

# REPORT OF THE 343rd CELL EXCHANGE

## AUGUST 5, 2009

B-Cell Line	425-428
Serum	993-1000
DNA Extract	457-460
Cells	1369-1372

### B-cell line Exchange

We wish to express many thanks to **Eric Mickelson and John Hansen, Fred Hutchinson Cancer Research Center, Seattle; Franz Claas, Leiden University Medical Centre, Leiden; and Helen Bass, Jane Rowlands, and Tracey Rees, Wales Blood Service, Pontyclun**, in providing challenging cells to study in our exchanges.

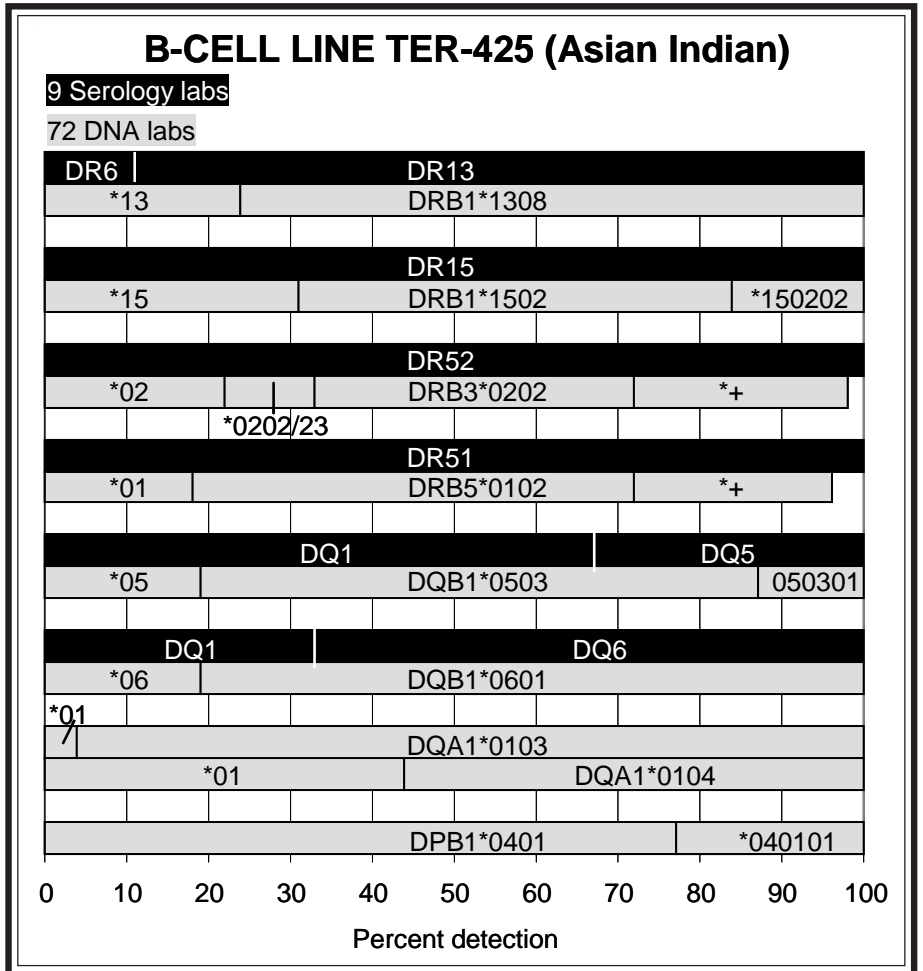
**TER-425.** This cell from an Asian Indian individual was the reference DRB1\*1308 cell named THA, as described by Horne et al. (1), and was correctly identified by Ball. THA was typed in the workshops as IHW#9327. This cell was also previously studied as TER-332 (2003), as noted by Ball, Clark, Hahn, Hanau, Lopez-Cepero, Mah, Stamm, and Tiercy, and remains the sole DRB1\*1308 typed in the Cell Exchange.

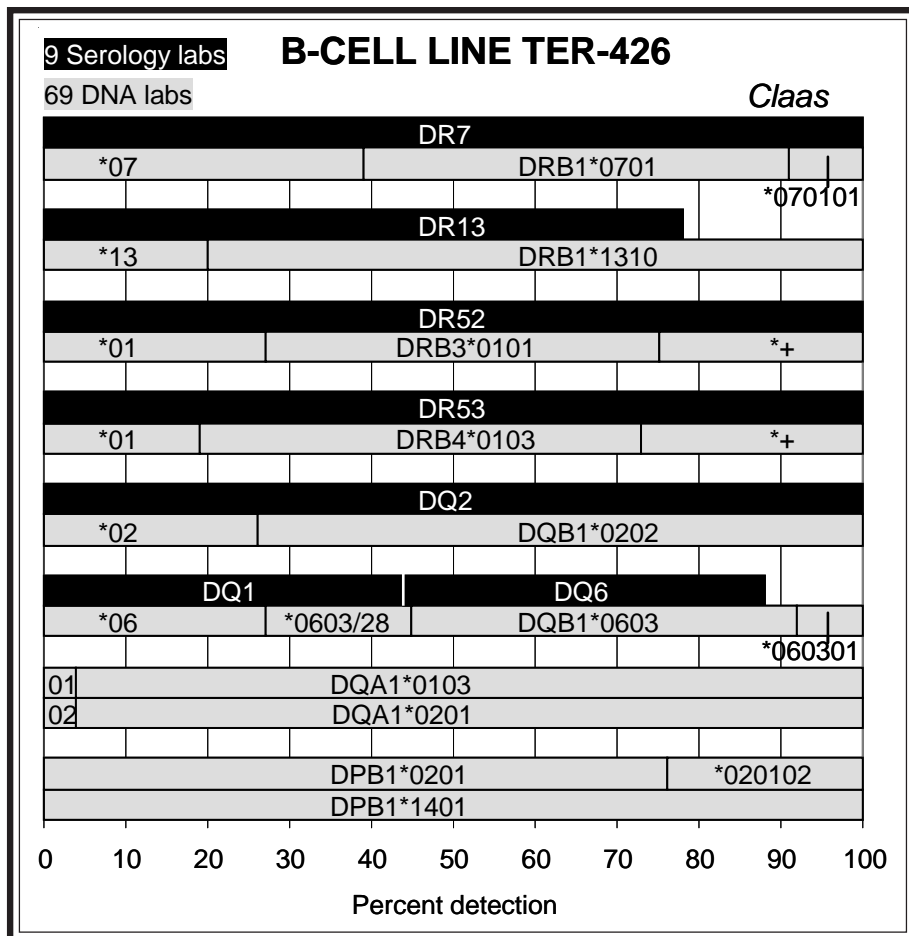
In this present retyping, the rare DRB1\*1308 was detected by 76%, similar to the 78% detection level in 2003. DR13 was assigned by 89%.

DRB1\*1308-DRB3\*0202-DQB1\*0503-DQA1\*0104 and DRB1\*1502 (\*150202)-DRB5\*0102-DQB1\*0601-DQA1\*0103 were the probable haplotypes. The majority of DRB1\*13 alleles are usually found in association with DQB1\*03 or DQB1\*06 alleles. The same DRB1\*1502 haplotype found in this cell was also detected in TER-242 (Asian Indian) and TER-389.

All 22 labs typing for DPB1 alleles reported the cell as DPB1\*0401 (\*040101). J.Lee could not rule out DPB1\*2302N, DPB1\*2402, or DPB1\*6601, and Lopez-Cepero could not rule out DPB1\*9901 as the second DPB1 allele.

In the 2003 typing, DPA1\*01 was reported by Costeas and Darke, with Costeas assigning DPA1\*0103/07.





**TER-426.** This cell was ARA, also known as TER157, TER219, and TER281, which serves as a reference cell for DRB1\*1310. ARA was described by Anholts et al. (2), "Except for nt position 211, the nt sequence appeared to be identical to that of DRB1\*1301..." It was previously typed for class II as TER-219 (1998) and TER-281 (2001), as correctly identified by Ball, Hahn, Lopez-Cepero, Mah, Stamm and Tiercy, and for class I as extract 157, as noted by Ball. In the same 1998 study, a sibling of this donor was typed as TER-220 and was retyped as TER-343 in 2004. The sibling also serves as a DRB1\*1310 reference cell, named TER343. The same DRB1\*13 allele was also typed in TER-382 from an unrelated individual, known as 13976036, another reference cell for DRB1\*1310.

In this present retyping, DRB1\*1310 was reported by 80%, similar to the 2001 detection level of 77%, showing a marked increase over the 55% level in the initial typing over 10 years ago. DR13 was assigned by 78%.

DPB1\*0201 (\*020102) and DPB1\*1401 were assigned in complete consensus.

When typed as extract 157 (2001), the class I typing results were A\*1101, A\*2402, B\*0702, B\*4006, Cw\*0702, Cw\*1202. B\*40060102 was assigned by Marsh and Madrigal in the 2001 typing.

