSP, SBT
5891 Du, Keming	*0103/16	*0301								P-SBT
856 Dupont, Bo	*0103	*0301/06/13+		*0201	*0501					RSSO
3511 Duquesnoy, Re	*0103	*0301	*0108	*0201	*0501					RVSSOP, SSP
5214 Eckels/CPMC	*0103	*03(DR17)	*01	*02	*0501					SSOP
3428 Eckels/Utah	*0103	*0301								SSOP
2332 Elkhalfifa, Mo	*0103	*03	*01-*03	*0201	*05					RVSSO, SSP
4251 Ellis, Thomas	*0103	*0301	*0108	*0201	*0501			*0201	*0401	P-SSO, SEQ
3135 Fischer, John	*0103	*0301	*0101	*0201	*0501			*0201	*0401	SBT, P-SSP
762 Fischer/Mayr	*0103	*0301	*0108	*0201	*0501	*0101/07	*0501/02			RSO, SSP, LBT+
8043 Gideoni, Osna	*0103	*0301		*0201	*0501					SSOP, SSP
910 Hahn, Amy B.	*0103	*0301/32/34+	*0101/08	*0201	*0501					SSP
2344 Hurley/Hartz	*0103	*030101		*020101	*050101			*020102	*040101	SBT, SSOP
771 Israel, Shosh	*01	*03		*02	*05					RVSSO
748 Jaramillo, An	*0103	*03(DR17)	++	*02	*05					P-SSP
859 Kamoun, Malek	*0103	*0301	*0108	*0201	*0501					P-SSO, SSP
797 Kato, Shunich	*0103	*0301		*0201/02/04	*0501					SSO, +SBT-DRB
4864 Kim, Kyeong-H	*01	*03								P-SSOP
4337 Kim, Tai-Gyu		*0301		*0201	*0501			*0201	*0401	SBT
168 Klein, Tirza	*0103	*0301		*0201	*0501					P-SSP, SSOP
87 Land, Geoffre	*0103	*0301	*0108	*0201	*0501	*0101	*0501	*0201	*0401	SSP, SBT
278 Lee, Jar-How	*0103	*0301	*0108	*0201	*0501	*0101/04/05+	*0501	*0201/*1802+	*0401/*2301	SSP, RVSSOP
640 Lee, Kyung Wh	*0103	*0301		*0201	*0501	*010101	*050101			P-SBT
759 Lefor, W.M.	*0103	*0301/13/18+	*01	*0201	*0501	*0101/04/05+	*0501			RVSSO
6649 Lim, Young Ae	*01	*03	++							P-SSP
274 Lo, Raymundo	*0103	*0301	++	*02	*05					SSP
731 Loewenthal, R	*0103	*030101		*0201	*0501					SBT, SSO
23 Mah, Helen	*0103	*0301	*01	*0201	*0501	*0101/04/05+	*0501			P-RFLP, RVSSO
8029 Mani, Rama	*01	*03	++	*02	*05					P-SSP
9916 McIntyre, Joh	*0103	*030101	*0108	*0201	*0501					SSP, SBT
794 Merenmies, Ju	*0103	*0301	*0108	*0201	*0501	*0101	*0501	*0201/*1802	*0401	SBT, SSP, SSO
8021 Montague, Bri	*0103	*0301	*0108	*0201	*0501			*0201	*0401	P-SSP, SSO
792 Moore, S. Brea	*0103	*0301	*0101/08	*0201	*0501	*0101	*0501			P-SSO, SSP
5323 Murad, Shahna	*0103	*0301/28/32	*0108	*02	*05					P-SSP
774 Paik, Young K	*0103	*0301/36	*0108	*0201	*0501	*0101	*0501			SSP, SSOP
3648 Pereira, Noem	*0103	*030101		*0201	*0501					RSSO, SSP, SBT
3966 Permpikul&Ve	*0103	*0301	*0101	*0201	*0501					P-SSP
2400 Phelan, Donna	*0103	*0301	*01	*0201	*0501					RSSO, SSP, SBT
16 Pidwell, Dian	*0103	*030101	*0108	*0201	*0501	*0101/04/05+	*0501	*020102//*2301	*040101//*8101	RSSO, SBT, SSP
4689 Rajczy, Katal	*0103	*0301	*0108	*0201	*0501					P-SSP
3753 Reed, Elaine	*0103	*0301	*0108	*0201	*0501	*0101/04/05+	*0501			SBT, SSP, SSO

B-CELL LINE TER-417

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
3798 Reinsmoen,N	*0103	*030101	*0108	*0201	*0501	*0101	*0501	*0201	*0401	SBT,SSOP,SSP
1160 Rosen-Bronso	*0103	*03	*01	*02	*0501					RVSSO
793 Rubocki,Rona	*0103	*03(DR17)	*+	*02	*05					SSP
5096 Seoul Red Cr	*01	*03								P-SSO
8042 Shainberg,Br	*01	*03		*0201	*0501					SSOP,SSP
8001 Sheikh,Maqso	*0103	*0301	*0105/08	*0201	*0501					RVSSO,SSP
735 Smith/MI	*0103	*0301/39	*+	*0201	*0501	*0101/04/05+	*0501	*0201	*0401	SSOP,SSP
746 Stamm,Luz	*0103	*0301	*01	*0201	*0501					RVSSO,SSP
13 Tagliere,Jac	*0103	*0301	*0108	*0201	*0501					SSP
5451 Tilanus,Marc	*0103	*030101	*0108	*020101	*050101	*0101	*050101	*020102	*040101	SBT
4021 Trachtenberg	*0103	*03	*01	*0201	*0501					RVSSOP
5462 Turner,E.V.	*0103	*0301	*01	*0201	*0501			*0201	*0401	SEQ,SSO,SSP
705 Watkins,Dav	*0103	*0301	*+	*02	*05					P-SSP,SEQ
5670 Wetmore,Mari	*0103	*03	*+	*02	*05					SSP
2847 Yamamori,Shun	*01	*03		*02	*05					SSO,SSP

CTR DIRNAME	DR103	DR17	DR52	DQ2	DQ1	OTH1	OTH2
3904 Cooper,Shann	+	+	+	+	+		
910 Hahn,Amy B.	+	+	+	+	+		
4908 Kvam,Vonnet	+	+	+	+	DQ5		
725 Lardy,N.M.	DR1	DR3	+	+	+		
54 McAlack,Robe	+	+	+	+	+		
8004 Pais,Maria L	+	+	+	+	+	DR13	
2400 Phelan,Donna	+	+	+	+	DQ5		
16 Pidwell,Dian	NT						
793 Rubocki,Rona	+	+	+	+	DQ5		

B-CELL LINE TER-417 (Caucasian)

72 DNA LABS

72 LABS REPORTING DRB1

DRB1*01	13%
DRB1*0103	86%
DRB1*01	99% TOTAL
DRB1*03	42%
DRB1*0301	44%
DRB1*030101	14%
DRB1*03	100% TOTAL

56 LABS REPORTING DRB3

DRB3*+	25%
DRB3*0101	4%
DRB3*0108	46%
DRB3*01	25%

8 SEROLOGY LABS

DR1	13%
DR103	75%
DR1	88% TOTAL
DR3	12%
DR17	88%
DR3	100% TOTAL
DR52	100%

67 LABS REPORTING DQB1

DQB1*02	25%
DQB1*0201	70%
DQB1*020101	5%
DQB1*02	100% TOTAL
DQB1*05	21%
DQB1*0501	73%
DQB1*050101	6%
DQB1*05	100% TOTAL

22 LABS REPORTING DQA1

DQA1*01	45%
DQA1*0101	50%
DQA1*010101	5%
DQA1*01	100% TOTAL
DQA1*05	14%
DQA1*0501	77%
DQA1*050101	9%
DQA1*05	100% TOTAL

18 LABS REPORTING DPB1

DPB1*0201	78%
DPB1*020101	22%
DPB1*0201	100% TOTAL
DPB1*0401	78%
DPB1*040101	22%
DPB1*0401	100% TOTAL

DQ2	100%
DQ1	50%
DQ5	38%
DQ1	88% TOTAL

B-CELL LINE TER-418

CTR DIRNAME	DRB1	DRB1X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal, M.	*0101/10/17-19	*0103	*0501						P-SSP
5488 Adams, Sharon	*010101	*0103	*050101		*0101		*040101	*1001	SSP, RSSO, SBT
4691 Ali, M. Ashraf	*01	*01	*05	*05					SSOP
2300 Allegheny Ge	NT								
5133 Baker, Judy	*01	*0103	*0501		*01				SSOP
105 Ball, Edward	*0101/17/20	*0103	*0501		*0101		*0401	*1001	P-SSP
785 Chan, Soh Ha	*0405	*0103	*050101		*0101/04/05				SBT
5232 Charlton, Ron	*0101	*0103	*0501	*0501					SSP, RVSSO
4492 Charron, D.	*0101/19/20	*0103	*0501		*0101		*0401	*1001	P-SSO, SSP
3224 Chen, Dongfen	*0101	*0103	*0501		*0101/04/05/07				SBT, SSO, SSP
3632 Colombe, Beth	*0101	*0103	*0501						SSP
3904 Cooper, Shann	*0101/14/17-19	*0103	*0501						P-SSP
5130 Costeas, Paul	*0101	*0103	*0501		*0101				SSP
779 Daniel, Claud	*01	*0103	*05						P-SSP
5219 Daniel, Dolly	*01	*0103	*05						P-SSP
3625 Darke, Chris	*0101	*0103	*0501		*0101		*0401	*1001	P-SSP, SBT
4269 Dormoy, Anne	NT								
5891 Du, Keming	*0101/07	*0103							P-SBT
856 Dupont, Bo	*0101/05/07	*0103	*0501						SSO
3511 Duquesnoy, Re	*0101	*0103	*0501						RVSSOP, SSP
5214 Eckels/CPMC	*01	*0103	*0501						SSOP
3428 Eckels/Utah	*0101	*0103							SSOP
2332 Elkhalfa, Mo	*0101	*0103	*05						RVSSO, SSP
4251 Ellis, Thomas	*0101/07	*0103	*0501	*0501			*0401	*1001	P-SSO, SEQ
3135 Fischer, John	*0101	*0103	*0501				*0401	*1001	SBT, P-SSP
762 Fischer/Mayr	*0101	*0103	*0501		*0101				RSSO, SSP, LBT+
8043 Gideon, Osna	*0101	*0103	*0501						
910 Hahn, Amy B.	*0101/14/17/19	*0103	*0501						SSP
2344 Hurley/Hartz	*010101	*0103	*050101				*040101	*1001	SBT, SSOP
771 Israel, Shosh	*01		*05						RVSSO
748 Jaramillo, An	*01	*0103	*05						P-SSP
859 Kamoun, Malek	*0101	*0103	*0501						P-SSO, SSP
797 Kato, Shunich	*0101/07	*0103	*0501						SSO, +SBT-DRB
4864 Kim, Kyeong-H	*01	*01							P-SSOP
4337 Kim, Tai-Gyu	*0101	*0103	*0501				*0401	*1001	SBT
168 Klein, Tirza	*0101	*0103	*0501						P-SSP, SSOP
87 Land, Geoffre	*0101	*0103	*0501	*0501	*0101	*0101	*0401	*1001	SSP, SBT
278 Lee, Jar-How	*0101	*0103	*0501		*0101/04/05/07		*0401/*6601	*0801/*1001	SSP, RVSSOP
640 Lee, Kyung Wh	*0101	*0103	*0501		*010101				P-SBT
759 Lefor, W.M.	*0101/05/07/08+	*0103	*0501		*0101/04/05/07		*0401	*1001	RVSSO
6649 Lim, Young Ae	*01								P-SSP
274 Lo, Raymundo	*01	*0103	*05						SSP
731 Loewenthal, R	*010101	*0103	*0501	*0501/03					SBT, SSO
23 Mah, Helen	*0101	*0103	*0501		*0101/04/05/07				P-RFLP, RVSSO
8029 Mani, Rama	*01	*01	*05	*04					P-SSP
9916 McIntyre, Joh	*010101	*0103	*0501						SSP, SBT
794 Merenmies, Ju	*0101	*0103	*0501		*0101		*0401	*1001	SBT, SSP, SSO
8021 Montague, Bri	*0101	*0103	*0501				*0401	*1001	P-SSP, SSO
792 Moore, S. Brea	*0101	*0103	*0501		*0101				P-SSO, SSP
5323 Murad, Shahna	*010204	*0103	*05						P-SSP
774 Paik, Young K	*0101/19	*0103	*0501		*0101				SSP, SSOP
3648 Pereira, Noem	*010101	*0103	*0501						RSSO, SSP, SBT
3966 Permpikul&Ve	*0101	*0103	*0501						P-SSP
2400 Phelan, Donna	*0101/07	*0103	*0501						RSSO, SSP, SBT
16 Pidwell, Dian	*010101	*0103	*0501		*0101/04/05/07		*040101//*0801	*1001//*6601	RSSO, SBT, SSP
4689 Rajczy, Katal	*0101	*0103	*0501						P-SSP
3753 Reed, Elaine	*0101	*0103	*0501		*0101/04/05/07				SBT, SSO

B-CELL LINE TER-418

CTR DIRNAME	DRB1	DRB1X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
3798 Reinsmoen,N	*010101	*0103	*0501		*0101		*0401	*1001	SBT,SSOP,SSP
1160 Rosen-Bronso	*01	*0103	*0501						RVSSO
793 Rubocki,Rona	*01	*0103	*05						SSP
5096 Seoul Red Cr	*01	*01							P-SSO
8042 Shainberg,Br	*01		*0501						SSOP,SSP
8001 Sheikh,Maqso	*0101/19	*0103	*0501						RVSSO,SSP
735 Smith/MI	*0101/19	*0103	*0501		*0101/04/05/07		*0401	*1001	SSOP,SSP
746 Stamm,Luz	*0101	*0103	*0501						RVSSO,SSP
13 Tagliere,Jac	*0101	*0103	*05						SSP
5451 Tilanus,Marc	*010101	*0103	*050101		*0101		*040101	*1001	SBT
4021 Trachtenberg	*01	*0103	*0501						RVSSOP
5462 Turner,E.V.	*0101	*0103	*0501				*0401	*1001	SEQ,SSO,SSP
705 Watkins,Dav	*0101	*0103	*05						P-SSP,SEQ
5670 Wetmore,Mari	*01	*0103	*05						SSP
2847 Yamamori,Shun	*01	*01	*05						SSO,SSP

CTR DIRNAME	DR1	DR103	DQ1	DQ1X	OTH1	OTH2
3904 Cooper,Shann	+	+	+			
910 Hahn,Amy B.	+	+	+			
4908 Kvam,Vonnet	+		DQ5			
725 Lardy,N.M.	+		+			
54 McAlack,Robe	+	+	+			
8004 Pais,Maria L			DQ6		DR13,DR52	
2400 Phelan,Donna	+		DQ5			
16 Pidwell,Dian	NT					
793 Rubocki,Rona	+	+	DQ5			

B-CELL LINE TER-418 (Caucasian)

70 DNA LABS

70 LABS REPORTING DRB1

DRB1*01	46%
DRB1*0101	40%
DRB1*010101	12%
DRB1*010204	1%
DRB1*01	99% TOTAL

DRB1*01	11%
DRB1*0103	89%
DRB1*01	100% TOTAL

65 LABS REPORTING DQB1

DQB1*05	22%
DQB1*0501	72%
DQB1*050101	6%
DQB1*05	100% TOTAL

22 LABS REPORTING DQA1

DQA1*01	41%
DQA1*0101	55%
DQA1*010101	4%
DQA1*01	100% TOTAL

18 LABS REPORTING DPB1

DPB1*0401	78%
DPB1*040101	22%
DPB1*04	100% TOTAL
DPB1*1001	100%

8 SEROLOGY LABS

DR1	88%
DR1	38%
DR103	50%
DR1	88% TOTAL

DQ1	50%
DQ5	38%
DQ6	12%
DQ1	100% TOTAL

	SERUM NO. 977										SERUM NO. 978										METHOD					
	% POS	% 8'S	A 2	A 3	B 5	B 5	B 4	B 7	B 6	B 3	B 3	B 5	% POS	% 8'S	A 2	A 2	A 3	A 4	B 5	A 1		A 4	A 4			
Alvarez & Ca	12	0										A74,A68	34	100	+	+	+							B72,B52,B62	(3)	
Baker, Judy	15	???	+		+	+	+	+					24	???	+	+	+	+				+				(3)
Berka, Noured	0	0											22	100	+	+	+								(4)	
Cantwell, Lin	???	???	+	+	+	+		+			+		???	???	+	+	+	+	+	+	+	+	+	3001,A203	(3)	
Choo, Yoon MD	5	50	+										75	100	+	+	+	+		+					A29,A68,A80	(4)
Cohen, Jacque	18	???	+	+	+	+	+	+			+		20	???	+	+	+	+	+		+				(3)	
Cooper, E. Sh	2	???										???	14	80	+	+	+								(1)	
Darke, Christ	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		(3)	
Dunckley, Hea	11	0	+										23	100	+	+	+								(1)	
Dunk, Arthur	42	100	+	+	+	+	+		+		+	A26	22	100	+	+	+							B46	(6)	
Dunn, Dale Dr	0	0	+										20	100	+	+	+	+							B46	(4)
Dunn, Paul Ph	33	100	+	+	+	+							33	100	+	+	+	+								(2)
Eckels/CPMC,	19	???										MULTI	22	???	+	+	+								(4)	
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+	+	B53	???	???	+	+	+	+	+	+	+	+	+	A2,A33	(3)	
Ellis, Thomas	28	???	+	+			+					B5,B53,BW4,B73	59	???						+				A10,B22	(3)	
Esteves Kond	0	0											19	100	+	+									(1)	
Esteves-Kond	26	0	+										40	100	+	+		+		+		+		A29,A24	(3)	
Fotino, Maril	11	0	+										29	67	+	+		+						A33,B50,B62	(4)	
Foxcroft, Z.K	15	50	+	+			+	+			+	A23,B7	20	100	+	+	+							B38,B46,B58	(1)	
Gautreaux, Mi	8	???	+										62	???	+	+	+	+	+	+	+	+	+		(3)	
Gideon, Osna	6	100	+										62	100	+	+	+	+	+	+	+	+	+	B60,B41,B71	(3)	
Hahn, Amy B.	26	100	+	+								A3,A26,A11,A33>	16	0	+	+	+							A32	(4)	
Hamdi, Nuha D	20	100	+	+			+					B73,B47	22	100	+	+	+	+	+						(3)	
Han, Hoon Dr	25	???	+	+			+					B44	18	???	+	+	+	+								(3)
Harville, Ter	???	???	+	+	+	+	+	+	+	+	+	B53	???	???	+	+	+	+	+	+	+	+	+		(3)	
Hogan, Patric	10	0	+										21	86	+	+									(1)	
Holdsworth, R	72	???			+	+		+		+	+	A23,A24,B44>	80	???	+	+	+	+		+		+		A28,A32,A33,B7	(5)	
Israel, Shosh	???	???	+	+	+	+	+		+	+		B47,B82	???	???	+	+	+	+		+				6601,6602,A68,B58>	(3)	
Kamoun, Malek	29	???	+	+	+	+	+					BW4	22	???	+	+	+	+								(3)
Klein, Jon MD	7	0	+					+	+				40	???	+	+	+	+	+					B56	(4)	
Klein, Tirza	32	100	+	+	+			+	+		+	A34	64	100	+	+	+	+	+		+			6601,6602,B41,B71>	(3)	
Lardy, N.M. D	31	60	+	+								A23,A24	20	100	+	+	+	+								(2)
Loewenthal M	34	100	+	+			+	+				A34,B47	68	100	+	+	+		+					6601,6602,B60,B41>	()	
MacCann, Eile	28	???	+	+				+	+		+		78	???	+	+	+	+		+				A68,A33,A30,A31,A32	(3)	
Mah, Helen	2	0										???	16	100	+	+	+								(4)	
McAlack, Robe	2	0	+										7	100	+	+	+	+								(5)
McAlack-Bala	6	100	+										14	100	+	+	+	+	+		+				(3)	
McCluskey, Ja	62	0	+	+				+				A31	25	100	+	+									(6)	
Meyer, Pieter	25	???	+	+	+							A33,A1,A68,A23>	18	???	+	+	+	+								(3)
Moore, S. Brea	???	???	+	+	+		+	+	+				???	???	+	+	+	+	+	+	+	+	+	A30	(3)	
Ozawa, Mikki	???	???	+	+	+	+		+					???	???	+	+	+	+	+	+	+	+	+	3001,A203	(3)	
Paik, Young K	???	???	+	+	+	+	+	+					???	???	+	+	+	+	+	+	+	+	+	A30	(6)	
Pais, Maria L	29	???					+					B5,A10	0	0											(3)	
Pereira, Noem	???	???	+		+		+						???	???	+	+	+	+	+		+				(3)	
Permpikul &	1	0										???	8	100	+		+								(1)	
Phelan, Donna	0	0											19	???	+	+	+	+								(6)
Pidwell, Dian	34	67	+	+	+	+		+		+	+	A24,B57	40	100	+	+				+				6601,6602	(2)	
Sage, Deborah	54	???	+	+	+	+	+	+	+		+	A23,A24	66	???	+	+	+	+	+	+	+	+	+	A32,A33,A68	(3)	
Sinnott & Gu	???	???	+	+	+	+		+		+			???	???	+	+	+	+	+	+	+	+	+		(3)	
Smith/MI,	3	???	+										29	???	+	+	+	+								(4)
Suciu-Foca, N	3	0										???	21	83	+	+	+	+							A10	(4)
Sullivan, Kar	2	???				+							23	???	+	+	+	+							A10	(5)
Tagliere, Jac	7	100	+										16	100	+	+									(2)	
Turner, E.V.	???	???	+	+	+	+	+	+		+	+	B53,5C	???	???	+	+	+	+	+	+	+	+	+	B75,1C	(3)	
Ward & Osows	11	???										???	4	???										???	(4)	