From family studies and exchange data, the haplotypes in this cell were A\*1101-B\*4006-Cw\*1202-DRB1\*1310-DRB3\*0101-DQB1\*0603-DQA1\*0103-DPB1\*0201 and A\*2402-B\*0702-Cw\*0702-DRB1\*0701-DRB4\*0103-DQB1\*0202-DQA1\*0201-DPB1\*1401.

**TER-427.** This cell from a Black donor was HW, the DRB1\*110802 reference, as described by Smith et al. (3), and was correctly identified by Tiercy. HW was typed in recent workshops as IHW#9431. The cell was previously studied as TER-307 (2002), as noted by Hahn, Hanau, Lopez-Cepero, Stamm, and Tiercy, and was the first DRB1\*1108 cell to be typed in the Cell Exchange.

In this present retyping, the rare DRB1\*1108 (81%) was detected by the majority of the labs. Eight labs, including Adams, Baker, Barnardo, Hanau, Hartzman and Hurley, Reinsmoen, Tiercy, and Tilanus, correctly assigned DRB1\*110802. DR11 was assigned in complete consensus.

DQ2 was the sole DQ type, confirmed as DQB1\*0202 by 69%.

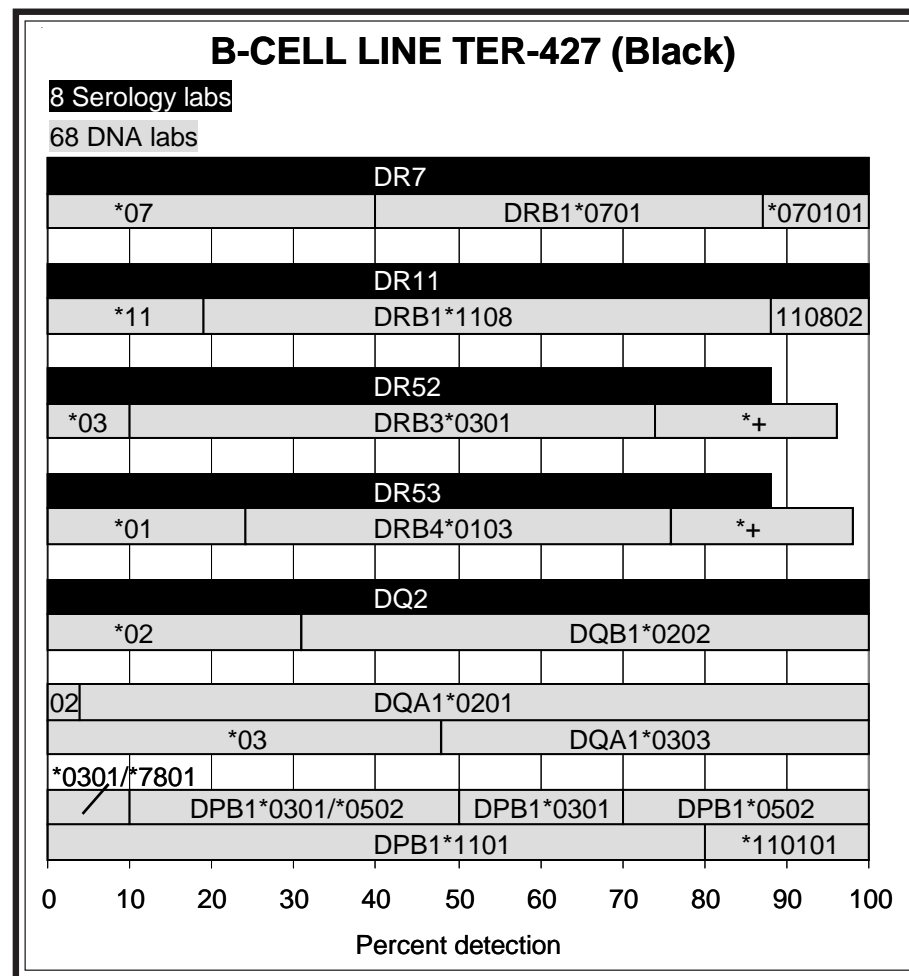
The probable haplotypes in this cell were the common DRB1\*0701-DRB4\*0103-DQB1\*0202-DQA1\*0201 and the unusual DRB1\*110802-DRB3\*0301-DQB1\*0202-DQA1\*0303. DRB1\*11 is usually found in association with DRB3\*0202 and either DQA1\*0501 or DQA1\*0505.

In the 2002 typing, DPA1\*0103 and DPA1\*0201 were assigned by Costeas.

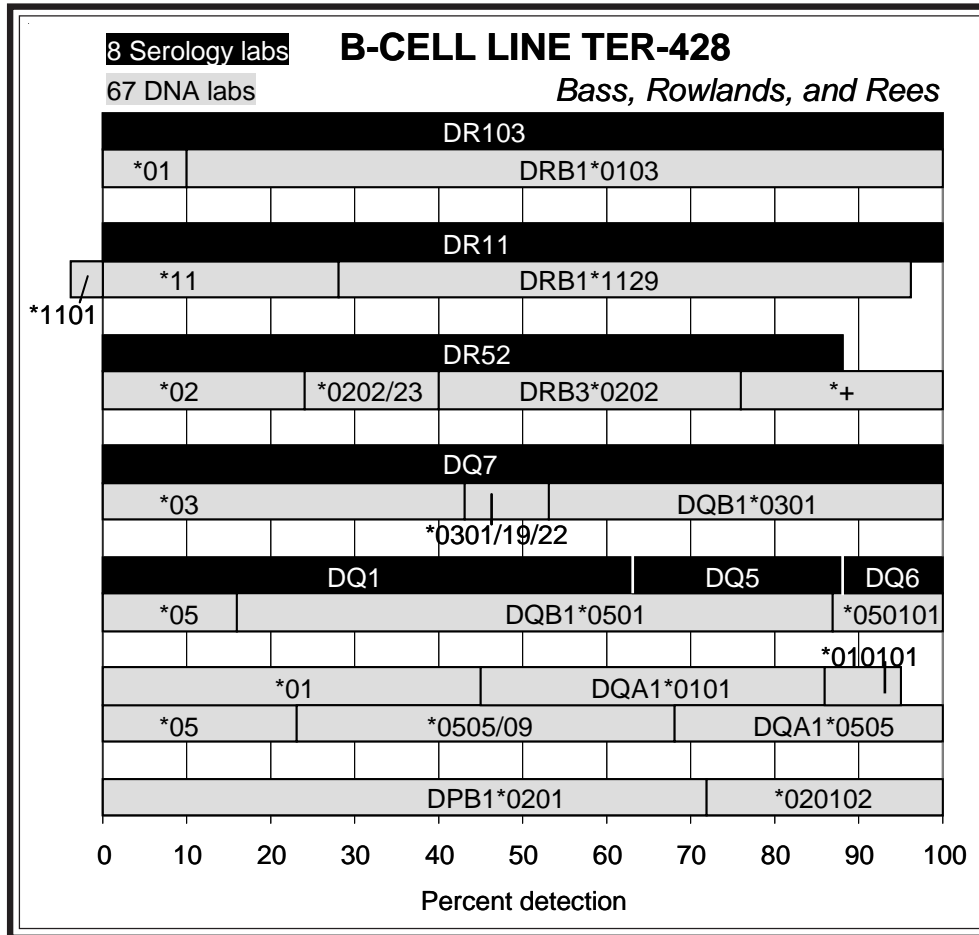
One DPB1 type was DPB1\*1101 (\*110101), as assigned in complete consensus. However, the second type was not agreed upon by the 20 labs submitting DPB1 typing results, with assignments of DPB1\*0301/\*0502 by 8 labs, DPB1\*0502 by 6 labs, DPB1\*0301 by 4 labs, and the remaining 2 labs assigning DPB1\*0301/\*1801. Regarding the ambiguity, Tilanus commented, "Difference (between) DPB1\*0301/\*0502 is located at pos 700 (exon 4), G in 0301, A in 0502. Nucleotide assigned was R (=A+G). Since sequence of DPB1\*1101 is unknown in exon 4, the ambiguity would not be resolved." We would appreciate any comments regarding the procedures that labs took to make the assignment of DPB1\*0301 or DPB1\*0502.

The 13<sup>th</sup> workshop listing of reference cells provided the class I typing of this cell as A\*3001, A\*3301, B\*5301, B\*8101, Cw\*04, Cw\*08 (4).

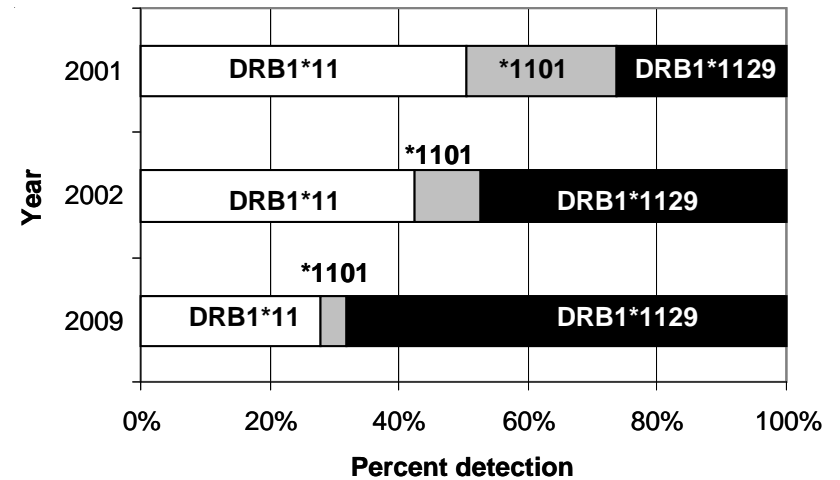
To use as a reference in quality control, the reference cell for DRB1\*110801, JL, was also typed in the Cell Exchange as TER-316 (2003) and TER-386 (2006).



**TER-428.** This reference cell for the rare DRB1\*1129, 21690, was previously typed as TER-290 (2001) and TER-310 (2002), as correctly noted by Hahn, Lopez-Cepero, Mah, Stamm, and Tiercy. It remains the sole DRB1\*1129 typed in the Cell Exchange.



The following graph demonstrates the standardization of DRB1\*1129 over the 8-year span:



In this present retyping, DRB1\*1129, was detected by 68%. DRB1\*1101 was misassigned by 4%.

The second DRB1 type, DRB1\*0103 (90%), was assigned in nearly complete agreement.

DR103 and DR11 were assigned by 100%.

The likely associations in this cell were DRB1\*1129-DRB3\*0202-DQB1\*0301-DQA1\*0505 and DRB1\*0103-DQB1\*0501-DQA1\*0101.

In both previous typings, DPA1\*0103 was reported by Costeas.

No problems were encountered in the detection of DPB1\*0201 (\*020102) (100%).

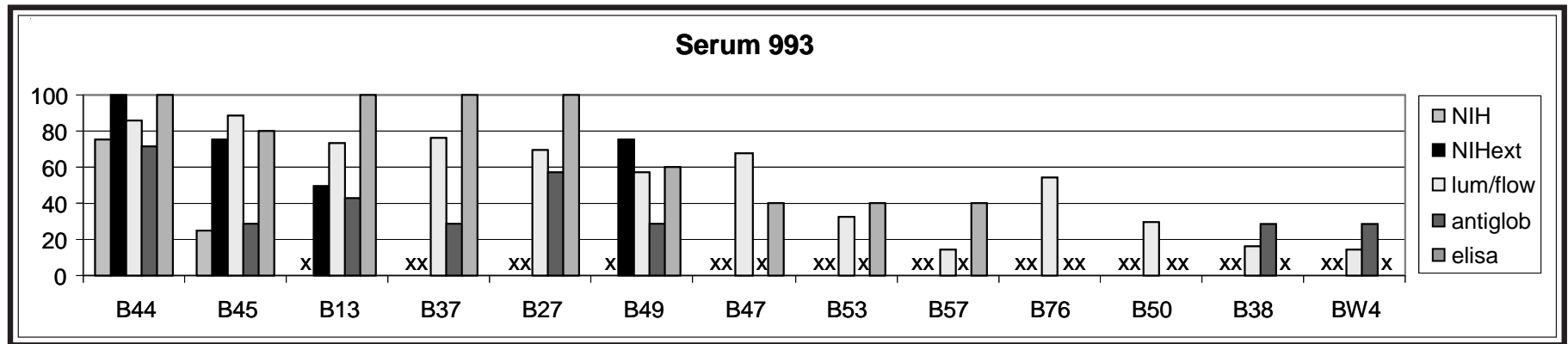
The class I type for this cell was A\*0201, A\*29, B\*18, B\*44, Cw\*0501, Cw\*07, as provided by Bass, Rowlands, and Rees.

## Serum Exchange

Antisera (**sera 993-996**) strongly positive to B12 (B44, B45) by all methods were studied in one exchange study. B12 shares serine at codon 167, located on the second alpha helix.

Besides being reactive to B12, **serum 993** was also determined to be

reactive to B13 and B49, except by labs using NIH. Labs using the more sensitive methods of antiglobulin, Luminex, flow, and ELISA also detected B27 and B37, and more weakly, other Bw4 specificities.

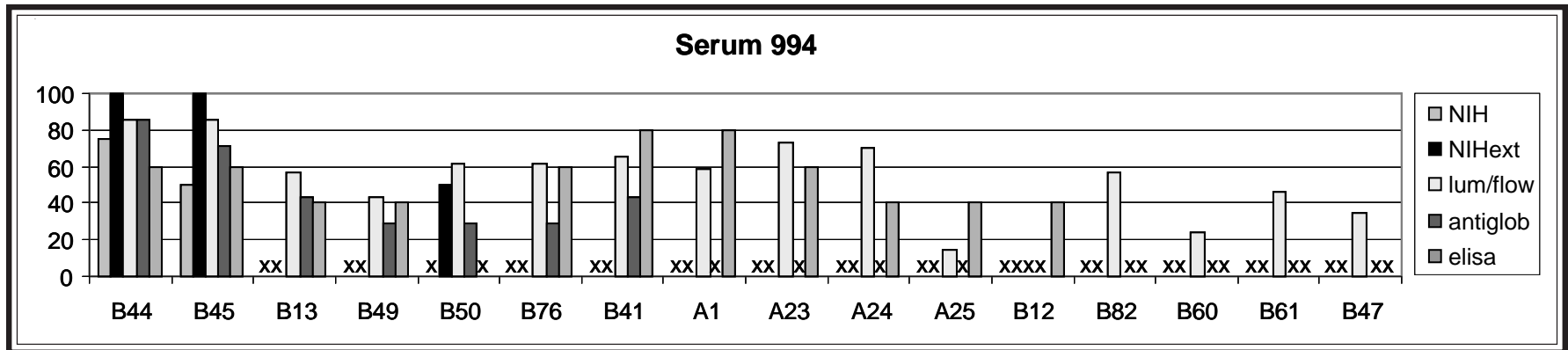


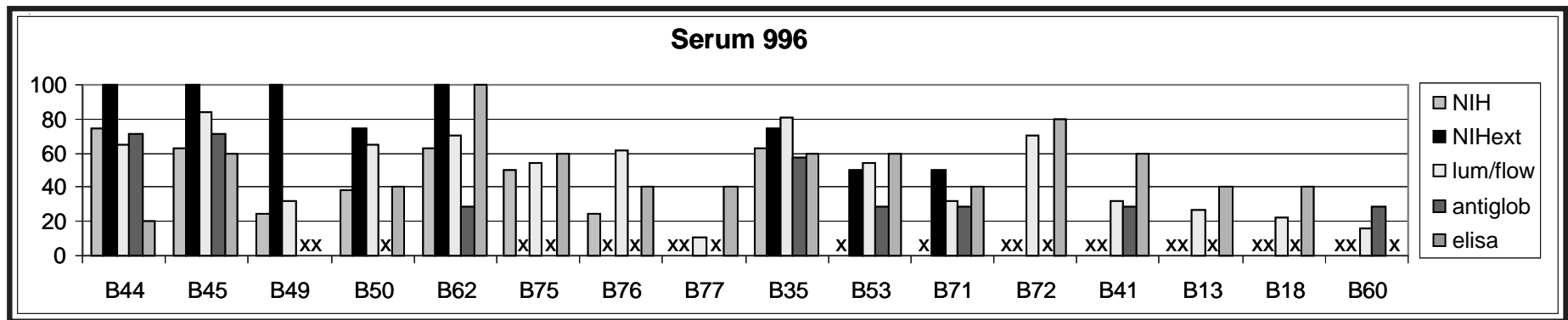
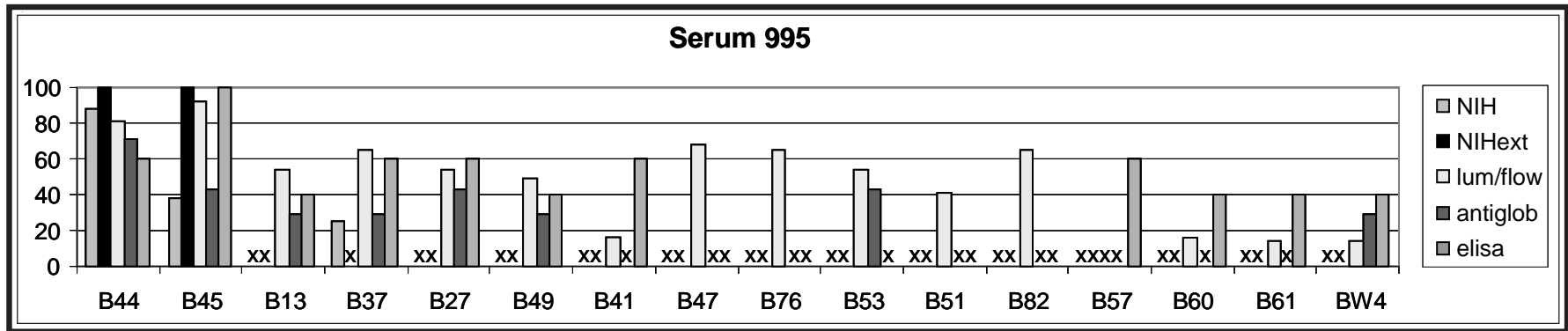
**Serum 994** was determined to have reactivity to different groups of epitopes, including B12, B21, B41, and A9, making it somewhat difficult to explain the reactivity pattern since these groups involve interlocus specificities. Labs using extended-NIH, Luminex, flow and antiglobulin detected B50. Labs using antiglobulin, Luminex, flow, and ELSA, reported the serum to be reactive to B13, B49, B76, and B41. Luminex, flow, and ELISA also detected anti-A1

and -A9 reactivity.