*** 55 TYPING LABS ***

A25	76%	0.922
A32	49%	0.900
B52	35%	0.913
B49	33%	0.933
B51	33%	0.913
B77	31%	1.000
B63	25%	1.000
B37	16%	1.000
B38	15%	0.857
B58	11%	1.000
???	9%	1.000
B53	9%	0.833
A23	9%	0.692
A24	7%	0.750
B47	5%	1.000
B5	5%	0.800
A34	4%	1.000
A68	4%	1.000
BW4	4%	1.000
B73	4%	1.000
B44	4%	0.667
B57	4%	0.667
A26	4%	0.625
A11	4%	0.600
A33	4%	0.600

*** 55 TYPING LABS ***

A25	93%	1.000
A26	93%	0.968
A34	78%	0.899
A66	67%	0.981
A11	36%	1.000
B55	36%	1.000
A43	27%	1.000
B42	24%	1.000
A33	9%	0.705
6601	7%	1.000
6602	7%	1.000
A30	7%	1.000
A68	7%	1.000
A32	7%	0.818
A10	5%	1.000
B41	5%	1.000
B46	5%	1.000
B60	5%	1.000
B62	5%	0.750
3001	4%	1.000
A203	4%	1.000
B71	4%	1.000
A29	4%	0.889
B58	4%	0.750

Methods:

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

*** 55 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: All

***** SERUM NO. 977 ***** SERUM NO. 978 *****

	A				A A A			METHOD
	%	%	2		%	%	2 2 3	
POS 8'S	5			POS 8'S	6	5	4	
Cooper, E. Sh	2	???	???	14	80	+	+	(1)
Dunckley, Hea	11	0	+	23	100	+	+	(1)
Esteves Kond	0	0		19	100	+	+	(1)
Foxcroft, Z.K	15	50	+	20	100	+	+	(1)
Hogan, Patric	10	0	+	21	86	+	+	(1)
Permpikul &	1	0	???	8	100	+	+	(1)

***** SERUM NO. 977 ***** SERUM NO. 978 *****

*** 6 TYPING LABS ***

A25	50%	0.692
???	33%	1.000
B7	17%	1.000
B58	17%	1.000
B77	17%	1.000
A32	17%	0.800
B38	17%	0.667
A23	17%	0.500
B49	17%	0.500

*** 6 TYPING LABS ***

A26	100%	0.970
A25	83%	1.000
A34	50%	0.400
A66	17%	1.000
B46	17%	1.000
B38	17%	0.667
B58	17%	0.667

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

***** SERUM NO. 977 ***** SERUM NO. 978 *****

	A A B B A						A A A A				METHOD
	%	%	2	3	5		%	%	2	2	
POS 8'S	5	2	2	1	4	POS 8'S	6	5	6	4	
Dunn, Paul Ph	33	100	+	+	+	33	100	+	+	+	(2)
Lardy, N.M. D	31	60	+	+	+	20	100	+	+	+	(2)
Pidwell, Dian	34	67	+	+	+	40	100	+	+		(2)
Tagliere, Jac	7	100	+			16	100	+	+		(2)

***** SERUM NO. 977 ***** SERUM NO. 978 *****

*** 4 TYPING LABS ***

A25	100%	0.900
A32	75%	0.714
B51	50%	0.667
A24	50%	0.636
B52	50%	0.500
B58	25%	1.000
B63	25%	1.000
A23	25%	0.800
B57	25%	0.500

*** 4 TYPING LABS ***

A25	100%	1.000
A26	100%	1.000
A34	50%	1.000
A66	50%	1.000
6601	25%	1.000
6602	25%	1.000
A11	25%	1.000

*** 4 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: NIH-ext

SERUM NO. 977											SERUM NO. 978											METHOD		
		A	A	B	B	B	B	B	B	B			A	A	A	A	B	A	A	B	A	B	6	
%	%	2	3	7	5	5	4	3	6	5	3	%	%	2	3	2	6	5	1	4	4	3	0	6
POS	8'S	5	2	7	1	2	9	7	3	3	8	POS	8'S	5	4	6	6	5	1	3	2	0	2	
Alvarez & Ca	12 0											A74,A68	34 100	+	+	+							B72,B52,B62	(F-3)
Baker, Judy	15 ???	+		+	+	+							24 ???	+	+	+	+			+				(L-3)
Berka, Noured	10 100	+											48 100	+	+	+						+	6601,B58	(L-3)
Cantwell, Lin	??? ???	+	+	+	+	+				+			??? ???	+	+	+	+	+	+	+			3001,A203	(L-3)
Cohen, Jacques	18 ???	+	+	+	+	+	+	+					20 ???	+	+	+	+	+	+					(L-3)
Darke, Christ	??? ???	+	+	+	+	+	+	+	+	+			??? ???	+	+	+	+	+	+	+	+			(L-3)
Dunn, Paul Ph	??? ???	+	+	+	+	+	+	+	+	+			??? ???	+	+	+	+	+	+	+	+		A2,B75	(L-3)
Eckels/CPMC,	41 ???	+		+									53 ???	+	+	+	+	+			+	+	6601	(LF-3)
Elkhalifa MD	??? ???	+	+	+	+	+	+	+	+	+			??? ???	+	+	+	+	+	+	+	+		A2,A33	(L-3)
Ellis, Thomas	28 ???	+	+				+			+		B5, BW4, B73	59 ???					+					A10,B22	(L-3)
Esteves-Kond	26 0	+											40 100	+		+	+			+			A29,A24	(F-3)
Fotino, Maril	??? ???	+	+	+	+	+	+			+			??? ???	+	+	+	+	+	+	+			A2,A33,A68	(L-3)
Gautreaux, Mi	8 ???	+											62 ???	+	+	+	+	+	+	+	+			(L-3)
Gideon, Osna	6 100	+											62 100	+	+	+	+	+	+		+		B60,B41,B71	(L-3)
Hamdi, Nuha D	20 100	+	+					+				B73, B47	22 100	+	+	+	+	+	+					(L-3)
Han, Hoon Dr	25 ???	+	+					+				B44	18 ???	+	+	+	+							(L-3)
Harville, Ter	??? ???	+	+	+	+	+	+	+	+	+			??? ???	+	+	+	+	+	+	+	+			(L-3)
Hogan, Patric	0 0												8 ???	+	+	+	+	+	+				A2	(L-3)
Israel, Shosh	??? ???	+	+		+	+	+	+	+	+		B47, B58, B82	??? ???	+	+	+			+		+	+	6601, A68, B58>	(L-3)
Kamoun, Malek	29 ???	+	+		+	+	+					BW4	22 ???	+	+	+	+							(L-3)
Klein, Tirza	32 100	+	+	+		+				+		A34, B58	64 100	+	+	+		+				+	6601, B41, B71>	(L-3)
MacCann, Eile	28 ???	+	+						+	+		B58	78 ???	+	+	+	+	+			+		A68, A33, A31>	(L-3)
Mah, Helen	??? ???	+	+	+	+	+	+	+	+	+			??? ???	+	+	+	+	+	+	+	+		A68, A69	(L-3)
McAlack-Bala	6 100	+											14 100	+	+	+	+	+	+					(L-3)
McCluskey, Ja	46 ???	+	+	+				+		+			66 ???	+	+	+		+				+	6601	(L-3)
Meyer, Pieter	25 ???	+	+				+					A33, A1, A68>	18 ???	+	+	+	+							(L-3)
Moore, S. Brea	??? ???	+	+	+			+		+				??? ???	+	+	+	+	+	+	+	+			(L-3)
Ozawa, Mikki	??? ???	+	+	+	+	+							??? ???	+	+	+	+	+	+	+	+		3001, A203	(L-3)
Paik, Young K	25 100	+	+		+	+	+						22 100	+	+	+	+	+						(L-3)
Pais, Maria L	29 ???						+					B5, A10	0 0											(L-3)
Pereira, Noem	??? ???	+		+	+								??? ???	+	+	+	+	+	+					(L-3)
Phelan, Donna	3 ???	+	+	+	+	+	+	+		+		BW4C	8 ???	+	+	+	+	+	+	+				(L-3)
Pidwell, Dian	??? ???	+	+	+	+	+		+	+	+		B57, A24	??? ???	+	+	+	+	+	+					(F-3)
Sage, Deborah	54 ???	+	+	+	+	+		+		+		A23, A24	66 ???	+	+	+	+	+	+				A32, A33, A68	(L-3)
Sinnott & Gu	??? ???	+	+	+	+	+		+					??? ???	+	+	+	+	+	+	+				(L-3)
Smith/MI,	25 ???	+	+	+	+	+		+					22 ???	+	+	+	+		+			+	6601	(L-3)
Suciu-Foca, N	??? ???	+	+	+	+	+							??? ???	+	+	+	+		+	+		+		(L-3)
Turner, E.V.	??? ???	+	+	+	+	+	+	+		+		5C	??? ???	+	+	+	+	+	+	+			B75, 1C	(L-3)
Ward & Osows	40 ???	+	+	+	+	+	+	+		+			46 ???	+	+	+	+	+	+	+	+		A33	(LF-3)

(3) - L-Luminex, F-Flow

***** SERUM NO. 977 ***** SERUM NO. 978 *****

*** 39 TYPING LABS ***

A25	92%	1.000
A32	71%	0.976
B77	61%	1.000
B51	61%	0.923
B49	58%	1.000
B52	58%	1.000
B37	37%	1.000
B63	32%	1.000
B38	24%	1.000
B53	24%	1.000
B58	8%	1.000
A24	5%	1.000
BW4	5%	1.000
B5	5%	1.000
B47	5%	1.000
B73	5%	1.000

*** 39 TYPING LABS ***

A25	95%	1.000
A26	92%	1.000
A34	92%	1.000
A66	82%	1.000
B55	74%	0.967
A11	66%	1.000
A43	63%	1.000
B42	39%	1.000
6601	16%	1.000
6602	16%	1.000
A30	16%	1.000
A68	13%	1.000
A33	13%	0.857
A2	11%	0.667
3001	5%	1.000
A203	5%	1.000
B41	5%	1.000
B58	5%	1.000
B60	5%	1.000
B71	5%	1.000
B75	5%	1.000
A32	5%	0.833

*** 38 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Luminex/Flow

	SERUM NO. 977			SERUM NO. 978				METHOD			
	% POS	% 8'S	A 2	% POS	% 8'S	A 2	A 3		A 4	A 6	
Berka,Noured	0	0		22	100	+	+	+		(4)	
Choo,Yoon MD	5	50	+	75	100	+	+	+	+	A29,A68,A80,A11	(4)
Cooper,E. Sh	2	???	???	14	80	+	+	+			(4)
Dunn,Dale Dr	0	0	+	20	100	+	+	+	+	B46	(4)
Eckels/CPMC,	19	???	MULTI	22	???	+	+	+			(4)
Fotino,Maril	11	0	+	29	67	+	+		+	A33,B50,B62	(4)
Hahn,Amy B.	26	100	+	16	0	+	+	+		A32	(4)
Klein,Jon MD	7	0	+	40	???	+	+	+	+	B55,B56	(4)
Mah,Helen	2	0	???	16	100	+	+		+		(4)
Paik,Young K	3	???	???	26	100	+	+	+	+		(4)
Smith/MI,	3	???	+	29	???	+	+	+			(4)
Suciu-Foca,N	3	0	???	21	83	+	+	+	+	A10	(4)
Ward & Osows	11	???	???	4	???					???	(4)

***** SERUM NO. 977 ***** SERUM NO. 978 *****

*** 13 TYPING LABS ***

A25	46%	0.900
???	38%	1.000
A32	8%	1.000
B63	8%	1.000
B77	8%	1.000
MULTI	8%	1.000
B5	8%	0.750
A11	8%	0.500
A33	8%	0.500
A3	8%	0.429
A26	8%	0.333
A29	8%	0.200

*** 13 TYPING LABS ***

A25	92%	1.000
A26	92%	0.953
A34	77%	0.875
A66	62%	0.917
???	8%	1.000
A10	8%	1.000
A11	8%	1.000
A29	8%	1.000
A32	8%	1.000
A68	8%	1.000
B46	8%	1.000
B55	8%	1.000
B56	8%	1.000
A33	8%	0.667
B50	8%	0.667
B62	8%	0.667
A80	8%	0.500

*** 13 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Antiglobulin

***** SERUM NO. 977 ***** SERUM NO. 978 *****

				B	B	A													
		%	%	6	5	2			A	A	A	A	A	A	A	A			
		POS	8'S	3	1	5			POS	8'S	6	4	6	5	3	2	1	METHOD	
Esteves-Kond	3	???				???			88	50	+	+	+	+	+	+	+	A29,A68,A74	(5)
Hahn,Amy B.	1	0	+	+	+				6	???	+	+	+	+					(5)
Holdsworth,R	72	???	+	+		A23,A24,B38,B44,B52,B53,B57,B58			80	???	+	+	+	+	+	+	+	A28,B7,B42	(5)
McAlack,Robe	2	0			+				7	100	+	+	+	+					(5)
Sullivan,Kar	2	???				B49			23	???	+	+	+	+			A10		(5)

***** SERUM NO. 977 ***** SERUM NO. 978 *****

*** 5 TYPING LABS ***

A25	40%	1.000
B51	40%	1.000
B63	40%	1.000
???	20%	1.000
B38	20%	1.000
B49	20%	1.000
B52	20%	1.000
B57	20%	1.000
B58	20%	1.000
A24	20%	0.833
A23	20%	0.500
B44	20%	0.500
B53	20%	0.500

*** 5 TYPING LABS ***

A25	100%	1.000
A26	100%	1.000
A34	100%	1.000
A66	100%	1.000
A11	40%	1.000
A32	40%	0.800
A33	40%	0.697
A10	20%	1.000
A29	20%	1.000
A68	20%	1.000
A74	20%	1.000
B7	20%	1.000
B42	20%	1.000
A28	20%	0.846

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Elisa

*** 55 TYPING LABS ***

A26	78%	0.972
A25	75%	0.988
A34	69%	0.985
A11	55%	0.986
A66	49%	1.000
A2	49%	0.937
A1	38%	0.946
A32	27%	0.964
A68	27%	0.838
A31	24%	1.000
A29	22%	1.000
A69	18%	0.917
B73	16%	1.000
A10	15%	1.000
A36	15%	1.000
A80	15%	1.000
A28	15%	0.917
A33	15%	0.818
A43	13%	1.000
CW7	11%	1.000
A74	11%	0.875
B7	9%	0.750
A19	7%	1.000
6601	5%	1.000
B38	5%	1.000
B8	5%	0.786
1C	4%	1.000
12C	4%	1.000
5C	4%	1.000
7C	4%	1.000
8C	4%	1.000
A30	4%	1.000
B5	4%	1.000
B49	4%	1.000
CX17	4%	1.000
B18	4%	0.786
B39	4%	0.636

*** 55 TYPING LABS ***

A11	91%	0.876
A26	80%	0.964
A25	78%	0.988
A34	65%	0.908
A66	53%	1.000
A3	40%	0.980
A68	29%	0.926
A33	27%	0.909
A74	25%	1.000
A30	22%	1.000
A32	22%	1.000
A1	22%	0.878
A29	20%	0.914
A31	18%	0.778
A10	16%	1.000
B7	16%	0.786
A43	15%	1.000
A19	13%	0.979
A69	11%	1.000
A36	11%	0.875
B41	11%	0.857
A28	9%	1.000
A80	9%	1.000
B42	9%	1.000
6601	7%	1.000
6602	7%	1.000
B8	7%	0.778
B60	5%	1.000
B73	4%	1.000

Methods:

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

*** 55 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: All

***** SERUM NO. 979 ***** SERUM NO. 980 *****

	%	%	A	A	A	A			%	%	A	A	A	A	A		METHOD
	POS	8'S	3	2	2	6			POS	8'S	3	2	1	2	6		
Cooper, E. Sh	22	80	+	+	+				24	40	+	+	+	+	+		(1)
Dunckley, Hea	55	50	+	+	+	+			33	17	+	+	+	+	+		(1)
Esteves Kond	27	100	+	+	+				47	94	+	+	+	+	+		(1)
Foxcroft, Z.K	28	50	+	+	+	+	B38, B46, B53, B73		31	36	+	+	+	+	+	B46, B58, CX18	(1)
Hogan, Patric	20	86	+	+	+		A68		20	17	+	+	+	+			(1)
Permpikul &	15	100	+	+			B39		26	56	+	+	+				(1)