The reactivity pattern of **serum 995** was similar to that of serum 993, being positive to B12 and a number of Bw4 specificities.

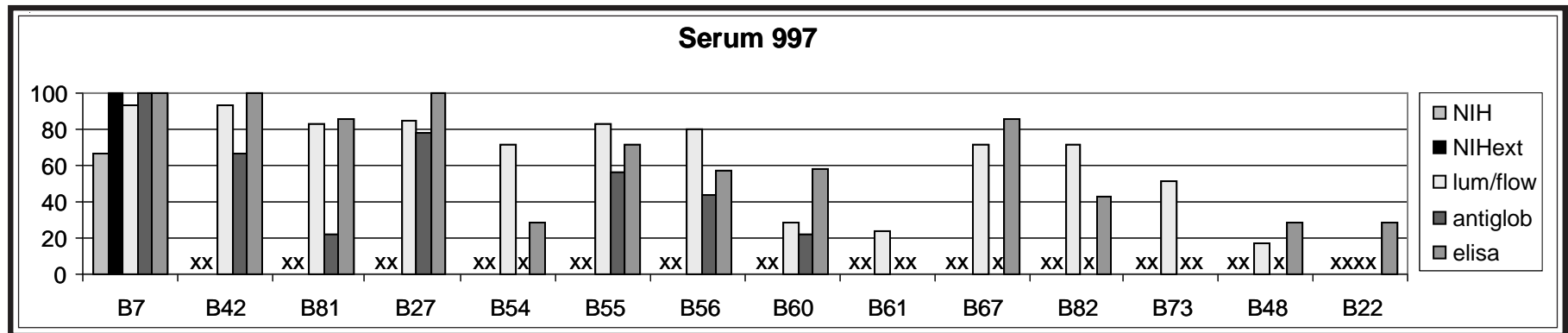
**Serum 996** was reactive to B12, B21, B35, B53, and B15 specificities, including B62, B75, and B76. The more sensitive methods also detected B70. This same antibody was previously screened as serum 948 (2007).

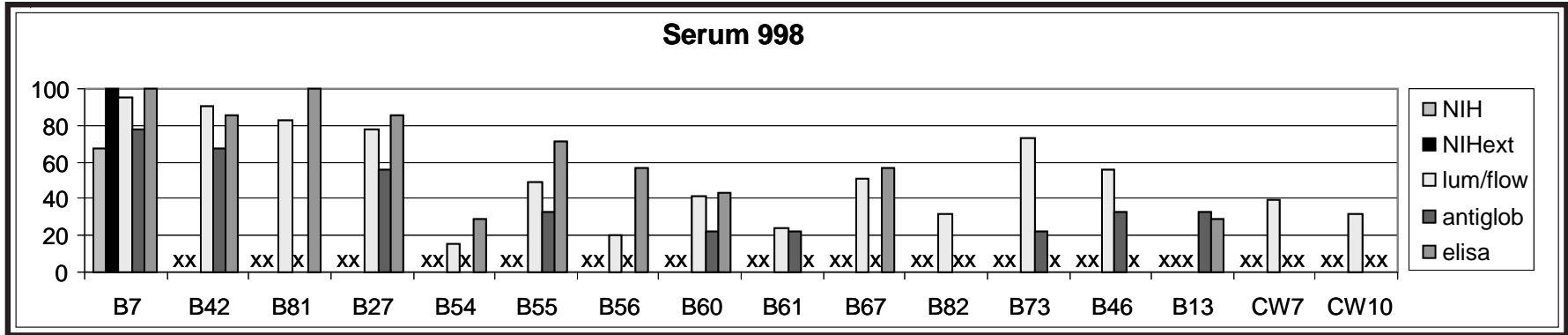




In a second exchange study, antibodies (sera 997-1000) strongly positive to B7 were tested. By NIH, sera 997, 998, and 999 reacted as operatively

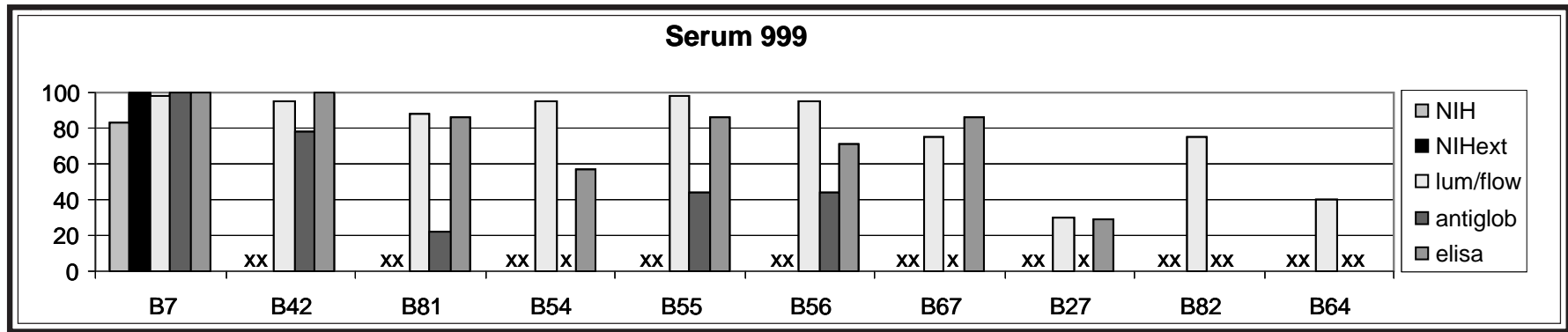
monospecific anti-B7 antisera. On the other hand, serum 1000 reacted as a B7+B22 antiserum.





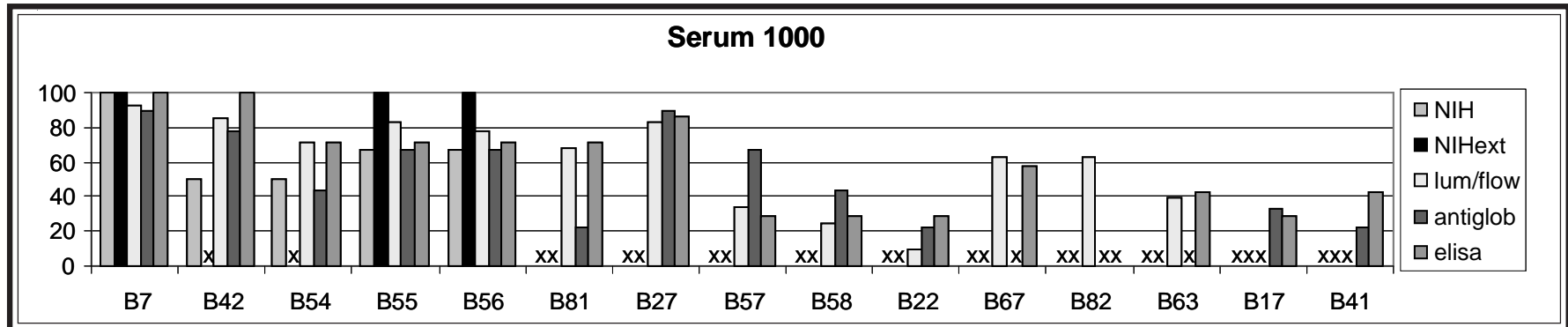
For all 4 antibodies, additional specificities, including the B7, B81, B27, B42 complex and the B22 complex, were reported by labs using Luminex, flow, antiglobulin, and ELISA.

Sera 997 and 998 also had weak additional anti-B40 reactivity, whereas serum 1000 demonstrated varied anti-B17, B63 reactivity.



Luminex, flow, and ELISA also reported B67 for all 4 samples. Luminex and flow reported B82 and also B73 for sera 997 and 998.

Serum 999 was previously tested as serum 955 in 2008.