***** SERUM NO. 979 ***** SERUM NO. 980 *****

*** 6 TYPING LABS ***

A34	100%	0.941
A26	100%	0.939
A25	83%	1.000
A66	33%	1.000
B38	17%	1.000
B46	17%	1.000
B53	17%	1.000
B73	17%	1.000
B39	17%	0.429
A68	17%	0.200

*** 6 TYPING LABS ***

A26	100%	0.935
A11	100%	0.683
A34	100%	0.625
A25	83%	0.941
A66	67%	1.000
B58	17%	1.000
CX18	17%	1.000
B46	17%	0.667

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

***** SERUM NO. 979 ***** SERUM NO. 980 *****

	%	%	A	A	A	A			%	%	A	A	A	A	A	A		METHOD
	POS	8'S	2	2	3	6	A		POS	8'S	2	2	1	3	6	3	A	2
Dunn, Paul Ph	58	100	+	+	+	+	A68		65	100	+	+	+	+	+	+		(2)
Lardy, N.M. D	62	100	+	+	+	+	A30, A32, A33, A74		41	100	+	+	+	+	+	+	A33	(2)
Pidwell, Dian	60	91	+	+	+	+	CW7, CX17, 6601		66	100	+	+	+	+	+	+	6601, 6602, A30, A74	(2)
Tagliere, Jac	24	100	+	+			B38		29	86	+	+	+			B38	(2)	

***** SERUM NO. 979 ***** SERUM NO. 980 *****

*** 4 TYPING LABS ***

A25	100%	1.000
A26	100%	1.000
A34	75%	1.000
A66	50%	1.000
A2	50%	0.786
6601	25%	1.000
A30	25%	1.000
A68	25%	1.000
B38	25%	1.000
CX17	25%	1.000
CW7	25%	1.000
A32	25%	0.667
A74	25%	0.500
A33	25%	0.333

*** 4 TYPING LABS ***

A11	100%	1.000
A25	100%	1.000
A26	100%	1.000
A31	75%	0.600
A3	50%	1.000
A34	50%	1.000
A66	50%	1.000
A29	50%	0.700
6601	25%	1.000
6602	25%	1.000
A30	25%	1.000
A74	25%	1.000
B38	25%	1.000
A33	25%	0.500

*** 4 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: NIH-ext

	% POS 8'S		A 1	A 2	A 3	A 4	A 5	A 6	A 7	A 8	A 9	A 10	A 11	A 12	A 13	A 14	A 15	A 16	A 17	A 18	A 19	A 20	METHOD		
	%	POS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Alvarez & Ca	78	100																						A32,A68,B38 (F-3)	
Baker, Judy	98	???	+	+	+	+	+																		A29,A32,A33 (L-3)
Berka, Noured	98	100	+	+	+																				A33,B8,A32,B39> (L-3)
Cantwell, Lin	???	???	+	+	+	+	+																		CW7,A80 (L-3)
Cohen, Jacques	95	???	+		+		+																		A36,A80,A28> (L-3)
Darke, Christ	???	???	+	+	+	+	+	+																	A68,A69,A29 (L-3)
Dunn, Paul Ph	???	???	+	+	+	+	+	+	+																CW7,A36 (L-3)
Eckels/CPMC,	99	???	+	+	+	+																			A29,A30,A32> (LF-3)
Elkhalifa MD	???	???	+	+	+	+		+	+	+															CW7,A36 (L-3)
Ellis, Thomas	100	???	+																						A10,A28,A33,B5> (L-3)
Esteves-Kond	99	60	+	+		+	+	+																	A32,A33,A29> (F-3)
Fotino, Maril	???	???	+	+	+	+	+																		A29,A32,A33 (L-3)
Gautreaux, Mi	100	???	+		+	+	+	+	+																A69,A33,A68> (L-3)
Gideon, Osna	100	???	+	+	+	+																			CW4,CX15,A29> (L-3)
Hamdi, Nuha D	98	100	+				+																		60 ??? (L-3)
Han, Hoon Dr	75	???	+	+		+																			A68 (L-3)
Harville, Ter	???	???	+	+	+			+	+	+	+	+													A69,CW7,A68 (L-3)
Hogan, Patric	55	???	+	+	+	+	+																		B71,B8,B55,B72> (L-3)
Israel, Shosh	???	???	+	+	+	+																			A36,A80,A10> (L-3)
Kamoun, Malek	98	???	+					+																	6601,6602,A69> (L-3)
Klein, Tirza	98	100	+	+	+	+																			A36,A19,A9 (L-3)
MacCann, Eile	100	???	+	+	+	+		+	+																A74,A68,A32 (L-3)
Mah, Helen	???	???	+	+	+	+	+																		89 100 (L-3)
McAlack-Bala	99	100	+	+	+	+	+																		6601 (L-3)
McCluskey, Ja	100	???	+	+	+	+		+																	12C,8C,7C,5C> (L-3)
Meyer, Pieter	96	???	+	+	+	+																			93 ??? (L-3)
Moore, S. Brea	???	???	+	+	+	+	+	+																	???
Ozawa, Mikki	???	???	+	+	+	+	+																		A80,A74 (L-3)
Paik, Young K	96	???	+						+	+															A10,A28,A19,B5> (L-3)
Pais, Maria L	93	???	+																						A28,A19 (L-3)
Pereira, Noem	???	???	+	+	+	+	+	+																	CW7,A80 (L-3)
Phelan, Donna	68	???	+																						A28,1C,5C,B7> (L-3)
Pidwell, Dian	???	???	+	+	+	+	+																		CW7,CX17,A69> (L-3)
Sage, Deborah	100	???	+	+	+	+	+	+																	A29,A30 (L-3)
Sinnott & Gu	???	???	+	+	+	+	+	+																	A36,A80,A32 (L-3)
Smith/MI,	98	???	+	+	+	+	+																		6601,CW7,A80 (L-3)
Suciu-Foca, N	???	???	+	+	+	+	+	+																	A80,A74 (L-3)
Turner, E.V.	???	???	+	+	+	+	+																		5C,7C,8C,12C> (L-3)
Ward & Osows	99	???	+	+	+	+	+	+																	CW7,A80,A74 (LF-3)

(3) - L-Luminex, F-Flow

***** SERUM NO. 979 ***** SERUM NO. 980 *****

*** 39 TYPING LABS ***

A11	82%	0.984
A26	79%	1.000
A34	74%	1.000
A25	74%	0.972
A2	68%	1.000
A66	55%	1.000
A1	47%	0.929
A43	34%	1.000
A31	32%	1.000
B73	32%	1.000
A32	29%	1.000
A68	26%	1.000
A80	26%	1.000
CW7	24%	1.000
A29	21%	1.000
A33	21%	1.000
A36	18%	1.000
A69	18%	1.000
A74	18%	1.000
A28	13%	1.000
6601	11%	1.000
A10	11%	1.000
A19	8%	1.000
B8	8%	1.000
1C	5%	1.000
5C	5%	1.000
6602	5%	1.000
A30	5%	1.000
B5	5%	1.000
B7	5%	1.000
B38	5%	1.000
B39	5%	1.000
CX17	5%	1.000

*** 39 TYPING LABS ***

A11	89%	0.970
A25	76%	1.000
A26	76%	1.000
A34	66%	1.000
A66	55%	1.000
A68	50%	1.000
A33	45%	1.000
A3	42%	1.000
A30	37%	1.000
A43	37%	1.000
A74	32%	1.000
A1	29%	1.000
A32	26%	1.000
B7	24%	0.769
A29	21%	1.000
A31	18%	1.000
B42	18%	1.000
A10	16%	1.000
A36	16%	1.000
A69	16%	1.000
6601	13%	1.000
6602	13%	1.000
A19	13%	1.000
A80	13%	1.000
B41	13%	0.833
A28	8%	1.000
B8	8%	0.750
B73	5%	1.000

*** 38 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Luminex/Flow

	SERUM NO. 979										SERUM NO. 980										METHOD						
	%	%	A	A	A	A	A	A	A	A	%	%	A	A	A	A	A	A	A	A							
	POS	8'S	2	2	3	6	2	8	2	9	1	1	POS	8'S	1	6	5	6	4	3	4	3	3	1			
Berka,Noured	67	96	+	+	+	+	+	+					A69	63	86	+	+	+	+					A1,A36	(4)		
Choo,Yoon MD	95	100	+	+	+	+			+	+		+	A74	95	100	+	+	+	+	+	+		+		A29	(4)	
Cooper,E. Sh	22	80	+	+	+									24	40	+	+	+	+	+						(4)	
Dunn,Dale Dr	22	100	+	+	+	+							B7	30	60	+	+	+	+	+						(4)	
Eckels/CPMC,	93	???											MULTI	93	???										MULTI	(4)	
Fotino,Maril	43	100	+	+		+							B39,B58,B7,B8>	30	57	+	+	+	+							(4)	
Hahn,Amy B.	86	92					+				+		A10,A28	65	88	+				+				+	A1,A19	(4)	
Klein,Jon MD	97	???	+	+	+	+		+	+	+	+		A74,A69	95	???	+	+	+	+	+	+		+		A68,A69,A30	(4)	
Mah,Helen	64	33	+	+		+		+					B7,B8,B18,A31	66	0	+	+	+	+		+	+			A29,B35	(4)	
Paik,Young K	93	28									+	+	A10,A19,A28	91	50	+				+				+	A1,A19,A28	(4)	
Smith/MI,	72	???	+	+	+		+	+		+	+		A69	41	???	+	+	+	+	+	+						(4)
Suciu-Foca,N	48	36	+	+	+	+	+		+	+	+		A10	59	53	+	+	+	+	+	+		+		+	A28,B8	(4)
Ward & Osows	82	100	+	+	+	+							CW7	75	100	+	+	+	+		+	+	+		A68	(4)	

*** 13 TYPING LABS ***

A25	77%	1.000
A26	77%	0.971
A34	62%	1.000
A66	46%	1.000
A2	46%	0.972
A1	31%	1.000
A29	31%	1.000
A32	31%	1.000
A11	31%	0.966
A68	31%	0.909
A10	23%	1.000
A69	23%	0.750
B7	23%	0.696
A74	15%	1.000
A28	15%	0.900
B18	15%	0.786
B8	15%	0.769
A19	8%	1.000
A31	8%	1.000
B39	8%	1.000
B58	8%	1.000
CW7	8%	1.000
MULTI	8%	1.000

*** 13 TYPING LABS ***

A11	92%	0.987
A25	77%	1.000
A26	77%	0.971
A66	62%	1.000
A34	62%	0.950
A3	31%	1.000
A10	23%	1.000
A32	23%	1.000
A74	23%	1.000
A33	23%	0.875
A1	23%	0.769
A28	15%	1.000
A29	15%	1.000
A19	15%	0.978
A68	15%	0.833
A30	8%	1.000
A69	8%	1.000
B8	8%	1.000
B35	8%	1.000
MULTI	8%	1.000
A36	8%	0.667

*** 13 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Antiglobulin

***** SERUM NO. 979 ***** SERUM NO. 980 *****

***** SERUM NO. 979 *****											***** SERUM NO. 980 *****											METHOD				
%	%	A	A	A	A	A	A	A	A	A	%	%	A	A	A	A	A	A	A	A	A					
POS	8'S	1	2	3	3	2	2	2	A	6	6	POS	8'S	1	3	6	5	3	2	1	8	6	4			
Esteves-Kond	87	67	+	+	+		+	+		+	+	A34,A30,A74	94	25	+	+	+	+	+	+	+	+	+	+	(5)	
Hahn,Amy B.	27	???	+	+	+		+			+		A10,A80,A19>	24	???	+	+				+					A10,A28,A19,B7>	(5)
Holdsworth,R	93	100	+	+		+	+	+	+	+		A29,A31,A33	93	???	+	+	+	+	+						A28,A29,A30>	(5)
McAlack,Robe	33	0	+	+				+	+		+	A34,A69	50	100	+		+	+	+			+	+	+	A69	(5)
Sullivan,Kar	91	???	+	+	+	+	+			+		A10,A29,A31>	77	???	+	+	+	+		+	+				A10,A29,A30>	(5)

***** SERUM NO. 979 ***** SERUM NO. 980 *****

*** 5 TYPING LABS ***

A11	100%	1.000
A2	80%	1.000
A1	60%	1.000
A25	60%	1.000
A26	60%	1.000
A28	60%	1.000
A32	60%	1.000
A36	60%	1.000
A10	40%	1.000
A29	40%	1.000
A31	40%	1.000
A33	40%	1.000
A34	40%	1.000
A66	40%	1.000
A68	40%	1.000
7CREG	20%	1.000
8CREG	20%	1.000
A19	20%	1.000
A69	20%	1.000
A74	20%	1.000
A80	20%	1.000
A30	20%	0.750

*** 5 TYPING LABS ***

A11	100%	1.000
A3	80%	1.000
A25	80%	1.000
A26	80%	1.000
A32	60%	1.000
A33	60%	1.000
A1	60%	0.909
A10	40%	1.000
A28	40%	1.000
A29	40%	1.000
A30	40%	1.000
A31	40%	1.000
A34	40%	1.000
A66	40%	1.000
A68	40%	1.000
A19	20%	1.000
A36	20%	1.000
A69	20%	1.000
A80	20%	1.000
B7	20%	1.000
B8	20%	1.000

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Elisa

***** SERUM NO. 981 ***** SERUM NO. 982 *****

*** 52 TYPING LABS ***

A24	92%	0.915
A23	83%	0.922
B35	50%	0.833
B51	46%	0.902
B53	40%	1.000
B78	37%	1.000
A25	35%	0.955
B52	31%	0.957
B75	19%	1.000
B71	13%	1.000
B18	10%	0.833
B5	8%	1.000
CW4	8%	0.889
A9	6%	1.000
A80	6%	1.000
B37	6%	1.000
???	4%	1.000
B77	4%	1.000
A36	4%	0.750
A69	4%	0.667
B7	4%	0.500

*** 52 TYPING LABS ***

A24	88%	0.976
A23	88%	0.935
A32	50%	0.911
A25	48%	1.000
A1	31%	1.000
B53	27%	0.947
B51	23%	1.000
B58	23%	0.947
B57	21%	1.000
B38	17%	1.000
B49	17%	1.000
B27	17%	0.786
A11	15%	1.000
BW4	13%	0.919
B52	12%	1.000
B63	12%	0.875
A80	8%	1.000
B59	8%	1.000
B44	8%	0.875
B37	8%	0.833
A36	6%	1.000
B7	6%	1.000
B77	6%	1.000
A9	6%	0.889
A3	6%	0.875
A30	6%	0.846
A26	4%	1.000
A29	4%	1.000
A34	4%	1.000
A10	4%	0.889
A68	4%	0.615

Methods:

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

*** 53 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: All

***** SERUM NO. 981 ***** SERUM NO. 982 *****

SERUM NO. 981				SERUM NO. 982				METHOD
%	%	A	A	%	%	A	A	
POS	8'S	4	3	POS	8'S	4	3	
Cooper, E. Sh	3	0	???	26	73	+	+	(1)
Dunckley, Hea	19	57	+	25	78	+	+	(1)
Esteves Kond	17	75	+	23	100	+	+	(1)
Foxcroft, Z.K	35	1	+	36	75	+	+	(1)
Permpikul &	21	93	+	22	100	+		(1)
Suciu-Foca, N	27	33	+	21	50	+	+	(1)

*** 6 TYPING LABS ***

A24	83%	0.818
A23	50%	0.625
???	17%	1.000
A25	17%	1.000
A69	17%	1.000
B53	17%	1.000
A9	17%	0.890
A30	17%	0.857

*** 6 TYPING LABS ***

A24	100%	0.939
A23	83%	0.941
A69	17%	1.000
A74	17%	1.000
B58	17%	1.000
A30	17%	0.857

*** 6 LABORATORIES REPLIED **

Method: NIH-std

***** SERUM NO. 981 ***** SERUM NO. 982 *****

SERUM NO. 981				SERUM NO. 982					METHOD
%	%	A	A	%	%	A	A	A	
POS	8'S	4	3	POS	8'S	4	3	5	
Dunn, Paul Ph	40	100	+	48	100	+	+	+	
Fotino, Maril	10	???	???	24	44	+	+	+	
Israel, Shosh	26	100	+	30	100	+	+		
Lardy, N.M. D	26	100	+	30	100	+	+		
Pidwell, Dian	20	100	+	37	100	+	+	+	
Tagliere, Jac	20	100	+	33	100	+	+		

*** 6 TYPING LABS ***

A24	83%	1.000
A23	67%	0.786
???	17%	1.000
B51	17%	1.000

*** 6 TYPING LABS ***

A24	100%	0.978
A23	100%	0.880
A25	50%	1.000
A32	33%	0.750
B27	17%	1.000
B50	17%	1.000
B44	17%	0.800

*** 6 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: NIH-ext

	SERUM NO. 981											SERUM NO. 982											METHOD	
	%	%	A	A	B	B	B	B	A	B	B	%	%	A	A	A	A	B	B	B	B	B		
POS	8'S	4	3	5	1	3	8	2	5	5	1	POS	8'S	4	3	2	5	3	8	1	7	1	8	
Alvarez & Ca	33	33	+	+	+							B54	46	66	+	+					+	+	A11	(F-3)
Baker, Judy	44	???	+	+	+	+	+	+	+	+	+		87	???	+	+	+	+					BW4	(L-3)
Berka, Noured	72	???	+	+	+	+	+	+				B60, B7	88	???	+	+	+	+		+			B44, B63, B60, B7>	(L-3)
Burger, Joe	10	100	+	+	+	+	+				+	CW4	24	100	+	+	+	+	+		+	+	B63, B27, B49	(L-3)
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	B59, B77	(L-3)
Darke, Christ	???	???	+	+								2403	???	???	+	+	+	+			+	+	2403, A80, B52>	(L-3)
Dunn, Paul Ph	???	???	+	+	+	+	+	+	+	+	+	CW4	???	???	+	+	+	+	+	+	+	+	B49, B52	(L-3)
Eckels/CPMC,	75	???	+	+	+	+	+	+	+	+	+	B18, B77	89	???	+	+	+	+		+			A11, A26, A34>	(LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+	+	CW4	???	???	+	+	+	+	+	+	+	+	B49	(L-3)
Ellis, Thomas	74	???			+	+				+		A9, B5, B18	90	???		+	+						A9, BW4, A29	(LF-3)
Fotino, Maril	???	???	+	+	+	+	+	+	+	+	+	CW4, B18	???	???	+	+	+	+	+	+	+	+	A80, B27, B37>	(L-3)
Hamdi, Nuha D	45	100	+	+	+	+		+	+			B49, A36, CW4>	91	100						+			CX17, B63, CW8>	(L-3)
Han, Hoon Dr	22	???	+	+								B37, B41, B59	62	???	+	+	+					+	B37, B41, B44>	(L-3)
Harville, Ter	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	B49	(L-3)
Kamoun, Malek	49	???	+	+	+	+	+	+	+	+	+		89	???	+	+	+						BW4	(L-3)
Klein, Tirza	50	100	+	+	+	+	+			+		B77, B60, A80>	86	100	+	+	+	+	+		+		B77, B60, B52>	(L-3)
MacCann, Eile	70	???	+	+	+	+	+	+	+	+	+	A80	100	???	+	+	+	+		+			A36, A80, BW4	(L-3)
Mah, Helen	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	B77, B37	(L-3)
McAlack-Bala	52	100	+	+	+	+	+	+		+		B18	90	100	+	+	+	+	+		+	+	B63, B27	(L-3)
Meyer, Pieter	42	???	+	+								A80, A32, A3, A68>	89	???	+	+	+		+		+	+	A3, A11, B49, B59	(L-3)
Moore, S. Brea	???	???	+	+	+	+	+		+			B77, B15	???	???	+	+	+	+		+	+	+	B49, B63, B77	(L-3)
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	B27, B59	(L-3)
Paik, Young K	42	100	+	+	+	+	+	+	+	+	+		93	100	+	+							BW4	(L-3)
Pais, Maria L	40	???			+							A9, B5	60	???									A9, A11, B5, A10	(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	B27, B59	(L-3)
Phelan, Donna	13	???	+	+	+	+	+	+	+	+	+		39	???						+			BW4C, A36, A11>	(L-3)
Pidwell, Dian	???	???	+	+	+	+	+	+	+	+	+	CW4	???	???	+	+	+	+	+	+	+	+	CW7, B52	(F-3)
Rosen-Bronso	75	100	+	+	+	+	+	+	+	+	+	B37	94	100	+	+	+	+	+	+	+	+	B37, B52, B27	(F-3)
Sage, Deborah	90	???	+	+	+	+	+	+	+	+	+		96	???	+	+	+	+		+			A80, BW4, B7, B76>	(L-3)
Sinnott & Gu	10	???	+	+	+	+	+	+	+	+	+		40	???	+	+	+	+	+	+	+	+	A80, A11, B52	(L-3)
Smith/MI,	49	???	+	+	+	+	+	+	+	+	+		89	???	+	+	+	+	+	+	+	+	B77, B27	(L-3)
Suciu-Foca, N	100	100	+	+	+	+	+	+	+	+	+	B18	100	100	+	+				+	+	+	B77, B59, B37>	(L-3)
Sullivan, Kar	???	???	+	+	+	+		+	+			B18, B37, B5	???	???	+	+	+	+		+			A11, A26, A34>	(L-3)
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	+	CW4	???	???	+	+	+	+	+	+	+	+	B52, B49, B27	(L-3)
Ward & Osows	62	???	+	+	+	+	+	+	+	+	+	A31, A30	86	???	+	+	+	+	+	+	+	+	B59, 2705, CW7	(LF-3)

(3) - L-Luminex, F-Flow

***** SERUM NO. 981 ***** SERUM NO. 982 *****

*** 35 TYPING LABS ***

A24	94%	1.000
A23	94%	0.963
B35	91%	0.978
B51	83%	1.000
B53	80%	1.000
B78	77%	1.000
B52	69%	1.000
A25	63%	1.000
B75	40%	1.000
B71	34%	1.000
CW4	20%	0.917
B18	17%	1.000
A80	9%	1.000
B5	9%	1.000
B37	9%	1.000
B77	9%	1.000
A9	6%	1.000
B60	6%	1.000
A36	6%	0.750

*** 35 TYPING LABS ***

A23	89%	1.000
A24	89%	1.000
A25	77%	1.000
A32	77%	1.000
B53	43%	1.000
A1	40%	1.000
B38	40%	1.000
B51	34%	1.000
B57	34%	1.000
B58	31%	1.000
B49	29%	1.000
A11	23%	1.000
B52	23%	1.000
B27	23%	0.900
A80	17%	1.000
BW4	17%	1.000
B59	17%	1.000
B63	17%	1.000
B77	17%	1.000
B37	14%	1.000
B44	14%	1.000
A36	11%	1.000
B7	9%	1.000
CW7	9%	0.942
A3	6%	1.000
A9	6%	1.000
A26	6%	1.000
A29	6%	1.000
A34	6%	1.000
B42	6%	1.000
B60	6%	1.000

*** 35 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Luminex/Flow

***** SERUM NO. 981 ***** SERUM NO. 982 *****

	SERUM NO. 981				SERUM NO. 982										METHOD				
	%	%	A 2	A 3	B 5	B 3	%	%	A 2	A 3	B 4	B 8	B 5	B 7		A 3	B 5	B 4	A 2
Baker, Judy	19	75	+	+			29	100	+	+									(4)
Berka, Noured	17	33	+	+			43	100	+	+		+	+						(4)
Dunn, Dale Dr	10	0	+				20	100	+	+									(4)
Eckels/CPMC,	40	???	+	+		A9	83	???			+								(4)
Fotino, Maril	4	???				???	27	50	+	+									(4)
Hahn, Amy B.	23	50	+	+	+	+	61	45			+			+					(4)
Klein, Jon MD	48	???	+	+			7	25	+										(4)
Mah, Helen	20	100	+	+			50	100	+	+		+	+	+					(4)
Paik, Young K	26	42	+	+			62	100	+	+	+							+	(4)
Smith/MI,	21	???	+				26	???	+	+									(4)
Suciu-Foca, N	34	90	+	+		+	41	83	+	+				+	+		+	+	(4)
Ward & Osows	53	100	+	+	+	B5, B53	83	100	+	+		+	+	+	+				(4)

***** SERUM NO. 981 ***** SERUM NO. 982 *****

*** 12 TYPING LABS ***

A24	92%	0.909
A23	75%	0.939
B51	17%	0.750
B35	17%	0.709
???	8%	1.000
A9	8%	1.000
B5	8%	0.890
B53	8%	0.740

*** 12 TYPING LABS ***

A23	83%	0.893
A24	75%	1.000
B57	25%	1.000
A32	25%	0.898
B58	25%	0.833
BW4	25%	0.825
A25	17%	1.000
B49	17%	1.000
B53	17%	0.745
A1	8%	1.000
B7	8%	1.000
B51	8%	1.000
B35	8%	0.890
A10	8%	0.875
A9	8%	0.857
B5	8%	0.740
B27	8%	0.740
B17	8%	0.690
B37	8%	0.667

*** 12 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Antiglobulin

***** SERUM NO. 981 ***** SERUM NO. 982 *****

***** SERUM NO. 981 *****										***** SERUM NO. 982 *****										METHOD
		A	A	B	B	B	B	B	A			A	A	A	A		B	B		
%	%	2	2	5	5	3	7	5	2	%	%	2	2	3	2	A	B	5	3	
POS	8'S	4	3	2	1	5	8	3	5	POS	8'S	4	3	2	5	1	7	7	8	
Choo, Yoon MD	18 40	+	+							75 100	+	+			+				A2, A3, A68	(5)
Hahn, Amy B.	5 ???	+	+	+	+	+	+	+		27 ???	+	+	+	+	+	+			BW4, B67, B42, B81	(5)
Holdsworth, R	67 100	+	+	+	+	+			+ A31, B7, B18, B45	88 100	+	+	+	+	+	+			A30, B13, B27, B37	(5)
McAlack, Robe	18 100	+	+	+	+	+	+	+	+ B75	38 100	+	+	+			+	+		B53, B63, B58, B51, B52	(5)
Paik, Young K	??? ???	+	+							??? ???	+	+	+	+		+	+			(5)

***** SERUM NO. 981 ***** SERUM NO. 982 *****

*** 5 TYPING LABS ***

A23	100%	1.000
A24	100%	1.000
B35	60%	1.000
B51	60%	1.000
B52	60%	0.857
A25	40%	1.000
B53	40%	1.000
B78	40%	1.000
B7	20%	1.000
B45	20%	1.000
B75	20%	1.000
A31	20%	0.655
B18	20%	0.500

*** 5 TYPING LABS ***

A23	100%	1.000
A24	100%	1.000
A32	80%	1.000
A1	60%	1.000
A25	60%	1.000
B7	40%	1.000
B38	40%	1.000
B57	40%	1.000
BW4	20%	1.000
B13	20%	1.000
B27	20%	1.000
B37	20%	1.000
B42	20%	1.000
B51	20%	1.000
B52	20%	1.000
B53	20%	1.000
B58	20%	1.000
B63	20%	1.000
B67	20%	1.000
B81	20%	1.000
A30	20%	0.800
A2	20%	0.778
A68	20%	0.750
A3	20%	0.667

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Elisa

	%	%	A 2	A 3	B 4	B 5	B 6	B 7	B 8	B 9	B 10	B 11	B 12	B 13	%	%	A 4	A 3	A 2	A 6	A 6	B 6	A 8	B 7	B 7	METHOD	
	POS	8'S	3	4	5	5	2	1	4	1	6	3			POS	8'S	4	3	2	8	9	2	1	0	5	6	
Alvarez & Ca	44	66	+	+						+				B18,B63	100	???										???	(3)
Baker, Judy	34	100	+	+											57	87	+	+	+							B8,B57	(4)
Berka, Noured	38	100	+	+	+	+				+		+			60	96	+	+	+	+		+				B35	(4)
Burger, Joe	94	100	+	+	+	+	+		+			+		B82,CW18,CW8	100	100	+	+	+	+	+	+		+	+	CW8,B13	(3)
Cantwell, Lin	???	???	+	+	+	+	+			+	+			8201,A80,B75	???	???	+	+	+		+	+	+	+	+	B77,CW8	(3)
Choo, Yoon MD	70	100	+	+				+						A68,A2	85	100	+	+	+	+			+			(5)	
Cohen, Jacque	NT														NT											()	
Cooper, E. Sh	10	100	+	+											28	100	+	+								(1)	
Darke, Christ	???	???	+	+		+		+	+	+				2403,A80,B52>	???	???	+	+	+	+	+		+			2403,B13,B51>	(3)
Dunckley, Hea	20	11	+	+											33	100	+	+	+							(1)	
Dunk, Arthur	33	100	+	+		+				+					48	100	+	+	+							(6)	
Dunn, Dale Dr	5	100	+												27	0	+	+						+		B35,B52	(4)
Dunn, Paul Ph	22	100	+	+											56	90	+	+	+			+				(2)	
Eckels/CPMC	65	???												MULTI	92	???										MULTI	(4)
Elkhalifa MD	???	???	+		+	+		+	+		+	+		B82,CX14,CX16	???	???	+	+	+			+	+	+	+	B71,B35	(3)
Ellis, Thomas	99	???			+		+							A9,B5,B70,B18>	97	???						+				A9,B5,B21,B63>	(3)
Esteves Kond	13	100	+												26	100	+	+								(1)	
Fotino, Maril	6	100	+												18	100	+	+								A25	(2)
Foxcroft, Z.K	20	100	+	+		+					+			A26,B73	31	100	+	+								A30	(1)
Gautreaux, Mi	100	???	+	+	+	+	+					+		B75,B78	100	???	+	+	+		+		+			B53,B63,B35	()
Hahn, Amy B.	50	86			+								+	A9,B5,B15	75	80			+	+						B12,B35,A9,A11>	(4)
Hamdi, Nuha D	82	100	+	+			+	+	+	+				CW4,B73,CW5>	98	100			+							A11,CW2,A29>	(3)
Han, Hoon Dr	60	???	+	+		+	+			+				B37,B41,B52	69	???	+	+								B13,B37,B41>	(3)
Harville, Ter	???	???			+	+	+		+	+	+	+		B82,B75	???	???	+	+	+			+	+	+	+	B71,B13	(3)
Holdsworth, R	92	100	+	+	+			+						A28,B7,B18,B27>	93	100	+	+	+				+			A28,A32,B44>	(5)
Israel, Shosh	29	100	+	+										A26	29	100	+	+								(2)	
Kamoun, Malek	82	???	+	+	+		+				+	+		B52,B78,B71>	98	???	+	+	+	+	+		+			A36,A11,B57>	(3)
Klein, Jon MD	93	???	+	+										A2,A32	79	???	+	+	+	+	+					B57,B58,A32>	(4)
Klein, Tirza	76	100	+	+				+	+	+				A80,A29,A36>	72	100	+	+	+	+	+		+			B77,B60,B38>	(3)
Lardy, N.M. D	26	100	+	+											43	100	+	+				+		+		(2)	
MacCann, Eile	100	???	+	+	+		+				+			A80,B12,B15	100	???	+	+	+				+			A28,B15,B35,A3>	(3)
Mah, Helen	61	100	+	+	+		+		+	+		+		A11	73	100	+	+	+	+		+				B60,B61,B13	(4)
McAlack, Robe	45	100	+	+	+	+	+		+	+		+		B52,B18	60	100	+	+	+	+	+	+		+		B57,B35	(5)
McAlack-Bala	84	100	+	+	+	+	+				+			B82,B82,B75	97	100	+	+	+	+	+	+		+	+	(3)	
McCluskey, Ja	27	33	+	+											45	100	+	+								(6)	
Meyer, Pieter	76	???	+	+		+	+	+		+				A80,A31,B72>	98	???	+	+	+	+	+		+			A31,A32,A29>	(3)
Moore, S. Brea	???	???	+	+	+	+	+		+	+				B82,B78	???	???	+	+	+	+		+		+		B77,B57,B63	(3)
Ozawa, Mikki	65	???	+	+		+	+		+	+	+			B82,A80,B75	???	???	+	+	+	+		+	+	+		B77,B13	(3)
Paik, Young K	???	???	+	+	+		+							A2,A68,A69,A80>	???	???	+	+	+	+	+		+			A25,A32,B8,B13	(6)
Pais, Maria L	67	???			+				+					A9,B5,B15	76	???			+			+				A9,B13,B15	(3)
Pereira, Noem	???	???	+	+	+	+	+		+	+				B82,A80,B75	???	???	+	+	+			+	+	+	+	B77,CW8,CW5	(3)
Permpikul &	18	73		+								+			32	100	+								+	B38,B77	(1)
Phelan, Donna	84	???												???	91	???			+			+				A28,A9,B5C	(6)
Pidwell, Dian	26	100	+	+										A29	37	100	+	+	+							(2)	
Rosen-Bronso	97	100	+	+	+	+	+				+	+		B37,B78,B75	97	100	+	+	+	+		+	+	+	+	B18,B35	(3)
Sage, Deborah	100	???	+	+			+	+						A80,B5,B12,B71>	100	???	+	+	+	+	+		+	+		B51,B52,B8	(3)
Sinnott & Gu	49	???	+	+	+		+			+				A80,A2,A68,B52>	50	???	+	+	+	+	+		+	+		B51,B52,B78	(3)
Smith/MI,	35	???	+	+		+					+			B73	57	???	+	+	+	+		+				B57	(4)
Suciu-Foca, N	20	48	+	+											20	80	+	+								(6)	
Sullivan, Kar	???	???	+	+				+						A2,A9,A68,A69>	???	???	+	+	+	+	+		+	+		A9,A32,A28	(3)
Tagliere, Jac	26	67	+	+											29	100	+	+								(2)	
Turner, E.V.	???	???	+	+	+	+		+	+	+	+			A80,B82	???	???	+	+	+	+	+		+	+		B57,B35,B53	(3)
Ward & Osows	90	100	+	+	+	+	+		+			+		B78,B18	97	100	+	+	+	+	+					B50,B13,B57	(4)

*** 52 TYPING LABS ***

A23	87%	0.972
A24	83%	0.789
B35	42%	0.926
B45	38%	0.939
B62	33%	1.000
A1	31%	0.950
B44	29%	0.929
B51	27%	1.000
B76	25%	1.000
A80	23%	1.000
B53	23%	0.913
B82	17%	1.000
B75	15%	1.000
B18	13%	1.000
B78	13%	1.000
B52	12%	1.000
B37	10%	1.000
A2	10%	0.833
A9	8%	1.000
B5	8%	1.000
A68	8%	0.750
B72	6%	1.000
B73	6%	1.000
B15	6%	0.923
A28	4%	1.000
A69	4%	1.000
B12	4%	1.000
B38	4%	1.000
B71	4%	1.000
CX16	4%	1.000
A26	4%	0.545
A29	4%	0.500

*** 52 TYPING LABS ***

A24	87%	0.972
A23	85%	0.962
A2	71%	0.868
A68	42%	0.982
A69	33%	1.000
B62	31%	0.969
A1	27%	0.966
A80	25%	1.000
B75	21%	1.000
B13	19%	0.929
B76	19%	0.909
B57	17%	1.000
B35	17%	0.941
B77	12%	0.857
A9	10%	1.000
B51	10%	0.889
A32	10%	0.875
A11	8%	1.000
A28	8%	1.000
B53	8%	0.800
B8	6%	1.000
B50	6%	1.000
CW8	6%	1.000
B63	6%	0.750
B52	6%	0.667
A25	4%	1.000
A29	4%	1.000
B15	4%	1.000
B38	4%	1.000
B45	4%	1.000
B49	4%	1.000
B58	4%	1.000
B60	4%	1.000
B71	4%	1.000
A30	4%	0.900
A33	4%	0.800

Methods:

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

*** 53 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: All

***** SERUM NO. 983 ***** SERUM NO. 984 *****

	%	%	A	A	B		%	%	A	A	B		METHOD
	POS	8'S	2	2	7		POS	8'S	2	2			
			4	3	6				4	3			
Cooper, E. Sh	10	100	+	+			28	100	+	+			(1)
Dunckley, Hea	20	11	+	+			33	100	+	+	A2		(1)
Esteves Kond	13	100			+		26	100	+	+			(1)
Foxcroft, Z.K	20	100	+	+	+	A26, B45, B73	31	100	+	+	A30		(1)
Permpikul &	18	73	+		+		32	100	+		B38, B76, B77		(1)
Suciu-Foca, N	22	50	+	+		B53, B35	20	99	+	+	B35, B53		(1)

*** 6 TYPING LABS ***

A23	83%	1.000
A24	83%	0.485
B76	33%	1.000
B45	17%	1.000
B73	17%	1.000
B35	17%	0.890
B53	17%	0.890
A26	17%	0.600

*** 6 TYPING LABS ***

A24	100%	0.985
A23	83%	0.941
B38	17%	1.000
B35	17%	0.890
B53	17%	0.890
A30	17%	0.857
B76	17%	0.500
B77	17%	0.500
A2	17%	0.296

*** 6 LABORATORIES REPLIED ***

Method: NIH-std

***** SERUM NO. 983 ***** SERUM NO. 984 *****

	%	%	A	A	B		%	%	A	A	B	A		METHOD
	POS	8'S	3	4			POS	8'S	4	3	2	2		
Dunn, Paul Ph	22	100	+	+			56	90	+	+	+	+		(2)
Fotino, Maril	6	100			+		18	100	+	+		A25		(2)
Israel, Shosh	29	100	+	+	A26		29	100	+	+				(2)
Lardy, N.M. D	26	100	+	+			43	100	+	+	+	B75		(2)
Pidwell, Dian	26	100	+	+	A29		37	100	+	+	+			(2)
Tagliere, Jac	26	67	+	+			29	100	+	+				(2)