## Extract Exchange

We are grateful for the generous collaboration of **Christien Voorter and Ella van den Berg-Loonen, University Hospital Maastricht, The Netherlands**, in providing their cell with the rare A\*24020102L to study in this

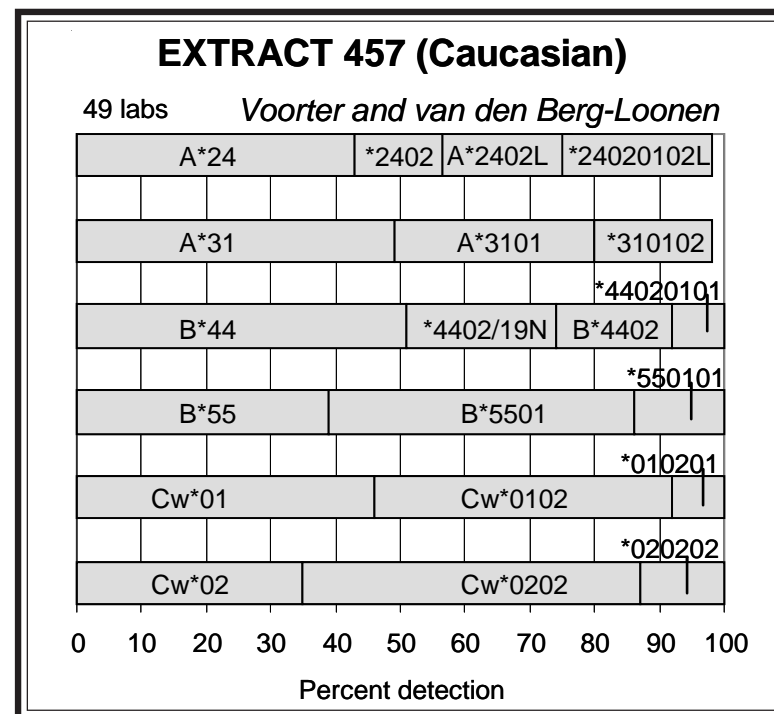
month's study. Our colleague, Ella, has officially retired, and we wish her well.

**Extract 457.** This cell from a Caucasian individual with A\*24020102L was previously typed as extracts 150 (2000) and 324 (2005), as noted by Ball, Barnardo, and Moses and Dunckley. Ball was also correct in identifying that this same cell was typed multiple times for class II, as TER-268 (2000), TER-318 (2003), and TER-341 (2004), having the unusual DRB1\*04-DRB4\*01030102N association, documented by Voorter et al. (5).

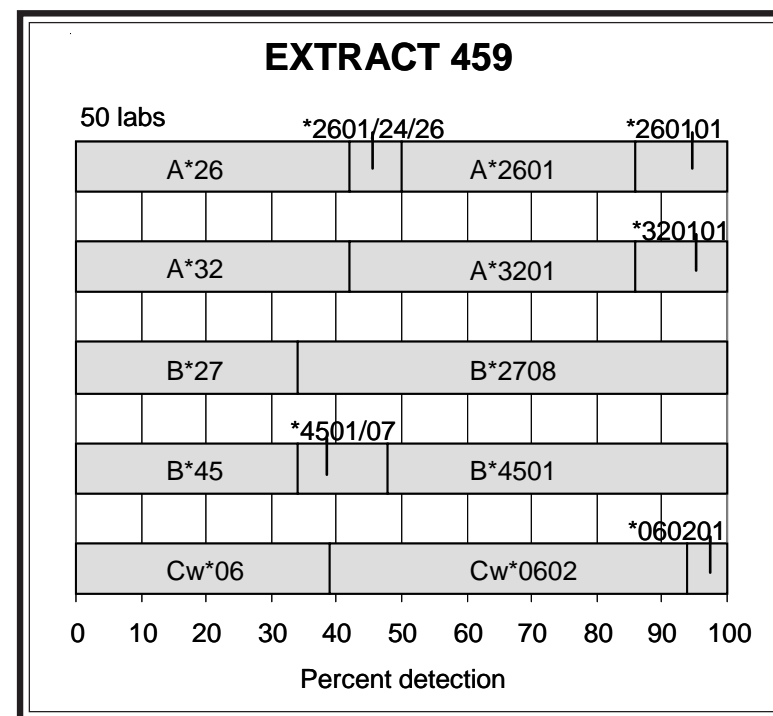
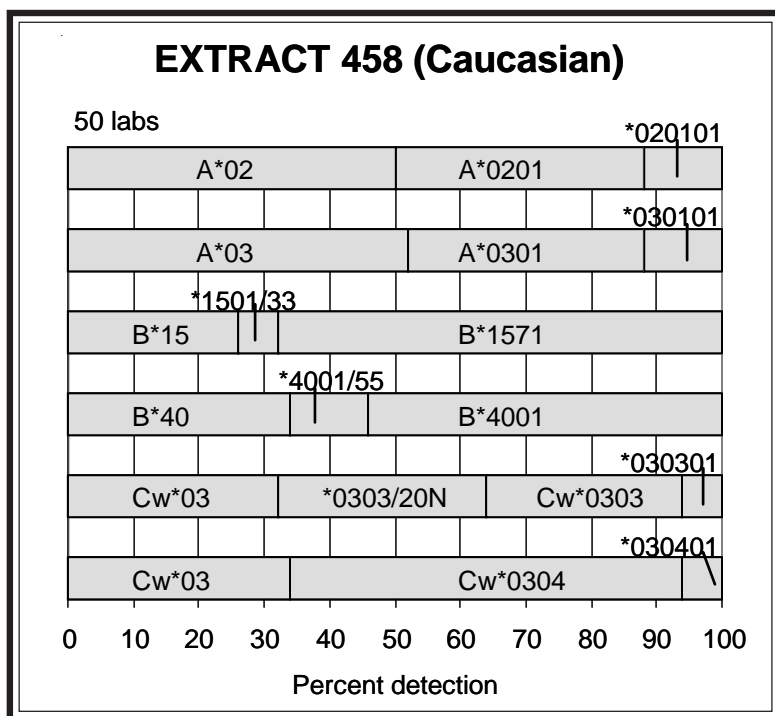
In this present retyping, A\*24020102L was detected by 43%, increasing over the 2005 detection levels of 29%. Only one lab, Blasczyk, correctly identified the low-expression A\*24 allele in the initial 2000 typing. It should be noted that 14% assigned A\*2402. A number of studies (6,7,8) have indicated the importance of identification of low-expressing alleles in consideration for matching in unrelated bone marrow cases.

From examination of the British Bone Marrow Registry and the Welsh Bone Marrow Donor Registry panels, Dunn et al. (9) said, "The low-expression allele HLA-A\*24020102L was identified on a likely haplotype bearing B\*55, Cw\*01 during the investigation of nine cases (four families and five unrelated subjects) of HLA-A\*24 lacking the A24 specificity." This same haplotype was also found in this donor, as family studies and exchange results determined the haplotypes to be A\*24020102L-B\*5501-Cw\*0102-DRB1\*1101-DRB3\*0202-DQB1\*0301-DQA1\*0505 and A\*310102-B\*4402-Cw\*0202-DRB1\*0404-DRB4\*01030102N-DQB1\*0302-DQA1\*0301. The unexpected B\*4402-Cw\*0202 association was present instead of the commonly found B\*4402-Cw\*0501. Dunn et al. suggested that use of known associations or likely haplotypes with low-frequency alleles and simple population analysis are helpful in identifying those alleles with aberrant levels of expression when data by both serology and DNA-based techniques for unrelated donors is not always feasible.

A\*24020102L was also detected in 2 other exchange cells from Chinese donors, cell 1303 (also 1284), typed in 2006 and 2007 and her sibling, cell 1311 (2007). These 2 donors shared the A\*24020102L-B\*0801-Cw\*0702 haplotype.







**Extract 458.** This Caucasian cell was FH67, a reference cell for B\*1571, as correctly identified by Ball, Brown, and Moses and Dunckley. It was studied in the workshops as IHW#9455 and was previously typed as extracts 213 (2002) and 311 (2004). The other B\*1571 reference cell listed in the IMGT/HLA Database is FH66, an HLA-identical sibling, which was typed in the workshops as IHW#9454.

In this present retyping, the rare B\*1571 was detected by 68%, improving over the previous detection levels of 49% in 2004 and 26% in 2002. B\*1501 was misassigned by 4%. B\*1571 differs from B\*15010101 by 3 substitutions in exon 2 (pos 97 T->C, pos 103 G->T, pos 106 A->G), resulting in 3 amino acid changes (Y->H, A->S, M->V).

The other B-locus type was B\*4001 (54%).

The likely associations were B\*1571-Cw\*0303 and B\*4001-Cw\*0304, since B62-Cw9 and B60-Cw10 are found in strong disequilibrium linkages in Caucasians.

**Extract 459.** This donor was 19418, a B\*2708 reference cell, as correctly commented by Ball, and Moses and Dunckley, and was previously typed as extract 348 in 2006.

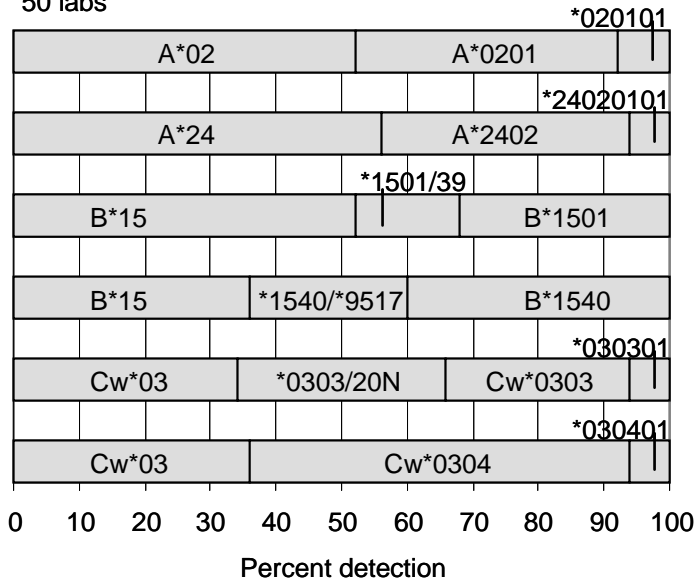
In this present retyping, B\*2708 was assigned by 66%.

The other B-locus type was B\*4501 (52%).

Family studies described by Fussell et al. (9) demonstrated that this B27 subtype was unique to the same haplotype as A32 and Cw6; therefore, the haplotypes in this cell were likely A\*2601-B\*4501-Cw\*0602 and A\*3201-B\*2708-Cw\*0602. The same A32-B27-Cw6 haplotype was present in all B\*2708 exchange cells, including extracts 99, 166, 249 (also ext 37, cells 909 and 993), 294 (also 91), and 379, as well as cell 869.

### EXTRACT 460 (Hispanic)

50 labs



**Extract 460.** This Hispanic B\*1540 cell was recently typed as extract 443 earlier this year. This same individual was also typed as cells 1187 (2004) and 1239 (2005) by both serology and DNA. The presence of the second allele, B\*1501, may have muddled the expression of B\*1540, although a number of serology cells observed reactivity with anti-B40, -B48, and -B70 reactivity. Gutierrez et al. (11) described the expression of B\*1540 as correlating to a short B62.

In this present retyping, B\*1540 was assigned by 40%, matching the same detection level when typed as extract 443. B\*1540/\*9517 was reported by another 22%. B\*1540 and B\*9517 differ by a single substitution, at codon 156 (CTG->TGG, L->W) in exon 3. McIntyre commented that neither SBT nor SSP could resolve the ambiguity of B\*15010101, B\*1540 from B\*1539, B\*9517.

The second B-locus allele, B\*1501, was assigned by 34%, with another 14% reporting B\*1501/39.

Cw\*0303 and Cw\*0304 were reported by 34% and 64%, respectively. Another 32% reported Cw\*0303/20N.

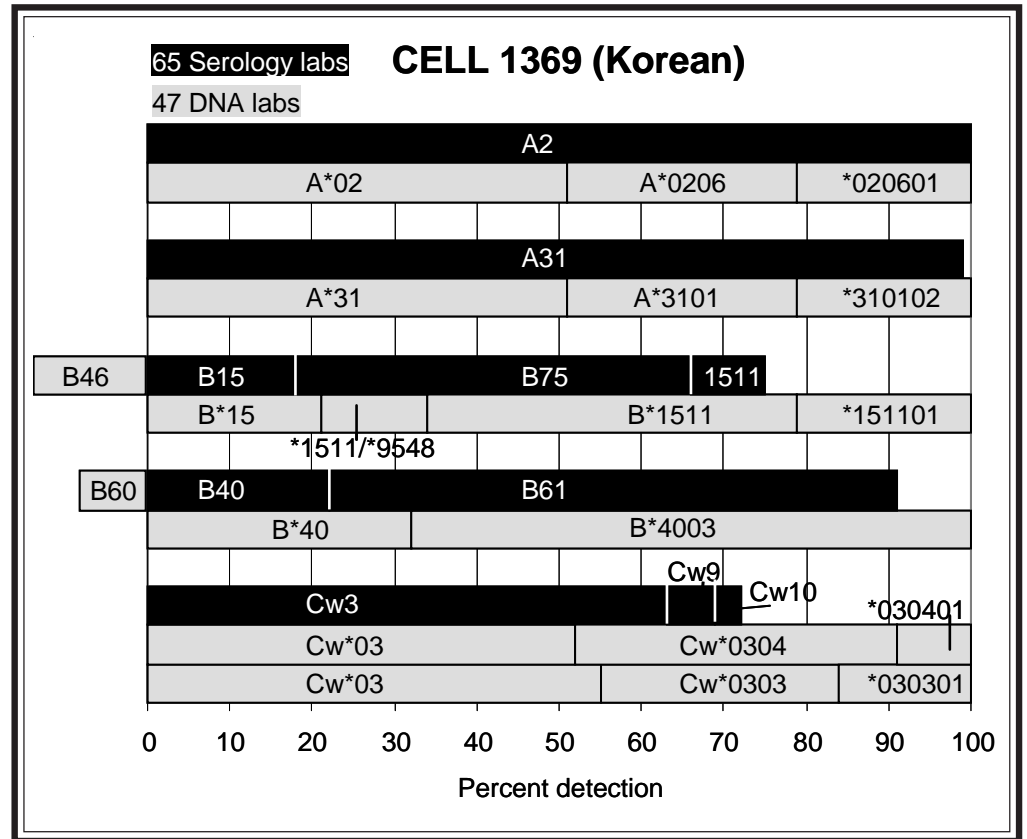
## Cell Exchange

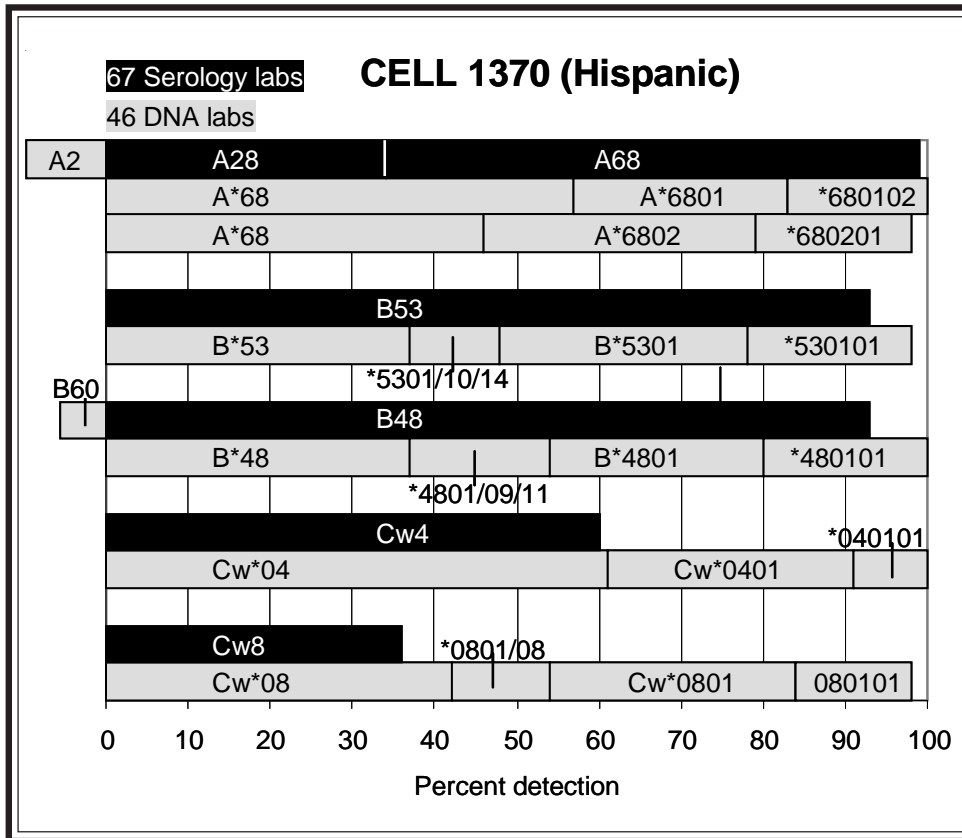
**Cell 1369.** B61 (69%), confirmed as B\*4003 (68%), was reported for this cell from a Korean donor. B\*4003 was previously detected in extract 362 (2006) (also extracts 130, 239), which was GRC-183, the reference cell for a number of alleles, including B\*4003. McCluskey commented that the reactivity of the B40 variant was short and was most likely B61. Pollack reported B61, but noted crossreactivity with several anti-B60 sera. B60 was misassigned by 8%. This was the first time that a B4003 cell was typed by both serologic and DNA typing in the Cell Exchange.

The second B-locus antigen was the B75 (48%) variant encoded by B\*1511 (66%). B1511 was assigned by 9%. Anthony Nolan Trust, Cecka, and McCluskey noted shorter than normal anti-B15 reactivity. Cecka also remarked that the B15 variant reacted with B46 anti-sera, as made evident by the misassignment rate of 14% for B46.

A2 (100%) and A31 (99%) were corroborated as A\*0206 and A\*3101, respectively, by 49% of the DNA labs.

The likely associations in this cell were B75-Cw9 and B61-Cw10, that is, B\*1511-Cw\*0303 and B\*4003-Cw\*0304. B\*1511-Cw\*0303 was found in all previous B\*1511 exchange donors, cells 892 (Japan), 984 (Korean), 1248 (Cauc/Asian), 1327 (Chin), and 1338 (Filip), as well as extracts 63 (Thai), 134, and 382 (Chin).





**Cell 1370.** This Hispanic donor was previously typed as cell 1168 in 2003, as correctly identified by a number of labs (Barnardo, Brown, Moses and Dunckley, Harville, Israel, Lopez-Cepero, Mah, Pidwell, Tiercy). A sibling was typed as cells 1175 (2003) and 1199 (2004).