*** 6 TYPING LABS ***

A23	100%	0.880
A24	83%	0.844
A26	17%	0.500
A29	17%	0.400

*** 6 TYPING LABS ***

A24	100%	0.933
A23	100%	0.880
B62	33%	1.000
A2	33%	0.700
A25	17%	1.000
B75	17%	1.000

*** 6 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: NIH-ext

SERUM NO. 983											SERUM NO. 984											METHOD				
%	%	A	A	B	B	A	B	B	B	B	%	%	A	A	A	B	A	A	B	B						
POS	8'S	2	2	3	4	8	6	A	7	5	4	POS	8'S	2	4	3	0	2	8	9	6	1	5			
Alvarez & Ca	44	66	+	+							+	B18,B63	100	???										???	(F-3)	
Baker, Judy	82	???	+	+	+	+	+		+	+	+	B82,B75	98	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Berka, Noured	88	???	+	+	+	+				+	+	B37,B53,B72	100	???	+	+	+	+	+	+				B13,B7,B60,B51	(L-3)	
Burger, Joe	94	100	+	+	+			+	+	+		B82,CW18,CW8	100	100	+	+	+	+	+	+			+	CW8,B13	(L-3)	
Cantwell, Lin	???	???	+	+	+	+	+		+	+		8201,B75	???	???	+	+	+	+	+	+			+	B77,CW8	(L-3)	
Darke, Christ	???	???	+	+	+	+			+	+		2403,B52,B38	???	???	+	+		+	+				+	2403,B13,B51>	(L-3)	
Dunn, Paul Ph	???	???	+	+	+	+	+		+	+	+	B82,B53,CX14	???	???	+	+	+	+	+			+	+	B71,B35	(L-3)	
Eckels/CPMC,	89	???	+	+	+				+	+		A2,A68,B18,B37>	96	???	+	+	+		+	+			+	A25,A32,B13	(LF-3)	
Elkhalifa MD	???	???	+		+	+			+	+	+	B82,B53,CX14>	???	???	+	+	+	+			+	+	+	B71,B35	(L-3)	
Ellis, Thomas	99	???			+				+			A9,B5,B70,B53>	97	???				+						A9,B5,B21,B63>	(LF-3)	
Fotino, Maril	???	???	+	+	+	+			+	+	+	B18,B37,B38	???	???	+	+	+	+	+			+		B13,B18,B35	(L-3)	
Hamdi, Nuha D	82	100	+	+					+	+	+	CW4,B73,CW5>	98	100	+									A11,CW2,A29>	(L-3)	
Han, Hoon Dr	60	???	+	+		+			+	+	+	B37,B41,B52	69	???	+	+								B13,B37,B41>	(L-3)	
Harville, Ter	???	???		+	+	+			+	+	+	B82,B75,B53	???	???	+	+	+	+			+	+	+	B71,B13	(L-3)	
Kamoun, Malek	82	???	+	+	+				+	+	+	B52,B53,B78>	98	???	+	+	+	+	+			+		A36,A11,B57>	(L-3)	
Klein, Tirza	76	100	+	+		+			+	+	+	A29,A36,B52>	72	100	+	+	+		+	+				B77,B60,B38>	(L-3)	
MacCann, Eile	100	???	+	+	+				+	+		B12,B53,B15	100	???	+	+	+						+	A28,B15,B35,A3>	(L-3)	
Mah, Helen	???	???	+	+	+	+	+		+	+	+	8201,B75,CW10	???	???	+	+	+	+		+	+		+	B77,CW8	(L-3)	
McAlack-Bala	84	100	+	+	+	+			+	+	+	B82,B82,B75	97	100	+	+	+	+	+	+	+	+	+		(L-3)	
Meyer, Pieter	76	???	+	+	+	+	+		+	+	+	A31,B72,B78	98	???	+	+	+		+	+				A31,A32,A29>	(L-3)	
Moore, S. Brea	???	???	+	+	+	+			+	+	+	B82,B78	???	???	+	+	+	+	+			+		B77,B57,B63	(L-3)	
Ozawa, Mikki	65	???	+	+	+	+	+		+	+	+	B82,B75	???	???	+	+	+	+	+			+	+	B77,B13	(L-3)	
Paik, Young K	75	100			+				+	+	+	A9,B5,B18,B53>	98	100	+									A9,A28,B13,B15	(L-3)	
Pais, Maria L	67	???			+						+	A9,B5,B15	76	???	+								+	A9,B13,B15	(L-3)	
Pereira, Noem	???	???	+	+	+	+	+		+	+	+	B82,B75	???	???	+	+	+	+				+	+	B77,CW8,CW5	(L-3)	
Phelan, Donna	43	???			+	+			+	+	+	A9,B52,B18,B37	48	???	+		+					+		A28,A9,B5,B15>	(L-3)	
Pidwell, Dian	???	???	+	+	+	+	+		+	+	+	B75,B78	???	???	+	+	+	+				+	+	B57,CW8,B35	(F-3)	
Rosen-Bronso	97	100	+	+	+	+			+	+		B37,B78,B53>	97	100	+	+	+	+	+			+	+	B18,B35	(F-3)	
Sage, Deborah	100	???	+	+		+	+		+	+		B5,B12,B71,B72>	100	???	+	+	+	+	+	+			+	B51,B52,B8	(L-3)	
Sinnott & Gu	49	???	+	+	+	+			+	+	+	A2,A68,B52,B78	50	???	+	+	+	+	+	+			+	B51,B52,B78	(L-3)	
Smith/MI,	82	???	+	+	+	+	+		+	+	+	8201,B75	???	???	+	+	+	+	+			+	+	B77,CW8	(L-3)	
Suciu-Foca, N	100	100	+	+	+	+			+	+	+	B75,B82	100	100	+	+	+	+				+	+	B77,CW8,B71	(L-3)	
Sullivan, Kar	???	???	+	+		+			+	+		A2,A9,A68,A69>	???	???	+	+	+	+	+			+		A9,A32,A28	(L-3)	
Turner, E.V.	???	???	+	+	+	+	+		+	+	+	B82	???	???	+	+	+	+	+	+			+	B57,B35,B53	(L-3)	
Ward & Osows	93	???			+	+	+		+	+	+	B82,CW10,CX14>	96	???	+	+		+	+	+	+	+	+	CW5,CW8	(LF-3)	

(3) - L-Luminex, F-Flow

***** SERUM NO. 983 ***** SERUM NO. 984 *****

*** 35 TYPING LABS ***

A23	83%	1.000
A24	80%	1.000
B35	71%	1.000
B45	66%	1.000
A80	60%	1.000
A1	51%	1.000
B62	51%	1.000
B44	49%	1.000
B51	49%	1.000
B76	49%	1.000
B75	40%	1.000
B82	37%	1.000
B53	26%	1.000
B18	20%	1.000
B37	20%	1.000
B78	20%	1.000
B52	17%	1.000
A9	14%	1.000
B5	11%	1.000
B72	11%	1.000
8201	9%	1.000
A2	9%	1.000
A68	9%	1.000
B12	9%	1.000
B38	9%	1.000
CX14	9%	1.000
B15	6%	1.000
B71	6%	1.000
CX16	6%	1.000
CW10	6%	1.000

*** 35 TYPING LABS ***

A2	91%	1.000
A24	83%	0.957
A23	80%	1.000
A80	63%	1.000
A68	51%	1.000
B62	51%	1.000
A69	49%	1.000
A1	46%	1.000
B76	46%	1.000
B75	43%	1.000
B13	31%	1.000
B35	23%	1.000
B77	23%	1.000
CW8	23%	1.000
A9	14%	1.000
B51	14%	1.000
B57	14%	1.000
A28	11%	1.000
B15	11%	1.000
B71	11%	1.000
A11	9%	1.000
A32	9%	1.000
B18	9%	1.000
A29	6%	1.000
B5	6%	1.000
B21	6%	1.000
B52	6%	1.000
B53	6%	1.000
B60	6%	1.000
B63	6%	1.000
CW5	6%	1.000

*** 35 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Luminex/Flow

	SERUM NO. 983						SERUM NO. 984										METHOD		
	%	%	A 2	A 3	B 5	B 6	B 7	B 8	B 9	A 2	A 3	A 6	B 5	B 6	B 3	A 6		B 1	B 5
Baker, Judy	34	100	+	+														B8	(4)
Berka, Noured	38	100	+	+	+	+	+												(4)
Dunn, Dale Dr	5	100	+															A80, B52	(4)
Eckels/CPMC,	65	???																MULTI	(4)
Fotino, Maril	11	100	+															B49, B50	(4)
Hahn, Amy B.	50	86			+	+												B12, A9, A11, B53	(4)
Klein, Jon MD	93	???	+	+														B58, A32, A33	(4)
Mah, Helen	61	100	+	+	+	+												B60, B61	(4)
Paik, Young K	57	50	+	+	+	+	+											B63	(4)
Smith/MI,	35	???	+	+															(4)
Suciu-Foca, N	55	62	+	+	+													A28, B5, B21	(4)
Ward & Osows	90	100	+	+	+	+	+											B50	(4)

*** 12 TYPING LABS ***

A23	83%	1.000
A24	67%	0.980
B35	50%	0.793
B53	50%	0.766
B45	33%	1.000
B44	33%	0.963
B62	25%	0.929
B5	17%	0.897
A1	8%	1.000
A9	8%	1.000
A32	8%	1.000
B18	8%	1.000
B51	8%	1.000
B73	8%	1.000
B76	8%	1.000
B78	8%	1.000
MULTI	8%	1.000
A2	8%	0.944
B12	8%	0.890
A11	8%	0.857
B15	8%	0.800

*** 12 TYPING LABS ***

A23	83%	1.000
A24	83%	0.984
A2	75%	0.936
A68	58%	0.973
B57	42%	0.889
A69	33%	1.000
B62	33%	0.845
B35	33%	0.780
B13	25%	0.800
B50	17%	1.000
B51	17%	0.800
A9	8%	1.000
A11	8%	1.000
A80	8%	1.000
B8	8%	1.000
B12	8%	1.000
B49	8%	1.000
B53	8%	1.000
B58	8%	1.000
B60	8%	1.000
B61	8%	1.000
B63	8%	1.000
MULTI	8%	1.000
A28	8%	0.890
A32	8%	0.750
A33	8%	0.750
B5	8%	0.740
B21	8%	0.690
B52	8%	0.500

*** 12 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Antiglobulin

***** SERUM NO. 983 ***** SERUM NO. 984 *****

	SERUM NO. 983									SERUM NO. 984									METHOD						
	%	%	A 2	A 3	B 4	B 5	B 6	B 7	B 8	B 9	%	%	A 2	A 3	A 4	B 5	B 6	B 7		A 8	A 9				
Choo, Yoon MD	70	100	+	+	+							A68, A2	85	100	+		+	+			+	+	(5)		
Hahn, Amy B.	16	???	+	+	+	+	+	+	+	+	+		28	???	+	+					+		A80, B12, B21>	(5)	
Holdsworth, R	92	100	+	+	+							A28, B7, B27, B37>	93	100	+	+	+						+	A32, B44, B45>	(5)
McAlack, Robe	45	100	+	+		+	+	+	+	+	+	B62	60	100	+		+	+	+	+	+		+	A69, B35	(5)
Paik, Young K	???	???	+	+	+	+							???	???	+	+					+	+	+	B70, B78	(5)

***** SERUM NO. 983 ***** SERUM NO. 984 *****

*** 5 TYPING LABS ***

A23	100%	1.000
A24	100%	1.000
A1	80%	0.778
B18	60%	1.000
B35	60%	1.000
B44	60%	1.000
B45	60%	1.000
B51	40%	1.000
B52	40%	1.000
B53	40%	1.000
A28	20%	1.000
B7	20%	1.000
B27	20%	1.000
B37	20%	1.000
B38	20%	1.000
B62	20%	1.000
A68	20%	0.600
A2	20%	0.556

*** 5 TYPING LABS ***

A2	100%	1.000
A23	60%	1.000
A24	60%	1.000
A28	60%	1.000
A9	40%	1.000
A68	40%	1.000
B57	40%	1.000
B62	40%	1.000
B75	40%	1.000
A1	40%	0.857
A32	20%	1.000
A69	20%	1.000
A80	20%	1.000
B12	20%	1.000
B13	20%	1.000
B17	20%	1.000
B21	20%	1.000
B35	20%	1.000
B40	20%	1.000
B41	20%	1.000
B44	20%	1.000
B45	20%	1.000
B49	20%	1.000
B50	20%	1.000
B70	20%	1.000
B78	20%	1.000

*** 5 LABORATORIES REPLIED ***

***** NEXT SHIPMENT: MAR 11 2009 *****

Method: Elisa

CTR	INVESTIGATOR NAME	DNA EXTRACT #437 (Caucasian)	A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon		*020101		*0703	*440201/19N	*03	*05	RSSO, SBT, SSP
2300	Allegheny Ge		*02		*07	*44	*03	*05	SSP
745	Anthony Nola		*0201/01L		*0703	*44020101	*030401	*050101	SSO, SSP, SBT
5133	Baker, Judy		*02		*0703	*44	*03	*05	SSO
105	Ball, Edward		*0201/*9238-41		*07	*4402/52N/59	*0304/47/48	*0501/03/19	PCR-SSP
4345	Blasczyk, Rai		*0201/01L/09/43N/66/75/83N/89/97+		*0703	*4402/02S/19N/27	*0304	*0501/03	PCR-SBT
5106	Brown, Colin		*0201		*0703	*4402/19N	*03	*05	
785	Chan, Soh Ha		*02		*0703	*4402/19N/27	*0304/07/09/28+	*05/*08	SBT
3224	Chen, Dongfen		*0201		*0703	*4402/19N	*0304	*0501	SBT, SSO, SSP
3625	Darke, Christ		*0201		*0703	*4402/19N	*0304//*0309	*0501//*0505	PCR-SSP, SBT
1108	Davis, Mary		*0201		*0703	*4402	*0304	*0501	SSO, SSP
5891	Du, Keming		*0201	*0201	*0703	*4402/19			PCR-SBT
3186	Dunckley, Hea		*02		*07	*4452N	*0304-06/08-10+	*05	SSP
3766	Dunn, Paul		*02		*0703	*44	*03	*05	PCR-SSO, SSP
3428	Eckels/Utah		*02	*02	*0703	*44			SSOP
4251	Ellis, Thomas		*0201	*0201	*0703	*4402/19N	*0304	*0501/03	PCR-SSO, SEQ
762	Fischer&Mayr		*0201		*0703	*4402/27	*0304	*0501/03	SSO, SBTex1-3
3135	Fischer, John		*0201/01L		*0703	*4402/02S/19N	*0304	*0501	
729	Fotino, Maril		*02		*07	*44	*03	*05	
810	Hamdi, Nuha		*02010102L	*02010102L	*0703	*44020101	*030401	*050101	SSO
1461	Hidajat, Mela		*0201	*0201	*0703	*4402	*0304	*0501	SSO, SSP
615	Holdsworth, R		*02		*07	*44			SSP
2344	Hurley&Hartz		*02010101/010102L+	*02010101/010102L+	*0703	*44020101/020102S+	*030401/0403	*050101/0104/03	SBT, SSOP
797	Kato, Shunich		*0201/01L		*0703	*4402/02S/19N	*0304/09/28+	*0501/05/10+	SSO, SBT
87	Land, Geoff		*0201	*0201	*0703	*4402	*0304	*0501	SBT, SSP
278	Lee, Jar-How		*0201/24/66/88N/92/94N-97/*9205/07+		*0703	*4402/52N/53	*0304/23/24/28	*0501/07N/10+	SSP, RVSSOP
640	Lee, Kyung Wh		*0201/09/43N/66/75/83N/89/97/*9232+		*0703	*4402/19N/27	*0304/09/28/35	*0501/03/05/10+	PCR-SBT
9916	McIntyre, Joh		*020101		*0703	*44020101	*0304/47/48	*0501/19	SSP, SBT
8021	Montague, Bri		*0201-05+		*0703/08/16+	*4402/11/19N+	*0302/04-06+	*0501/03-07+	PCR-SSP
5323	Murad, Shahna		*02		*07	*44	*03	*05	PCR-SSP
733	Mytilineos, J		*02		*0703	*44	*03	*05	PCR-SSO
8022	Olerup, Olle		*0201		*0703	*4402	*0304	*0501	SSP
8000	Pahl, Armin		*02		*07	*44			SSO
3648	Pereira, Noem		*02		*0703	*44	*03	*05	RVSSO
3966	Permpikul&Ve		*02		*07	*44	*0304	*0501	PCR-SSP
2400	Phelan, Donna		*0201		*0703	*4402	*0304	*0501	RSSO, SBT, SSP
3753	Reed, Elaine		*0201		*0703	*4402/19N	*0304/07/09/28+	*0501/05+/*0802	SBT
3798	Reinsmoen, N		*020101/01L		*0703	*44020101/020102S+	*030401	*050101	SBT, RSSO, SSP
1694	Sauer&Guttwa		*02		*07	*44	*03	*05	SSP
3545	Scornik, Juan		*0201		*0703	*4402/19N	*0304	*0501	RVSSOP, SBT
5096	Seoul Red Cr		*02	*02	*07	*44			PCR-SSO
8042	Shainberg, Br		*02		*07	*44	*03	*05	
735	Smith/MI		*0201		*0703	*4402/19N	*0304/28	*0501/03/11	SSOP, SSP, SEQ
740	Snider, Denis		*0201		*0703	*4402	*0304	*0501	SSP
746	Stamm, Luz		*0201		*0703	*4402	*0304	*0501	RVSSO, SSP
13	Tagliere, Jac		*0201		*0703	*4402	*0304	*0501	SSP
4021	Trachtenberg		*02		*07	*44	*03	*05	RVSSOP, SSP
5462	Turner, E.V.		*0201		*0703	*4402	*0304	*0501	SEQ, SSO, SSP

INVESTIGATOR		DNA EXTRACT #438 (Caucasian)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*260101	*680102/11N	*2723	*440201/19N/27	*0202	*0501	RSSO, SBT, SSP
2300	Allegheny Ge	*26	*68	*27	*44	*02	*05	SSP
745	Anthony Nola	*260101	*680102	*2723	*44020101	*0202	*050101	SSO, SSP, SBT
5133	Baker, Judy	*26	*68	*2723	*44	*02	*05	SSO
105	Ball, Edward	*26	*6801/37/41-43	*2723	*4402/52N/59	*02	*0501/11/19	PCR-SSP
4345	Blasczyk, Rai	*2601/24/26	*6801/11N/33	*2723	*4402/02S/19N/27	*0202	*0501/03	PCR-SBT
5106	Brown, Colin	*26	*68	*2723	*44	*02	*05	
785	Chan, Soh Ha	*2601/13/24/26	*6801/03/11N/33	*2723	*4402/19N/27	*0202	*0501/03	SBT
3224	Chen, Dongfen	*2601	*6801	*2723	*4402	*0202	*0501	SBT, SSO, SSP
3625	Darke, Christ	*2601	*6801/11N	*2723	*4402/19/27	*0202	*0501	PCR-SSP, SBT
1108	Davis, Mary	*2601	*6801	*2723	*4402	*0202	*0501	SSO, SSP
5891	Du, Keming	*2601/13	*6801/03/11	*2723	*4402/19/27			PCR-SBT
3186	Dunckley, Hea	*26	*68	*27	*44	*02	*05	SSP
3766	Dunn, Paul	*26	*68	*2723	*44	*02	*05	PCR-SSO, SSP
3428	Eckels/Utah	*26	*68	*2723	*44			SSOP
4251	Ellis, Thomas	*2601	*6801/11N	*2723	*4402/19N/27	*0202	*0501/03	PCR-SSO, SEQ
762	Fischer&Mayr	*2601	*6801	*2723	*4402/27	*0202	*0501/03	SSO, SBTex1-3
3135	Fischer, John	*2601	*6801	*2723	*4402/02S/19N	*0202	*0501/03	
729	Fotino, Maril	*26	*68	*27	*44	*02	*05	
810	Hamdi, Nuha	*260101	*680102	*2723	*4419N	*020201	*050101	SSO
1461	Hidajat, Mela	*2601	*6801	*2723	*4402	*0202	*0501	SSO, SSP
615	Holdsworth, R	*26	*68	*27	*44			SSP
2344	Hurley&Hartz	*260101/24/26	*680102/11N/33	*2723	*44020101/020102S+	*020202	*050101/0104/03	SBT, SSOP
797	Kato, Shunich	*2601	*6801/11N	*2723	*4402/02S/19N+	*0202	*0501	SSO, SBT
87	Land, Geoff	*2601	*6801	*2723	*4402	*0202	*0501	SBT, SSP
278	Lee, Jar-How	*2601/23-26/31/32	*6801/21/32/33/38	*2723	*4402/52N/53	*0202/09/11	*0501/07N/13/15	SSP, RVSSOP
640	Lee, Kyung Wh	*2601/13/24/26	*6801/03/11N/33	*2723	*4402/19N/27	*0202	*0501/03	PCR-SBT
9916	McIntyre, Joh	*260101	*680102/11N	*2723	*44020101	*0202/22	*0501/19	SSP, SBT
8021	Montague, Bri	*260101/0103-02+	*6801/02/06+	*2716/26/31	*4402/11/19N+	*0202-14+	*0501/03-07+	PCR-SSP
5323	Murad, Shahna	*26	*68	*27	*44	*02	*05	PCR-SSP
733	Mytilineos, J	*26	*68	*2723	*44	*02	*05	PCR-SSO
8022	Olerup, Olle	*2601	*6801	*2723	*4402	*0202	*0501	SSP
8000	Pahl, Armin	*26	*68	*27	*44			SSO
3648	Pereira, Noem	*26	*68	*2723	*44	*02	*05	RVSSO
3966	Permpikul&Ve	*26	*68	*2723	*44	*0202	*0501	PCR-SSP
2400	Phelan, Donna	*2601	*6801	*2723	*4402	*0202	*0501	RSSO, SBT, SSP
3753	Reed, Elaine	*2601/13	*6801/03/11N	*2723	*4402/19N/27	*0202	*0501	SBT
3798	Reinsmoen, N	*260101	*680102/11N	*2723	*44020101/020102S	*020202	*050101	SBT, RSSO, SSP
1694	Sauer&Guttwa	*26	*68	*27	*44	*02	*05	SSP
3545	Scornik, Juan	*2601	*6801/11N	*2723	*4402/19N	*0202	*0501	RVSSOP, SBT
5096	Seoul Red Cr	*26	*68	*27	*44			PCR-SSO
8042	Shainberg, Br	*26	*68	*27	*44	*02	*05	
735	Smith/MI	*2601	*6801/11N	*2723	*4402/19N/27	*0202	*0501/03	SSOP, SSP, SEQ
740	Snider, Denis	*2601	*6801	*2723	*4402	*0202	*0501	SSP
746	Stamm, Luz	*2601	*6801	*2723	*4402	*0202	*0501	RVSSO, SSP
13	Tagliere, Jac	*2601	*6801/37	*2723	*4402	*0202	*0501	SSP
4021	Trachtenberg	*26	*68	*2723	*44	*02	*05	RVSSOP, SSP
5462	Turner, E.V.	*2601	*6801	*2723	*4402	*0202	*0501	SEQ, SSO, SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #439 (Caucasian)	A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon		*010101	*020101	*08	*4408	*05	*07	RSSO, SBT, SSP
2300	Allegheny Ge		NT						
745	Anthony Nola		*01010101	*0201/01L	*0801/27	*4408	*050101	*0701	SSO, SSP, SBT
5133	Baker, Judy		*01	*02	*08	*4408	*05	*07	SSO
105	Ball, Edward		*0101/29	*0201/30/*9238-41	*0801	*44	*0501/10/11/19	*0701/55N	PCR-SSP
4345	Blasczyk, Rai		*0101/01N/04N/22N	*0201/01L/09/43N+	*0801/19N	*4408	*0501/03	*0701/06/18/52	PCR-SBT
5106	Brown, Colin		*01	*02	*08	*4408	*05	*07	
785	Chan, Soh Ha		*01/*36	*02	*0801/19N	*4408	*05/*08	*0701/06/09/18+	SBT
3224	Chen, Dongfen		*0101	*0201	*0801	*4408	*0501/04	*0701/28	SBT, SSO, SSP
3625	Darke, Christ		*0101	*0201	*0801	*4408	*05	*07	PCR-SSP, SBT
1108	Davis, Mary		*0101	*0201	*0801	*4408	*0501	*0701	SSO, SSP
5891	Du, Keming		*0101	*0201	*0801	*4408			PCR-SBT
3186	Dunckley, Hea		*01	*02	*08	*4408	*05	*07	SSP
3766	Dunn, Paul		*01	*02	*08	*44	*05	*07	PCR-SSO, SSP
3428	Eckels/Utah		*01	*02	*08	*4408			SSOP
4251	Ellis, Thomas		*0101	*0201	*0801	*4408	*0501/03	*0701/06/18/52	PCR-SSO, SEQ
762	Fischer&Mayr		*0101	*0201	*0801/19N	*4408	*0501/03	*0701	SSO, SBTex1-3
3135	Fischer, John		*0101	*0201/01L	*0801	*4408	*0501	*0701/06/18	
729	Fotino, Maril		*01	*02	*08	*44	*05	*07	
810	Hamdi, Nuha		*01010101	*02010102L	*080101	*4408	*050101	*070101	SSO
1461	Hidajat, Mela		*0101	*0201	*0801	*4408	*0501	*0701	SSO, SSP
615	Holdsworth, R		*01	*02	*0801/19N	*4408			SSP, SBT
2344	Hurley&Hartz		*01010101/010102N+	*02010101/010102L+	*080101/19N	*4408	*050101/0104/03	*070101/0102+	SBT, SSOP
797	Kato, Shunich		*0101/01N	*0201/01L	*0801	*4408	*0501/04	*0701/06/18+	SSO, SBT
87	Land, Geoff		*0101	*0201	*0801	*4408	*0501	*0701	SBT, SSP
278	Lee, Jar-How		*0101/11N/16N/18N+	*0201/24/66/88N+	*0801	*4408	*0501/07N/13/15	*0701/21/24	SSP, RVSSOP
640	Lee, Kyung Wh		*0101/04N/14/22N	*0201/09/43N/66+	*0801/19N	*4408	*0501/03/04	*0701/06/18/28+	PCR-SBT
9916	McIntyre, Joh		*01010101	*020101	*080101	*4408	*0501/19	*0701/55N	SSP, SBT
8021	Montague, Bri		*0101/02/04N/06+	*020101-0104/0106+	*0801/06-08N+	*4408	*0501/03-07+	*0701/06/07+	PCR-SSP
5323	Murad, Shahna		*01	*02	*08	*4408	*05	*07	PCR-SSP
733	Mytilineos, J		*01	*02	*08	*4408	*05	*07	PCR-SSO
8022	Olerup, Olle		*0101	*0201	*0801	*4408	*0501	*0701	SSP
8000	Pahl, Armin		*01	*02	*08	*44			SSO
3648	Pereira, Noem		*01	*02	*08	*4408	*05	*07	RVSSO
3966	Permpikul&Ve		*01	*0201	*08	*4408	*0501	*0701/06	PCR-SSP
2400	Phelan, Donna		*0101	*0201	*0801	*4408	*0501	*0701	RSSO, SBT, SSP
3753	Reed, Elaine		*0101/14/*3604	*0201/36/*9201	*0801	*4408	*0501/04/*0802	*0701/06/09/18+	SBT
3798	Reinsmoen, N		*01010101/010102N	*020101/01L	*080101	*4408	*0501	*0701	SBT, RSSO, SSP
1694	Sauer&Guttwa		*01	*02	*08	*44	*05	*07	SSP
3545	Scornik, Juan		*0101	*0201	*0801	*4408	*0501	*0701/06/18	RVSSOP, SBT
5096	Seoul Red Cr		*01	*02	*08	*44			PCR-SSO
8042	Shainberg, Br		*01	*02	*08	*44	*05	*07	
735	Smith/MI		*0101	*0201	*0801	*4408	*0501/03/04	*0701/06/18/28+	SSOP, SSP, SEQ
740	Snider, Denis		*0101	*0201	*0801	*4408	*0501	*0701	SSP
746	Stamm, Luz		*0101	*0201	*0801	*4408	*0501	*0701	RVSSO, SSP
13	Tagliere, Jac		*0101	*0201	*0801	*4408	*0501	*0701	SSP
4021	Trachtenberg		*01	*02	*08	*4408	*05	*07	RVSSOP, SSP
5462	Turner, E.V.		*0101	*0201	*0801	*4408	*0501	*0701	SEQ, SSO, SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #440 A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon	*020101	*110101	*380201	*5603	*010201/17	*070201/39/50	RSSO, SBT, SSP
2300	Allegheny Ge	NT						
745	Anthony Nola	*0201/01L	*110101	*380201	*5603	*010201	*070201	SSO, SSP, SBT
5133	Baker, Judy	*02	*11	*3802/15	*5603	*01	*07	SSO
105	Ball, Edward	*0201/*9238-41	*1101/33/34/36	*3802/08/15	*5603	*01	*0702/54/56	PCR-SSP
4345	Blasczyk, Rai	*0201/01L/09/43N+	*1101/21N	*3802/15	*5603	*0102	*0702/50	PCR-SBT
5106	Brown, Colin	*02	*11	*3802/15	*5603	*01	*07	
785	Chan, Soh Ha	*02	*11	*3802	*5603	*0102/17/22	*0702/37/39/50	SBT
3224	Chen, Dongfen	*0201	*1101	*3802	*5603	*0102	*0702/50	SBT, SSO, SSP
3625	Darke, Christ	*0201	*1101	*3802	*5603	*0102// *0117	*0702// *0739	PCR-SSP, SBT
1108	Davis, Mary	*0201	*1101	*3802	*5603	*0102	*0702	SSO, SSP
5891	Du, Keming	*0201	*1101	*3802	*5603			PCR-SBT
3186	Dunckley, Hea	*02	*11	*38	*5603	*01	*07	SSP
3766	Dunn, Paul	*02	*11	*3802/15	*5603	*01	*07	PCR-SSO, SSP
3428	Eckels/Utah	*02	*11	*3802/15	*5603			SSOP
4251	Ellis, Thomas	*0201	*1101	*3802	*5603	*0102	*0702/50	PCR-SSO, SEQ
762	Fischer&Mayr	*0201	*1101/21N	*3802	*5603	*0102	*0702/50	SSO, SBTex1-3
3135	Fischer, John	*0201/01L	*1101	*3802	*5603	*0102	*0702	
729	Fotino, Maril	*02	*11	*38	*56	*01	*07	
810	Hamdi, Nuha	*02010102L	*110101	*380201	*5603	*010201	*07020101	SSO
1461	Hidajat, Mela	*0201	*1101	*3802	*5603	*0102	*0702	SSO, SSP
615	Holdsworth, R	*02	*11	*3802	*5603			SSP, SBT
2344	Hurley&Hartz	*02010101/010102L+	*110101/21N	*380201	*5603	*010201/0202	*07020101+	SBT, SSOP
797	Kato, Shunich	*0201/01L	*1101	*3802	*5603	*0102	*0702	SSO, SBT
87	Land, Geoff	*0201	*1101	*3802	*5603	*0102	*0702	SBT, SSP
278	Lee, Jar-How	*0201/24/66/88N+	*1101/21N/22/29	*3802	*5603	*0102	*0702/32N/39	SSP, RVSSOP
640	Lee, Kyung Wh	*0201/09/27/34+	*1101/04/06/19+	*3802	*5603	*0102/17	*0702/39/50	PCR-SBT
9916	McIntyre, Joh	*020101	*110101	*380201	*5603	*0102/06/17	*0702/54/56	SSP, SBT
8021	Montague, Bri	*020101-0104/0106+	*1101/02/05-07+	*3801/02/04+	*5603	*0102/03/06-11+	*0702/03/10+	PCR-SSP
5323	Murad, Shahna	*02	*11	*38	*5603	*01	*07	PCR-SSP
733	Mytilineos, J	*02	*11	*38	*5603	*01	*07	PCR-SSO
8022	Olerup, Olle	*0201	*1101	*3802	*5603	*0102	*0702	SSP
8000	Pahl, Armin	*02	*11	*38	*56			SSO
3648	Pereira, Noem	*02	*11	*38	*5603	*01	*07	RVSSO
3966	Permpikul&Ve	*0201	*1101	*38	*5603	*0102	*0702	PCR-SSP
2400	Phelan, Donna	*0201	*1101	*3802	*5603	*0102	*0702	RSSO, SBT, SSP
3753	Reed, Elaine	*0201/12/27/34/90+	*1101/04/06/19/24+	*3802	*5603	*0102/17/22	*0702/37/39/50	SBT
3798	Reinsmoen, N	*020101/01L	*110101	*380201	*5603	*010201	*070201/50	SBT, RSSO, SSP
1694	Sauer&Guttwa	*02	*11	*38	*56	*01	*07	SSP
3545	Scornik, Juan	*0201	*1101	*3802	*5603	*0102	*0702/50	RVSSOP, SBT
5096	Seoul Red Cr	*02	*11	*38	*56			PCR-SSO
8042	Shainberg, Br	*02	*11	*38	*56	*01	*07	
735	Smith/MI	*0201	*1101	*3802	*5603	*0102/17	*0702/39/50	SSOP, SSP, SEQ
740	Snider, Denis	*0201	*1101	*3802	*0724	*0102	*0702	SSP
746	Stamm, Luz	*0201	*1101	*3802	*5603	*0102	*0702	RVSSO, SSP
13	Tagliere, Jac	*0201	*1101	*3802	*5603	*0102	*0702	SSP
4021	Trachtenberg	*02	*11	*3802/08/15	*5603	*01	*07	RVSSOP, SSP
5462	Turner, E.V.	*0201	*1101	*3802	*5603	*0102	*0702	SEQ, SSO, SSP

SUMMARY

<p>Extract 437 (Caucasian)</p> <p><u>48 labs</u></p> <p>A*02 48%</p> <p>A*0201 46%</p> <p>A*020101 4%</p> <p>A*02010102L 2%</p> <p>A*02 100% TOTAL</p>	<p>Extract 438 (Caucasian)</p> <p><u>48 labs</u></p> <p>A*26 54%</p> <p>A*2601 36%</p> <p>A*260101 10%</p> <p>A*26 100% TOTAL</p> <p>A*68 56%</p> <p>A*6801/11N 11%</p> <p>A*680102/11N 6%</p> <p>A*6801 23%</p> <p>A*680102 4%</p> <p>A*68 100% TOTAL</p>	<p>Extract 439 (Caucasian)</p> <p><u>47 labs</u></p> <p>A*01 47%</p> <p>A*0101 39%</p> <p>A*010101 4%</p> <p>A*01010101 6%</p> <p>A*01 96% TOTAL</p> <p>A*02 49%</p> <p>A*0201 43%</p> <p>A*020101 6%</p> <p>A*02010102L 2%</p> <p>A*02 100% TOTAL</p>	<p>Extract 440</p> <p><u>47 labs</u></p> <p>A*02 49%</p> <p>A*0201 45%</p> <p>A*020101 4%</p> <p>A*02010102L 2%</p> <p>A*02 100% TOTAL</p> <p>A*11 51%</p> <p>A*1101 38%</p> <p>A*110101 11%</p> <p>A*11 100% TOTAL</p>
<p><u>48 labs</u></p> <p>B*07 27%</p> <p>B*0703 73%</p> <p>B*07 100% TOTAL</p> <p>B*44 38%</p> <p>B*4402/19N/27 8%</p> <p>B*4402/19N 21%</p> <p>B*440201/19N 4%</p> <p>B*4402/27 2%</p> <p>B*4402 19%</p> <p>B*44020101 6%</p> <p>B*4452N 2%</p> <p>B*44 100% TOTAL</p>	<p><u>48 labs</u></p> <p>B*27 21%</p> <p>B*2723 79%</p> <p>B*27 100% TOTAL</p> <p>B*44 44%</p> <p>B*4402/19N/27 21%</p> <p>B*4402/19N 4%</p> <p>B*4402/27 2%</p> <p>B*4402 21%</p> <p>B*440201 2%</p> <p>B*44020101 4%</p> <p>B*4419N 2%</p> <p>B*44 100% TOTAL</p>	<p><u>47 labs</u></p> <p>B*08 38%</p> <p>B*0801/19N 11%</p> <p>B*080101/19N 2%</p> <p>B*0801 43%</p> <p>B*080101 6%</p> <p>B*08 100% TOTAL</p> <p>B*44 15%</p> <p>B*4408 85%</p> <p>B*44 100% TOTAL</p>	<p><u>47 labs</u></p> <p>B*38 28%</p> <p>B*3802/15 10%</p> <p>B*3802 49%</p> <p>B*380201 13%</p> <p>B*38 100% TOTAL</p> <p>B*56 11%</p> <p>B*5603 87%</p> <p>B*56 98% TOTAL</p>
<p><u>43 labs</u></p> <p>Cw*03 53%</p> <p>Cw*0304 40%</p> <p>Cw*030401 7%</p> <p>Cw*03 100% TOTAL</p> <p>Cw*05 49%</p> <p>Cw*0501/03 9%</p> <p>Cw*0501 30%</p> <p>Cw*050101 7%</p> <p>Cw*05 95% TOTAL</p>	<p><u>43 labs</u></p> <p>Cw*02 37%</p> <p>Cw*0202 56%</p> <p>Cw*020201 2%</p> <p>Cw*020202 5%</p> <p>Cw*02 100% TOTAL</p> <p>Cw*05 37%</p> <p>Cw*0501/03 19%</p> <p>Cw*0501 37%</p> <p>Cw*050101 7%</p> <p>Cw*05 100% TOTAL</p>	<p><u>42 labs</u></p> <p>Cw*05 40%</p> <p>Cw*0501/03/04 5%</p> <p>Cw*0501/03 9%</p> <p>Cw*0501/04 5%</p> <p>Cw*0501 31%</p> <p>Cw*050101 5%</p> <p>Cw*05 95% TOTAL</p> <p>Cw*07 55%</p> <p>Cw*0701/06/18/52 7%</p> <p>Cw*0701/06/18 5%</p> <p>Cw*0701/06 2%</p> <p>Cw*0701 29%</p> <p>Cw*070101 2%</p> <p>Cw*07 100% TOTAL</p>	<p><u>42 labs</u></p> <p>Cw*01 48%</p> <p>Cw*0102 45%</p> <p>Cw*010201 7%</p> <p>Cw*01 100% TOTAL</p> <p>Cw*07 50%</p> <p>Cw*0702/50 14%</p> <p>Cw*070201/50 3%</p> <p>Cw*0702 29%</p> <p>Cw*070201 2%</p> <p>Cw*07020101 2%</p> <p>Cw*07 100% TOTAL</p>