A68 (64%) was the A28 split and both A\*6801 (43%) and A\*6802 (52%) were detected in this Hispanic donor.

B53 and B48 were well typed, by 93%, and were validated as B\*5301 (50%) and B\*4801 (46%), respectively.

Cw4 (60%) and Cw8 (36%) were verified as Cw\*0401 (39%) and Cw\*0801 (44%), respectively.

From the family studies in the Cell Exchange, the haplotypes in this donor were A\*6801 (\*680102)-B\*4801-Cw\*0801 and A\*6802-B\*5301-Cw\*0401. The A\*6802-B\*5301-Cw\*0401 haplotype was also found in a number of previous exchange cells, including cells 952 (Cauc), 1046 (Blck), 1108 (Cauc/Blck), 1209 (Blck), and extract 391 (also 101, 309).

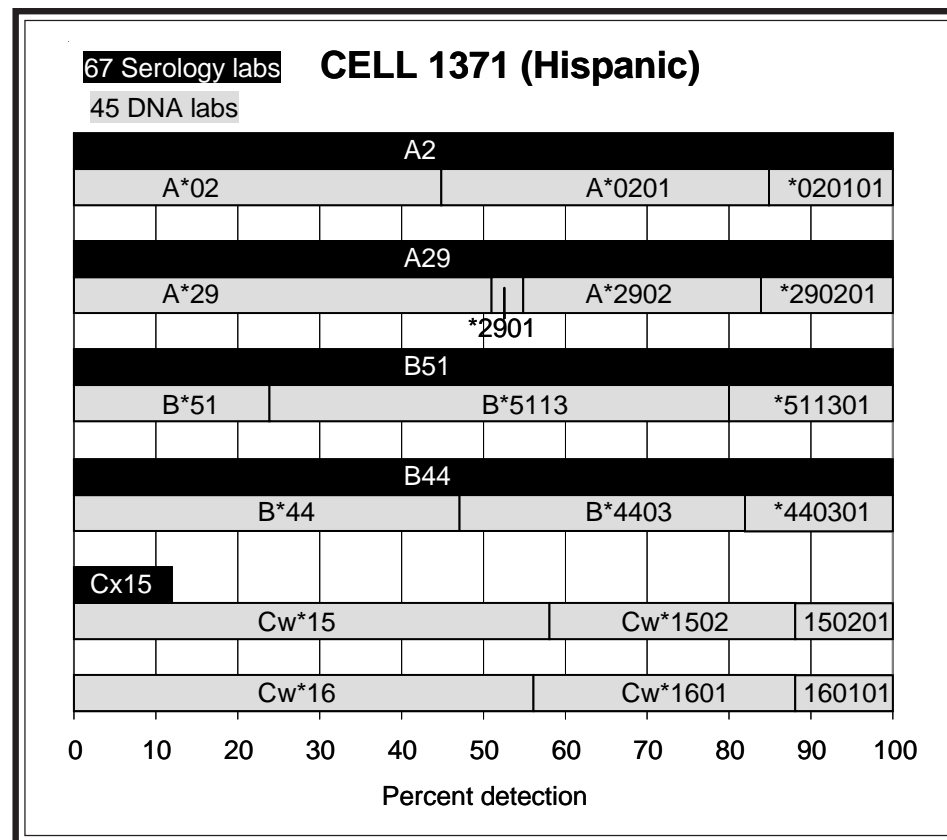
**Cell 1371.** This Hispanic donor with the rare B\*5113 was typed multiple times in the Cell Exchange, as cells 1271 (2006), 1302 (2007), and 1340 (2008). An offspring was typed as extract 377 in 2007.

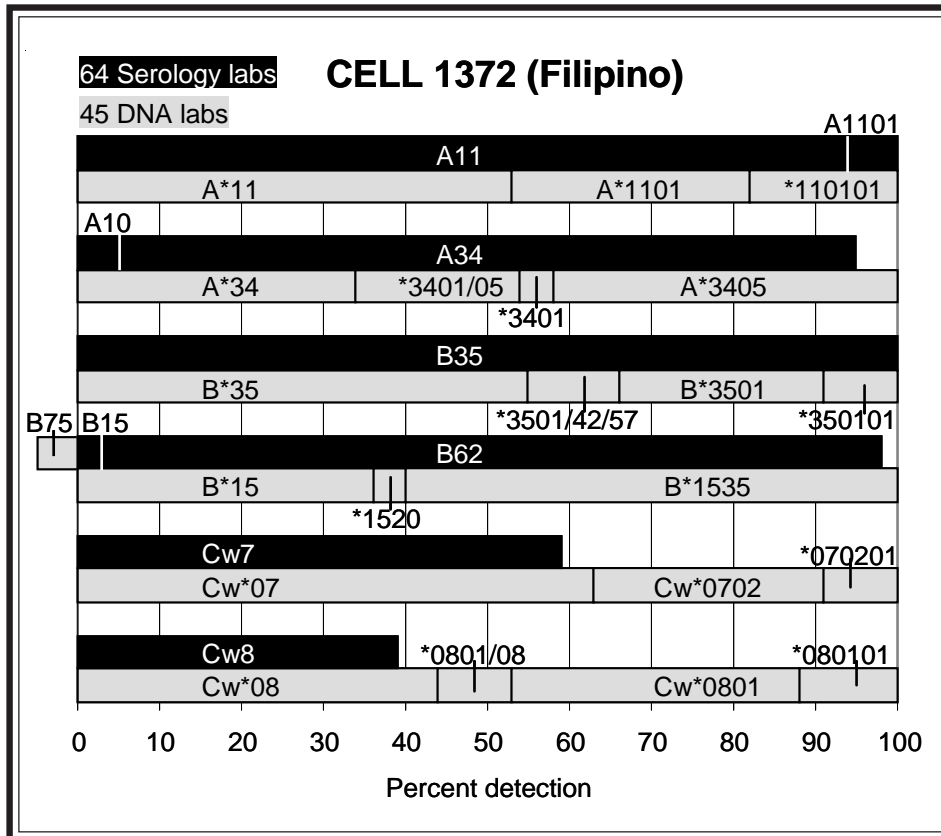
In this present retyping, B51 was typed in complete consensus and B\*5113 (76%) was reported by the majority. B\*511301 was assigned by 20%. Pollack noted extra reactivity with some B35 and B53 antisera and Rosen-Bronson also observed weaker anti-B51 expression.

Cw\*1502 (42%) and Cw\*1601 (44%) were the C-locus alleles.

Exchange data revealed that both parent and offspring share the A\*0201-B\*5113-Cw\*1502 haplotype. The other haplotype in this donor was A\*2902-B\*4403-Cw\*1601.

The same A\*0201-B\*5113-Cw\*1502 association was present in K60, the reference B\*5113 cell, from a South American donor (12).





**Cell 1372.** This Filipino cell with the rare A\*3405 was previously typed as cell 1372 and extract 416 (also 413) last year.

In this present retyping, A34 was assigned by 91%. A\*3405 was reported by 42%, the identical detection level attained in 2008. A\*3401/05 was reported by 20%. There is only one difference between A\*3401 and A\*3405, at codon 125 (GCC->TCC), resulting in a residue change of Ala->Ser, as described by Lebedeva et al. (13) who originally sequenced this variant in a cell from an Asian Pacific Islander.

B35 (100%) and B62 (95%) were well typed, confirmed as B\*3501 (34%) and B\*1535 (60%), respectively. In the 2008 typing, Tilanus determined that the sequence for exons 1 and 4 of B\*1535 was identical to that of B\*150101, noting that this information was not available in the IMGT/HLA Database.

Cw7 (59%) and Cw8 (39%) were corroborated as Cw\*0702 (37%) and Cw\*0801 (47%), respectively.

The likely associations in this cell were B\*1535-Cw\*0801 and B\*3501-Cw\*0702. In cell 1253 from another Filipino donor, the B\*1535-Cw\*0801 association was present, confirmed by family studies.

## References

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13. Lebedeva TV, Huang A, Janzen A, et al. Identification of novel HLA class I alleles using single allele sequencing. *Tissue Antigens* 2003;62:433.