INVESTIGATOR NAME	CELL NO.1349 (Caucasian) A1	A2	B1	B2	C1	C2	method
745 Anthony Nola	*310102	*3301	*140201	*2707	*0802	*150201	SSO,SSP,SBT
5106 Brown,Colin	*31	*33	*1402	*2707	*0802/04	*15	PCR-RSSOP,SBT
4492 Charron,D.	*31	*33	*14	*27			PCR-SSO
798 Claas,F.H.J.	*310102	*3301	*140201	*2707	*0802	*150201	SBT,SSP
3632 Colombe,Beth	*3101	*3301	*1402	*2707	*0802	*1502	SSP
3904 Cooper,Shann	*31	*33	*140201	*27	*08	*15	SSP
5130 Costeas,Paul	*3101	*3301	*1402	*2707	*0802	*1502	SSP
779 Daniel,Claud	*31	*3301/0301-12	*14(B65)	*27	*08	*15	PCR-SSP
3625 Darke,Christ	*3101	*3301	*1402	*2707	*0802	*1502/13	PCR-SSP,SBT
4269 Dormoy,Anne	*310102	*3301	*140201	*2707	*0802	*150201	PCR-SSP,SBT
3186 Dunckley,Hea	*31	*33	*1402/03	*27	*08	*15	SSP
3766 Dunn,Paul	*31	*33	*1402	*2707	*08	*15	SSO
856 Dupont,Bo	*3101/02/06/09/13+	*3301/04/05/07	*1402/04	*2707	*0802//*0501	*1502//*1507	SSO
5214 Eckels/CPMC	*31	*33	*1402	*2707	*08	*15	SSOP
2332 Elkhalfifa,Mo	*31	*33	*14	*27	*08	*15	
4251 Ellis,Thomas	*3101	*3301	*1402	*2707	*0802	*1502/13	PCR-SSO,SEQ
762 Fischer&Mayr	*3101/14N/23	*3301	*1402	*2707	*0802	*1502/13	RSSO,SBTex1-3
729 Fotino,Maril	*31	*33	*14	*27	*08	*15	
8043 Gideonl,Osna	*31	*33	*14	*27	*08	*15	
810 Hamdi,Nuha	*310102	*3301	*140201	*2707	*0802		SSO
3808 Hogan,Patric	*31	*33	*1402/03/09	*27	*08	*15	SSP
771 Israel,Shosh	*31	*33	*14	*27	*08	*15	PCR-SSOP
859 Kamoun,Malek	*31	*3301	*1402	*2707	*0802	*1502	SSP
4337 Kim,Tai-Gyu	*3101	*3301	*1402	*2707	*0802	*1502	
168 Klein,Tirza	*3101	*3301	*1402	*2707	*0802	*1502	PCR-SSP,SSO
278 Lee,Jar-How	*3101/11-18	*3301	*1402	*2707	*0802	*1502/13	SSP,RVSSOP
759 Lefor,W.M.	*3101/06/09/11/12+	*3301/03-07/12	*1402	*2707	*0802/04/05	*1502/03/08+	RVSSO
731 Loewenthal,R					*0802/04	*1502/13/08	SBT,SSO
8029 Mani,Rama	*31	*33	*14	*27			PCR-SSP
792 Moore,S.Brea	*3101	*3301	*1402	*2707	*0802	*1502	PCR-SSO,SSP
774 Paik,Young	*31	*33	*1402/06	*2707/11	*08	*15	SSP,SSOP
4336 Park,Myoung	*31	*3301/04/05/07	*1402/64	*2707	*08	*15	RVSSO,SSP
16 Pidwell,Dian	*310102	*3301	*140201	*2707	*0802//*0804	*1502//*1508	PCR-RSSOP,SBT
4689 Rajczyk,Katal	*3101/09/11-13+	*3301/03-06+	*1402/05/06	*2707/11	*0802/15	*1502/08/10+	PCR-SSP,SSO
5200 Reinke,Dennis	*31	*33	*14(B65)	*27	*08	*15	SSP
1160 Rosen-Bronso	*31	*33	*1402	*2707	*08	*15	RVSSO
793 Rubocki,Ron	*31	*33	*14(B65)	*27			SSP
4948 Sage,Deborah	*3101	*3301	*1402	*2707	*0802/04	*1502/08/13	
8001 Sheikh,Maqso	*31	*33	*1402	*27	*08	*15	RVSSO,SSP
769 Tavoularis,S	*3101	*3301	*1402	*2707	*0802	*1502	SSO,SBT,SSP
5451 Tilanus,Marc	*310102	*3301	*140201	*2707	*0802	*150201	SBT
5462 Turner,E.V.	*3101	*3301	*1402	*2707	*0802	*1502	SEQ,SSP,SSO
705 Watkins,Davi	*31	*3301/02/04-12	*1402-04/06	*2703g	*0801/03/06/08/09+	*15	PCR-SSP
5670 Wetmore,Mari	*31	*33	*14(B65)	*27	*08	*15	SSP

INVESTIGATOR	CELL NO.1350 (Chinese)							
CTR	NAME	A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*020101	*110101	*550201	*1525	*030301	*0403	SSO,SSP,SBT
5106	Brown,Colin	*02	*11	*5502/19	*1525	*0303/13/20N/22Q+	*0403	PCR-RSSOP,SBT
4492	Charron,D.	*02/*92	*11	*55	*1525			PCR-SSO
798	Claas, F.H.J.	*020101	*110101	*550201	*1525	*030301	*0403	SBT,SSP
3632	Colombe,Beth	*0201	*1101	*5502	*1525	*0303	*0403	SSP
3904	Cooper,Shann	*02	*11	*55	*1525	*0303/11	*04	SSP
5130	Costeas,Paul	*0201	*1101/13	*5502	*1525	*0303	*0403	SSP
779	Daniel,Claud	*02	*11	*55	*15(B62)	*0303	*04	PCR-SSP
3625	Darke,Christ	*0201	*1101	*5502	*1525	*0303	*0403	PCR-SSP,SBT
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*02	*11	*55	*1506/25/39/40+	*0303/11-13/18+	*04	SSP
3766	Dunn,Paul	*02	*11	*55	*1525	*03	*0403	SSO
856	Dupont,Bo	*0201+	*1101+	*5501+/*5611	*1525/42	*0303/11/13/20N+	*0403	SSO
5214	Eckels/CPMC	*02	*11	*55	*1525	*03(Cw9)	*0403	SSOP
2332	Elkhalifa,Mo	*02	*11	*55	*15	*03	*04	
4251	Ellis,Thomas	*0201	*1101	*5502	*1525	*0303/20N	*0403	PCR-SSO,SEQ
762	Fischer&Mayr	*0201	*1101/12/21N	*5502	*1525	*0304	*0403	RSSO,SBTex1-3
729	Fotino,Maril	*02	*11	*55	*15	*03	*04	
8043	Gideon,Osna	*02	*11	*55	*15	*03	*04	
810	Hamdi,Nuha	*02010102L	*110101	*550201	*1525	*0320N	*0403	SSO
3808	Hogan,Patric	*02	*11	*55	*1525	*03	*04	SSP
771	Israel,Shosh	*02	*11	*55	*1525	*03	*04	PCR-SSOP
859	Kamoun,Malek	*0201	*1101	*5502	*1525	*0303	*0403	SSP
4337	Kim,Tai-Gyu	*0201	*1101	*5502	*1525	*0303	*0403	
168	Klein,Tirza	*0201	*1101	*5502	*1525	*0303	*0403	PCR-SSP,SSO
278	Lee, Jar-How	*0201/24/66/94N+	*1101/21N/22/29+	*5502	*1525	*0303/20N/22Q/30	*0403	SSP,RVSSOP
759	Lefor,W.M.	*0201/07/09/18/20+	*1101-03/06/07+	*5502/12/19	*1525	*0303/11/12/30	*0403	RVSSO
731	Loewenthal,R	*020101	*110101	*550201	*1525	*030301/20N	*0403	SBT,SSO
8029	Mani,Rama	*02	*11	*55	*15			PCR-SSP
792	Moore,S.Brea	*0201	*1101	*5502	*1525	*0303	*0403	PCR-SSO,SSP
774	Paik,Young	*0201/24/66/92/95+	*11	*5502/19/26	*1525	*03	*0403/06/16	SSP,SSOP
4336	Park,Myoung	*02	*11	*55	*1525	*03	*0406	RVSSO,SSP
16	Pidwell,Dian	*020101	*110101	*550201	*1525	*030301/20N//*0349	*0403//*0406	PCR-RSSOP,SBT
4689	Rajczyk,Katal	*02	*1101/02/07/09/12+	*5502/19/26	*1525	*0303/11/12/18+	*0403/06	PCR-SSP,SSO
5200	Reinke,Dennis	*02	*11	*55	*1525	*03(Cw9)	*04	SSP
1160	Rosen-Bronso	*02	*11	*55	*1525	*03	*0403	RVSSO
793	Rubocki,Ron	*02	*11	*55	*15(B62)			SSP
4948	Sage,Deborah	*0201/27/34/90+	*1101/06/19/31+	*5502	*1525	*0303/20	*0403	
8001	Sheikh,Maqso	*02	*11	*55	*1525	*03	*04	RVSSO,SSP
769	Tavoularis,S	*0201/01L	*1101	*5502	*1525	*0303/49	*0403/06	SSO,SBT,SSP
5451	Tilanus,Marc	*020101	*110101	*550201	*1525	*030301	*0403	SBT
5462	Turner,E.V.	*0201	*1101	*5502	*1525	*0303	*0403	SEQ,SSP,SSO
705	Watkins,Davi	*0201g	*11	*55	*1505/06/20/25+	*0303/11/12/18+	*04	PCR-SSP
5670	Wetmore,Mari	*02	*11	*55	*15(B62)	*03(Cw9)	*04	SSP

INVESTIGATOR	CELL NO.1351 (Caucasian)							
CTR	NAME	A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*020101	*6601	*4102	*4427	*070401	*1703	SSO,SSP,SBT
5106	Brown,Colin	*02	*66	*4102	*44	*0704/11	*1701-04	PCR-RSSOP,SBT
4492	Charron,D.	*02	*66	*41	*44	*07	*17	PCR-SSP
798	Claas, F.H.J.	*020101	*6601	*4102	*4427	*070401	*1703	SBT,SSP
3632	Colombe,Beth	*0201	*6601	*4102	*4402	*0704	*1703	SSP
3904	Cooper,Shann	*02	*6601/04-07	*41	*44	*07	*17	SSP
5130	Costeas,Paul	*0201	*6601	*4102	*4427	*0704	*1703	SSP
779	Daniel,Claud	*02	*66	*4101-04/06/07	*44	*07	*1701-04	PCR-SSP
3625	Darke,Christ	*0201	*6601	*4102	*4427	*0704	*1701-03	PCR-SSP,SBT
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*02	*66	*41	*44	*07	*17	SSP
3766	Dunn,Paul	*02	*6601/04	*4102	*44	*0704/11	*17	SSO
856	Dupont,Bo	*0201/35	*6601/04-06/*2603+	*4102	*4402+	*0704/11/12/45	*1701-04	SSO
5214	Eckels/CPMC	*02	*66	*4102	*44	*07	*17	SSOP
2332	Elkhalifa,Mo	*02	*66	*41	*44	*07	*17	
4251	Ellis,Thomas	*0201	*6601	*4102	*4427	*0704/11	*1701-03	PCR-SSO,SEQ
762	Fischer&Mayr	*0201	*6601/05/08/*2603+	*41	*44	*0704/11	*1703	RSSO,SBTex1-3
729	Fotino,Maril	*02	*66	*41	*44	*07	*17	
8043	Gideon,Osna	*02	*66	*41	*44	*07	*17	
810	Hamdi,Nuha	*02010101	*6601	*4102	*44020101	*070401	*1701	SSO
3808	Hogan,Patric	*02	*66	*41	*44	*0704/11/12	*17	SSP
771	Israel,Shosh	*02	*66	*41	*44	*07	*17	PCR-SSOP
859	Kamoun,Malek	*0201	*6601	*4102	*4402	*0704	*1703	SSP
4337	Kim,Tai-Gyu	*0201	*6601	*4102	*4402	*0704	*1701/02	
168	Klein,Tirza	*02	*66	*41	*44	*07	*17	PCR-SSP,SSO
278	Lee,Jar-How	*0201/24/66/94N+	*6601	*4102	*4402/33/52N/53	*0704	*1703	SSP,RVSSOP
759	Lefor,W.M.	*0201/07/09/18/20+	*6601/04	*4102	*4402/27/33/35+	*0704/11	*17	RVSSO
731	Loewenthal,R	*020101	*6601	*4102	*4427	*070401/11	*1701-03	SBT,SSO
8029	Mani,Rama	*02	*66	*41	*44			PCR-SSP
792	Moore,S.Brea	*0201	*6601	*4102	*4427	*0704	*1703	PCR-SSO,SSP
774	Paik,Young	*0201/24/66/92/95+	*6601/04-07	*4102	*44	*07	*17	SSP,SSOP
4336	Park,Myoung	*02	*66	*4102	*44	*0704/11/12/45	*1701-04	RVSSO,SSP
16	Pidwell,Dian	*020101	*6601	*4102	*4427	*070401/11	*1701-03	PCR-RSSOP,SBT
4689	Rajczyk,Katal	*02	*6601/04/06	*4102/03/08	*4402/03/26/29+	*0704/11/12/45	*1701-04	PCR-SSP,SSO
5200	Reinke,Dennis	*02	*66	*4102	*44	*07	*17	SSP
1160	Rosen-Bronso	*02	*66	*4102	*44	*07	*17	RVSSO
793	Rubocki,Ron	*02	*66	*41	*44			SSP
4948	Sage,Deborah	*0201	*6601	*4102	*4402/19N/27	*0704/11	*1701-03	
8001	Sheikh,Maqso	*02	*66	*41	*44	*07	*17	RVSSO,SSP
769	Tavoularis,S	*0201/01L	*6601	*4102	*4427	*0704	*1703	SSO,SBT,SSP
5451	Tilanus,Marc	*020101	*6601	*4102	*4427	*070401	*1703	SBT
5462	Turner,E.V.	*0201	*6601	*4102	*4427	*0704	*1703	SEQ,SSP,SSO
705	Watkins,Davi	*0201g	*6601/04/06/07	*41	*4402g	*0701g	*1701-04	PCR-SSP
5670	Wetmore,Mari	*02	*66	*41	*44	*07	*17	SSP

INVESTIGATOR	CELL NO.1352 (Hispanic)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
745 Anthony Nola	*01010101	*680301	*1401	*3543	*010201	*0802	SSO,SSP,SBT
5106 Brown,Colin	*01	*6803	*1401	*3543	*01	*0802	PCR-RSSOP,SBT
4492 Charron,D.	*01	*68	*14	*35	*01	*08	PCR-SSP
798 Claas,F.H.J.	*01010101	*6803	*1401	*3543	*010201	*0802	SBT,SSP
3632 Colombe,Beth	*0101	*6803	*1401	*3543	*0102	*0802	SSP
3904 Cooper,Shann	*01	*68	*1401	*3543/67/79	*01	*08	SSP
5130 Costeas,Paul	*0101	*6803	*1401	*3543	*0102	*0802	SSP
779 Daniel,Claud	*01	*68	*1401	*3543/44/67/79	*01	*08	PCR-SSP
3625 Darke,Christ	*0101	*6803	*1401	*3543	*0102	*0802	PCR-SSP,SBT
4269 Dormoy,Anne	NT						
3186 Dunckley,Hea	*01	*68	*1401/04/07N	*35	*01	*08	SSP
3766 Dunn,Paul	*01	*6803/24	*1401	*3543	*0102/05	*08	SSO
856 Dupont,Bo	*0101+	*6803/24	*1401/07N	*3543/67/79	*0102+	*0802/07/15	RVSSO
5214 Eckels/CPMC	*01	*68	*1401	*35	*01	*08	SSOP
2332 Elkhalfifa,Mo	*01	*68	*14	*35	*01	*08	
4251 Ellis,Thomas	*0101	*6803	*1401	*3543	*0102	*0802	PCR-SSO,SEQ
762 Fischer&Mayr	*0101/0102N/04N+	*6803	*1401	*3543/67/79	*0102	*0802	RSSO,SBTex1-3
729 Fotino,Maril	*01	*68	*14	*35	*01	*08	
8043 Gideon,Osna	*01	*68	*14	*35	*01	*08	
810 Hamdi,Nuha	*01010101	*680301	*1401	*3543	*010201	*0802	SSO
3808 Hogan,Patric	*01	*6803-05/20/24	*1401/04/07N	*3543/67/79/86	*01	*08	SSP
771 Israel,Shosh	*01	*68	*14	*35	*01	*08	PCR-SSOP
859 Kamoun,Malek	*0101	*6803	*1401	*3543	*01	*0802	SSP
4337 Kim,Tai-Gyu	*0101	*6803	*1401	*3543	*0102	*0802	
168 Klein,Tirza	*01	*68	*14	*35	*01	*08	PCR-SSP,SSO
278 Lee,Jar-How	*0101/11N/16N/18N+	*6803	*1401	*3543/67	*0102/11-13/15-19	*0802	SSP,RVSSOP
759 Lefor,W.M.	*0101/09/17/25/29	*6803/24	*1401	*3543/67	*0102/03/07/08/11+	*0802/05	RVSSO
731 Loewenthal,R	NT						
8029 Mani,Rama	*01	*68	*14	*35			PCR-SSP
792 Moore,S.Brea	*0101	*6803	*1401	*3543	*0102	*0802	PCR-SSO,SSP
774 Paik,Young	*01	*68	*1401	*3543/67/79	*01	*08	SSP,SSOP
4336 Park,Myoung	*01	*6803/24	*1401/07N	*3543/67	*01	*0302/07	RVSSO,SSP
16 Pidwell,Dian	*010101	*680301	*1401	*3543	*010201	*0802	PCR-RSSOP,SBT
4689 Rajczyk,Katal	*0101/03/09/21/23+	*6803/24	*1401	*3543/67/79	*0102/03/05/06+	*0802/04/07+	PCR-SSP,SSO
5200 Reinke,Dennis	*01	*68	*14(B64)	*35	*01	*08	SSP
1160 Rosen-Bronso	*01	*68	*1401	*35	*01	*08	RVSSO
793 Rubocki,Ron	*01	*68	*14(B64)	*35			SSP
4948 Sage,Deborah	*0101	*6803	*1401	*3543/67/79	*0102	*0802	
8001 Sheikh,Maqso	*01	*68	*1401	*35	*01	*08	RVSSO,SSP
769 Tavoularis,S	*0101/01N	*6803	*1401	*3543	*0102	*0802	SSO,SBT,SSP
5451 Tilanus,Marc	*01010101	*680301	*1401	*3543	*0102	*0802	SBT
5462 Turner,E.V.	*0101	*6803	*1401	*3543	*0102	*0802	SEQ,SSP,SSO
705 Watkins,Davi	*01	*68	*1401/07N	*3543/44/67/79	*01	*0802/04/05+	PCR-SSP
5670 Wetmore,Mari	*01	*68	*14(B64)	*35	*01	*08	SSP

Cell 1349 (Caucasian)		Cell 1350 (Chinese)		Cell 1351 (Caucasian)		Cell 1352 (Hispanic)	
<u>43 labs</u>		<u>43 labs</u>		<u>43 labs</u>		<u>42 labs</u>	
A*31	63%	A*02	60%	A*02	60%	A*01	64%
A*3101	23%	A*0201	26%	A*0201	26%	A*0101	24%
A*310102	14%	A*020101	12%	A*020101	12%	A*010101	2%
A*31	100% TOTAL	A*02010102L	2%	A*02010101	2%	A*01010101	10%
		A*02	100% TOTAL	A*02	100% TOTAL	A*01	100% TOTAL
A*33	56%						
A*3301	44%	A*11	65%	A*66	56%	A*68	45%
A*33	100% TOTAL	A*1101	21%	A*6601	39%	A*6803/24	12%
		A*110101	14%	A*66	95% TOTAL	A*6803	33%
		A*11	100% TOTAL			A*680301	10%
						A*68	100% TOTAL
<u>43 labs</u>		<u>43 labs</u>		<u>43 labs</u>		<u>42 labs</u>	
B*14	37%	B*55	54%	B*41	40%	B*14	36%
B*1402	47%	B*5502	30%	B*4102	60%	B*1401	64%
B*140201	16%	B*550201	14%	B*41	100% TOTAL	B*14	100% TOTAL
B*14	100% TOTAL	B*55	98% TOTAL				
				B*44	65%	B*35	41%
B*27	40%	B*15	23%	B*4402	7%	B*3543/67/79	14%
B*2707	60%	B*1525	77%	B*44020101	2%	B*3543/67	7%
B*27	100% TOTAL	B*15	100% TOTAL	B*4427	26%	B*3543	38%
				B*44	100% TOTAL	B*35	100% TOTAL
<u>41 labs</u>		<u>40 labs</u>		<u>41 labs</u>		<u>40 labs</u>	
Cw*08	56%	Cw*03	65%	Cw*07	49%	Cw*01	62%
Cw*0802	42%	Cw*0303	22%	Cw*0704/11	14%	Cw*0102	28%
Cw*08	98% TOTAL	Cw*030301	7%	Cw*070401/11	5%	Cw*010201	10%
		Cw*0304	3%	Cw*0704	22%	Cw*01	100% TOTAL
Cw*15	68%	Cw*0320N	3%	Cw*070401	10%		
Cw*1502	20%	Cw*03	100% TOTAL	Cw*07	100% TOTAL	Cw*08	55%
Cw*150201	10%					Cw*0802	45%
Cw*15	98% TOTAL	Cw*04	40%	Cw*17	71%	Cw*08	100% TOTAL
		Cw*0403	58%	Cw*1701	2%		
		Cw*0406	2%	Cw*1703	27%		
		Cw*04	100% TOTAL	Cw*17	100% TOTAL		

INTERNATIONAL CELL EXCHANGE

		***** CELL NO.1349 *****						***** CELL NO.1350 *****						***** CELL NO.1351 *****						***** CELL NO.1352 *****																			
		V (CAUC)						V (CHIN)						V (CAUC)						V (HISP)																			
INVESTIGATOR	DAYS	A	A	B	B	C	B	B	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B							
NAME	OLD	%	1	3	4	7	8	4	6	OTHERS	%	1	5	2	3	4	6	OTHERS	%	6	1	4	7	1	4	6	OTHERS	%	8	4	5	1	8	6	OTHERS				
Abbal, M. Pro	3	100	+	+	+	+	+	+			100	+	+	+	+	+						98	+	+	+	+	+			98	+	+	+	+	+				
Alonso, Anton	8	90	+	+	64	+	+	+	CW4		90	+	+	+	+	+W4	+						90	+	+	+	+	+			90	+	+	64	+	+			
Alvarez, Carr	6	95	+	+	65	+	+	+			95	+	+	+	22	+	+						95	+	+	+	+	+			95	+	+	+	+	+			
Anthony Nola	3	99	+	+	+	+	+	+			99	+	+	+	+	+							99	+	+	+	+	+			99	+	+	+	+	+			
Baker, Judy	8	99	+	+	65	+	+	+			99	+	+	+	+	+							99	+	+	+	+	+			99	+	+	64	+	+			
Berka, Noured	2	90	+	+	+	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+			90	+	+	28	+	+	+	+	+
Bow, Laurine	7	99	+	+	+	+	+	+			99	+	+	+	+	+W6	+						98	+	+	+	+	+			98	+	+	28	+	+	+	+	+
Burger, Joe	2	99	+	+	65	+	+	+	B72		99	+	+	+	+	+W6	+						99	+	01	+	+	+	+		99	+	+	65	+	+	+	+	B70
Chan MD, Soh	4	95	+	+	+	+	+	+			95	+	+	+	+	W6	+						95	+	+	+	+	+			95	+	+	+	+	+	+		
Charron, D. P	5	99	+	+	+	+	+	+			95	+	+	2215	+	+							90	+	+	+	+	+			95	+	+	+	+	+	+		
Choo, Yoon MD	2	99	+	+	65	+	+	+	CW2		99	+	+	+	+	+							99	+	01	+	+	+	+		99	+	+	2865	+	+	+	+	+
Claas, F.H.J.	6	90	+	+	+	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+			90	+	+	+	+	+	+		
Cooper, E. Sh	2	99	+	+	65	+	+	+			99	+	+	+	+	+							99	+	+	+	+	+			99	+	+	64	+	+	+		
Daniel, Dolly	6	98	+	+	+	+	+	+			99	+	0122	+	+	+							97	+	01	+	+	+	+		99	+	+	+	+	+	+		
Darke, Christ	6	90	+	+	65	+	+	+	CW2S, BW4S		90	+	+	+	+	+03	+						90	+	+	+	+	+	+		90	+	+	64	+	+	+	+	+
Du Toit, Erne	9	60	+	+	64	+	+	+			60	+	01	+	+	+							60	+	01	+	+	+			60	+	+	64	+	+	+	+	
Dunckley, Hea	8	99	+	+	+	+	+	+			99	+	+	+	+	+							99	+	+	+	+	+			99	+	+	+	+	+	+		
Dunk, Arthur	2	98	+	+	+	+	+	+			98	+	+	+	+	+W6	+						98	+	+	+	+	+	+		98	+	+	28	+	+	+	+	+
Dunn, Paul Ph	6	95	+	+	65	+	+	+			95	+	+	+	+	+							95	+	+	+	+	+			95	+	+	64	+	+	+	+	
Eckels/CPMC,	2	90	+	+	65	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+			90	+	+	64	+	+	+	+	
Eckels/Utah,	3	99	+	+	+	+	+	+			98	+	+	22	+	+W6	+						98	+	+	+	+	+	+		97	+	+	+	+	+	+	+	
Esteves Kond	2	100	+	+	65	+	+	+			100	+	01	+	+W9W4	+							100	+	01	+	+	+	+	+	100	+	+	64	+	+	+	+	+
Fischer, Joha	6	99	+	+	65	+	+	+			99	+	+	+	+	+							90	+	+	+	+	+			99	+	+	64	+	+	+	+	
Fotino, Maril	2	90	+	+	65	+	+	+			90	+	+	+	+	+W6	+						90	+	+	+	+	+			90	+	+	+	+	+	+	+	
Foxcroft, Z.K	6	90	+	+	+	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+			90	+	+	+	+	+	+	+	
Gideon, Osna	6	90	+	+	65	+	+	+			90	+	+	+	+	+							???	+	10	+	+	+	+	???	+	+	28	+	+	+	+	+	
Goggins, R.	3	99	+	+	+	+	+	+			98	+	+	+	+	+							98	+	+	+	+	+			99	+	+	28	+	+	+	+	+
Hahn, Amy B.	2	99	+	+	65	+	+	+	CW2		99	+	01	+	+W9W6	+							99	+	01	+	+	+	+		99	+	+	64	+	+	+	+	B70
Henrico Doct	9	90	+	+	65	+	+	+			90	+	+	+	+	+							95	+	+	+	+	+			95	+	+	64	+	+	+	+	
Hirankarn MD	6	82	+	+	+	+	+	+			84	+	.1	+	+	+							82	+	+	+	+	+			85	+	+	64	+	+	+	+	+
Hogan, Patric	7	85	+	+	65	+	+	+			85	+	+	+	+	+W4	+						80	+	+	+	+	+	+		85	+	+	64	+	+	+	+	+
Holdsworth, R	6	96	+	+	65	+	+	+			98	+	+	+	+	+							98	+	+	+	+	+			98	+	+	64	+	+	+	+	B70
Hubbell, Char	2	95	+	+	65	+	+	+			95	+	+	+	+	+							95	+	+	+	+	+			95	+	+	64	+	+	+	+	
Ichikawa MD,	10	???	+	+	+	+	+	+	CW2		???	+	+	+	+	+							???	+	+	+	+	+			???	+	+	+	+	+	+	+	
Israel, Shosh	6	95	+	+	65	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+			90	+	+	64	+	+	+	+	+
Jaramillo, An	2	98	+	+	65	+	+	+	CW2		98	+	+	+	W9W4	+							99	+	01	+	+	+	+		98	+	+	64	+	+	+	+	+
Keown, Paul M	3	98	+	+	+	+	+	+			98	+	+	22	+	+							97	+	10	+	+	+	+		97	+	+	28	+	+	+	+	+
Kim, Kyeong-H	14	90	+	+	+	+	+	+	B7, B37		90	+	+	+	+	+W6	+						90	+	10	+	+	+	+		90	+	+	+	+	+	+	+	A69
Klein, Tirza	5	90	+	+	+	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+	+		90	+	+	+	+	+	+	+	
Kvam, Vonnett	3	98	+	+	65	+	+	+			97	+	+	+	+	+W6	+						98	+	01	+	+	+	+		98	+	+	2864	+	+	+	+	+
Lardy, N.M. D	8	90	+	+	+	+	+	+			90	+	+	+	+	+							90	+	+	+	+	+			90	+	+	28	+	+	+	+	+
Lebeck, Laura	2	98	+	+	+	+	+	+	2708		98	+	+	+	+	+W6	+						98	+	+	+	+	+			98	+	+	28	+	+	+	+	+
Lefor, W.M. P	2	99	+	+	65	+	+	+			99	+	+	+	+	+W6	+						99	+	+	+	+	+	+		99	+	+	64	+	+	+	+	+
Lim, Young Ae	6	90	+	+	65	+	+	+	CX15		90	+	+	+	+	+W4	+						90	+	+	+	+	+	+		90	+	+	64	+	+	+	+	+
Lo, Raymundo	5	98	+	+	+	+	+	+	B61		98	+	+	+	+	+							98	+	+	+	+	+			98	+	+	+	+	+	+	B18	
Loewenthal M	12	???	+	+	+	+	+	+			???	+	+	+	+	+W4	+						???	+	+	+	+	+			NT	+	+	+	+	+	+	+	
MacCann, Eile	2	98	+	+	+	+	+	+			98	+	+	+	+	+							98	+	01	+	+	+	+		98	+	+	+	+	+	+	+	+
Mah, Helen	3	98	+	+	65	+	+	+			98	+	+	+	+	+W4	+						98	+	01	+	+	+	+		98	+	+	64	+	+	+	+	+
McAlack, Robe	2	97	+	+	65	+	+	+			97	+	+	22	+	+	+						97	+	01	+	+	+	+		98	+	+	64	+	+	+	+	+
McAlack-Bala	2	98	+	+	65	+	+	+	CW2		98	+	+	+	+	+W6	+						99	+	01	+	+	+	+		99	+	+	64	+	+	+	+	+

INTERNATIONAL CELL EXCHANGE

		***** CELL NO.1349 *****						***** CELL NO.1350 *****						***** CELL NO.1351 *****						***** CELL NO.1352 *****															
		(CAUC)						(CHIN)						(CAUC)						(HISP)															
INVESTIGATOR		A	A	B	B	C	B	B	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B			
DAYS		B	3	3	1	2	W	W	W	B	2	1	5	6	W	X	W	B	2	6	4	4	W	X	W	W	B	1	6	1	3	W	W	W	
NAME	OLD	%	1	3	4	7	8	4	6	OTHERS	%	1	5	2	3	4	6	OTHERS	%	6	1	4	7	1	4	6	OTHERS	%	8	4	5	1	8	6	OTHERS

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Meyer, Pieter	17	80	+	+	+	+			80	+	+	+	+	+			85	+10	+	+	+	CW1	80	+	+	+	+							
Murad, Shahna	15	C							C								C																	
Norin, Allen	2	99	+	+	+65	+	+	+	99	+	+	+	+	+		99	+	+	+	+	+	+	99	+	+64	+	+							
Paik, Young K	3	95	+	+	+65	+	+	+	95	+	+	+	+W9W4	+		95	+	+	+	+	+	+	95	+	+64	+	+	+						
Pais, Maria L	8	99	+	+	+65	+			99	+	+	+	+			99	+	+	+	+			99	+	+64	+								
Park, Myoung	7	85	+	+	+	+	+	+	+	90	+	+	+	+	+			80	+	+	+	+	+	+	85	+28	+	+	+	+				
Permpikul, Ve	7	90	+	+	+	+	+	+	+	90	+01	+	+	+	+		85	+	+	+	+	A26		85	+28	+	+	+						
Phelan, Donna	2	98	+	+	+65	+	+	+	98	+	+	+	+W4	+		98	+	+	+	+	+	+		98	+	+64	+	+	+					
Pidwell, Dian	2	90	+	+	+	+	+	+	+	90	+	+22	+	+X6	+	B22V	90	+01	+	+	+	+	+	+	90	+	+	+	+	+	+	B35V		
Rajczyk, Katal	3	95	+	+	+64	+	+	+	95	+	+	+	+	+	B42	95	+	+	+	+	+	+	95	+2865	+	+	+							
Rosen-Bronso	2	90	+	+	+65	+			90	+	+	+	+		B75	90	+	+	+	+			90	+	+64	+								
Rosenberg, J.	2	98	+	+	+65	+	+	+	98	+	+	+	+W6	+		98	+	+	+	+	+	+		98	+	+64	+	+	+					
Rubocki, Rona	2	99	+	+	+65	+	+	+	99	+	+	+	+	+		99	+	+	+	+	+	+	99	+2864	+	+	+							
Sauer, Guttwa	3	100	+	+	+65	+	+	+	90	+	+	+	+	+		95	+	+	+	+	+	+	90	+	+64	+	+	+						
Semana MD, Gi	16	NT							80	+	+	15	+	B56	80	+10	+	+	+	+	+	B45		80	+28	+	+	+						
Sperry, Roxan	2	98	+	+	+	+	+	+	+	98	+	+	+	+	+		98	+01	+	+	+	+	+		98	+28	+	+	+	+				
Stamm, Luz	2	90	+	+	+65	+	+	+	95	+	+	+	+W9	+		95	+	+	+	+	+	+	95	+	+64	+	+	+						
Tagliere, Jac	1	100	+	+	+65	+	+	+	100	+	+	+	+W4	+		100	+	+	+	+	+	+	100	+	+64	+	+	+						
Tilanus, Marc	6	???	+	+	+	+	+	+	???	+	+	+	+	+		???	+	+	+	+	+	+	???	+28	+	+	+							
Vidan-Jeras,	6	100	+	+	+65	+	+	+	100	+	+	+	+	+		100	+	+	+	+	+	+		100	+	+65	+	+						
Walter Reed	2	97	+	+	+64	+	+	+	97	+	+	+	+W6	+		97	+10	+	+	+	+	+		97	+28	+	+	+	+	B70V				
Ward, Osowski	4	95	+	+	+65	+	+	+	95	+	+	+	+W4	+		95	+01	+	+	+	+	+		95	+	+65	+	+	+					
Watkins, Davi	7	90	+	+	+	+	+	+	90	+	+22	+	+W6	+		85	+01	+	+	+	+	+	90	+28	+	+	+	B75						
Wetmore, Mari	7	99	+	+	+	+	+	+	99	+	+	+	+W9W6	+		99	+	+	+	+	+	+	99	+2864	+	+	+	B70						
Wisecarver, J	8	98	+	+	+	+	+	+	98	+	+	+	+	+		98	+	+	+	+	+	+	98	+28	+	+	+							

 * *
 * SUMMARY TABLE *
 * *

(CAUC)
 **** CELL 1349 ****
 (73 SAMPLES TYPED)
 A31 98.6%
 (98.6%)

 A33 100.0%
 (100.0%)

 B14 42.5%
 B64 5.5%
 B65 50.7%
 (98.6%)

 B27 97.3%

 CW8 54.8%

 BW4 87.7%

 BW6 93.2%

(OTHERS FOUND)
 CW2 11.0%
 CX15 4.1%
 B37 1.4%
 B7 1.4%
 2708 1.4%
 BW4S 1.4%
 CW2S 1.4%
 CW4 1.4%
 B72 1.4%
 A30 1.4%
 B61 1.4%
 B27V 1.4%

(CHIN)
 **** CELL 1350 ****
 (74 SAMPLES TYPED)
 A2 100.0%
 (100.0%)

 A11 91.9%
 11.1 1.4%
 1101 6.8%
 (100.0%)

 B55 85.1%
 B22 10.8%
 (95.9%)

 B62 95.9%
 B15 2.7%
 (98.6%)

 CW3 54.1%
 CW9 8.1%
 (62.2%)

 CX4 0.0%
 CW4 14.9%
 CW6 21.6%
 C403 1.4%
 C4X6 1.4%
 (39.2%)

 BW6 93.2%

(OTHERS FOUND)
 B75 2.7%
 B56 2.7%
 B42 1.4%
 CW5 1.4%
 B22V 1.4%

(CAUC)
 **** CELL 1351 ****
 (74 SAMPLES TYPED)
 A2 100.0%
 (100.0%)

 A66 60.8%
 6601 21.6%
 A10 8.1%
 (90.5%)

 B41 95.9%

 B44 97.3%
 (97.3%)

 CW7 55.4%

 CX17 28.4%

 BW4 85.1%

 BW6 93.2%

(OTHERS FOUND)
 A26 10.8%
 B45 4.1%
 CW1 2.7%
 CW2 1.4%
 CW6 1.4%
 CW8 1.4%
 A34 1.4%
 B44V 1.4%

(HISP)
 **** CELL 1352 ****
 (72 SAMPLES TYPED)
 A1 100.0%

 A68 69.4%
 A28 30.6%
 (100.0%)

 B14 45.8%
 B64 45.8%
 B65 6.9%
 (98.6%)

 B35 93.1%

 CW1 52.8%

 CW8 54.2%

 BW6 93.1%

(OTHERS FOUND)
 B70 5.6%
 A69 1.4%
 BW4 1.4%
 B5 1.4%
 CW4 1.4%
 B70V 1.4%
 B75 1.4%
 B18 1.4%
 B35V 1.4%