*Important reminder: There are no shipments in September.*  
**NEXT MAILING DATE: October 7, 2009**  
*Marie Lau, Min S. Park, J. Michael Cecka, and Elaine F. Reed*

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 \* \*  
 \* PARTICIPATING CENTERS \*  
 \* \*  
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NAME	CITY STATE/COUNTRY	NAME	CITY STATE/COUNTRY	NAME	CITY STATE/COUNTRY
(W.H.O. LABS)		Gideoni,Osnat	Haifa	Olerup,Olle	Saltsjobaden
		Gideoni_LR,Osnat	Haifa	Ona,Dr Enrique T.	Quezon City
Fischer & Mayr,Dr	Vienna	Gillespie,Dr Kathlee	Bristol	Ozawa,Mikki	Los Angeles CA
		Gomez,Carmen	Miami FL	Pais,Dr Maria Luisa	Coimbra
Abbal,Prof Michel	Toulouse Cedex	Graff,Dr Ralph J.	St Louis MO	Park MD,Myoung Hee	Seoul
Adams,Sharon	Bethesda MD	Hahn PhD,Amy B.	Albany NY	Park,Yun Mi	Seoul
Al-Attas,Dr Rabab	Damman-East Pr	Hajjeer,Dr Ali	Riyadh	Passey,Ben	Liverpool
Allegheny General Ho	Pittsburgh PA	Hamdi,Dr Nuha	Riyadh	Pellet/Pollock,Gladm	Toronto ON
Alonso,Antonio	Malaga	Han,Dr Hoon	Seoul	Pereira,Noemi Farah	Curitiba Paran
Alvarez & Carrett,Dr	Montevideo	Hanau,Prof Daniel	Strasbourg	Permpikul & Vejbaesy	Bangkok
Amole,Folasade	Miami FL	Harville,Dr Terry	Little Rock AR	Phelan,Donna	St Louis MO
Anthony Nolan Trust	London England	Henrico Doctors' Hos	Richmond VA	Pidwell PhD,Diane J.	Cleveland OH
Baker,Judy	Dallas TX	Hidajat,Dr M.	Brugge	Pollack PhD,Marilyn	San Antonio TX
Balazs,Ivan	Stamford CT	Hirankarn MD PhD,Nat	Bangkok	Rajczyk,Dr Katalin	Budapest
Ball,Dr Edward	London ON	Hogan,Dr Patrick	Herston QLD	Ray,Bryan	Stamford CT
Barnardo,Dr Martin	Oxford England	Holdsworth,Rhonda	South Melbourn	Reed PhD,Elaine F.	Los Angeles CA
Baxter-Lowe,Dr Lee A	San Francisco CA	Hsu PhD,Susan H.	Philadelphia PA	Reed PhD,Elaine F.	Los Angeles CA
Berka PhD,Noureddine	Washington DC	Hubbell,Charlene	Syracuse NY	Rees,Dr Tracey	Pontyclun Wale
Blasczyk,Prof Rainer	Hannover	Hurley & Hartzma,Dr	Rockville MD	Reinke MD,Dennis	Bismarck ND
Bow PhD,Laurine	Hartford CT	Ichikawa MD PhD,Yasu	Nishinomiya,Hy	Reinsmoen PhD,Nancy	Los Angeles CA
Brown,Dr Colin	London England	Israel,Dr Shoshana	Jerusalem	Roberts,Chrissy H.	London England
Burger,Joe	Columbia MO	Jackson,Dr Annette	Baltimore MD	Rosen-BronGT,	Washington DC
Cantwell,Linda	Parkville	Jaramillo PhD,Andres	Elmhurst IL	Rosen-BronMS,	Hyattsville MD
Carrington & Martin,	Frederick MD	Kamoun MD,Malek	Philadelphia PA	Rost & Klein,Dr	Martinsried
Cecka PhD,J.Michael	Honolulu HI	Kato MD,Shunichi	Isehara,Kanaga	Rubocki PhD,Ronald	Scarborough ME
Cecka PhD,Michael	Los Angeles CA	Keown MD,Paul	Vancouver BC	Sage,Dr Deborah	London England
Chan MD,Prof Soh Ha	Singapore	Kihara,Masaaki	Tokyo	Sauer & Gottwald,	Lich
Charlton PhD,Ronald	Jacksonville FL	Kim,Prof Tai-Gyu	Seoul	Schroeder MD,M.L.	Winnipeg MB
Charron,Prof D.	Paris Cedex 10	Klein MD,Jon	Louisville KY	Scornik,Dr Juan C.	Gainesville FL
Chen,Dr Dong-Feng	Durham NC	Klein,Dr Tirza	Petach Tikva	Semana MD PhD,Gilber	Rennes
Choo MD,Yoon	Valhalla NY	Klein_LR,Dr Tirza	Petach Tikva	Senitzer PhD,David	Duarte CA
Christiansen & Wit,	Perth - West A	Kotsch PhD,Katja	Berlin	Shai,Isaac	Medunsa 0204
Claas,Prof F.H.J.	Leiden	KuKuruga PhD,Debra	Baltimore MD	Sheikh PhD,Maqsood	Springfield NJ
Clark,Dr Brendan	Leeds England	Kusnierczyk PhD,Piot	Wroclaw	Sinnott & Gupta,	London
Cohen,Prof JHM	Reims Cedex	Kvam,Vonnett	Waukesha WI	Smith/MI,	Ann Arbor MI
Colombe PhD,Beth W.	Philadelphia PA	Land,Dr Geoffrey A.	Houston TX	Snider PhD,Denis	Buffalo NY
Cooper MD,E. Shannon	Jefferson LA	Lanzer,Prof G.	Graz	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	Stamm,Luz	Calgary AB
Daniel PhD,Claude	Laval PQ	Lee PhD,Kyung Wha	Anyang,Kyungki	Stastny MD,Peter	Dallas TX
Daniel,Dr Dolly	Tamil Nadu	Lee,Dr Jar-How	Canoga Park CA	Stavropoulos,Maria	New Haven CT
Davidson & Poulton,D	Manchester, En	Leech MD PhD,Stephen	Philadelphia PA	Suciu-Foca PhD,Nicol	New York NY
Davis PhD,Mary	Stamford CT	Lim MD,Yong Ae	Suwon	Sullivan PhD,Karen	New Orleans LA
del Pozo,Dr Ana	Buenos Aires	Lo MD,Raymundo W.	Quezon City	Tagliere,Jacque	Los Angeles CA
Dhaliwal,Dr J.S.	Kuala Lumpur	Loewenthal MD PhD,Ro	Tel-Hashomer	Tavoularis,Dr Sofia	Ottawa ON
Dinauer,David	Brown Deer WI	Lopez-Cepero PhD,May	Tampa FL	Thoni MD,Deborah	Orlando FL
Du PhD,Keming	Shanghai	MacCann,Eileen	Providence RI	Tiercy,Dr Jean-Marie	Geneva 14
Du Toit,Prof Ernette	Observatory	Madrigal,Dr J.A.	London England	Tilanus,Prof Marcel	Maastricht
Dunckley PhD,Heather	Sydney NSW	Mah,Helen	Boston MA	Trachtenberg PhD,Eli	Oakland CA
Dunk,Arthur	Lauderhill FL	Mani,Dr Rama	Chennai,Tamil	Trowsdale,Prof John	Cambridge
Dunn,Dr Dale	Lubbock TX	Marsh,Prof Steven	London England	Turner PhD,E.V.	Memphis TN
Dunn,Dr Paul	Auckland	Masuo,Kiyoe	Tokyo	Tyan,Dr Dolly	Palo Alto CA
Dupont MD,Bo	New York NY	McAlack PhD,Robert	Philadelphia PA	Uhrberg,Dr Markus	Dusseldorf



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

B-CELL LINE TER-425

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB5	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*1308	*1502			*0503	*0601					P-SSP,RVSSO
5488 Adams,Sharon	*1308	*150202	*02	*01	*050301	*060101	*0103	*0104	*040101		RSSO,SSP,SBT
2300 Allegheny Ge	*13	*15	*+	*+	*05	*06	*01	*01			RVSSO
5133 Baker,Judy	*13	*15	*+	*+	*05	*06	*0103	*0101/04+			SSOP
105 Ball,Edward	*1308	*1502/29/30	*0202	*0102	*0503	*0601	*0103	*0104	*0401/*2302N+		P-SSP
2020 Barnardo,Mar	*1308	*150202	*0202/05/11+	*0101-05/07+	*050301	*0601	*0103	*0101/04+	*040101		SSP,SBT
774 Cecka,J.Mich	*1308	*1502/26	*0202/23	*0102	*050301	*0601	*0103	*0104			SSP,SSOP
785 Chan,Soh Ha	*1308	*1502	*+		*0503	*0601	*0103	*0101/04+			SBT
4492 Charron,D.	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0104	*0401		P-SSO,SSP
3224 Chen,Dongfen	*1308	*150202	*0202	*0102	*0503	*0601	*0103	*01			SBT,RSSO,SSP
8021 Clark,Brenda	*1308	*1502	*02/*0107	*01/*02	*0503	*0601			*0401		P-SSP,SSO
3632 Colombe,Beth	*1308	*1502	*0202	*0102	*0503	*0601					SSP
3904 Cooper,E.Sha	*1308	*1502/26/29+	*020201/03+	*0102	*050301	*0601					P-SSP
5130 Costeas,Paul	*1308/76	*1502	*0202	*0102	*0503	*0601	*0103	*0104			SSP
779 Daniel,Claud	*1308	*1502	*01-*03	*010101-13+	*05	*06					P-SSP
5219 Daniel,Dolly	*13	*15	*03		*05	*06					P-SSOP
8052 Del Pozo,Ana	*1308	*1502									SSO
5323 Dhaliwal,J.S	*1308	*1502/26	*02	*01	*05	*06					P-SSP
5891 Du,Keming	*1308	*1502			*0503	*0601					P-SBT
856 Dupont,Bo	*1308/76/83	*1502/29/30			*0503	*0601					SSO
5214 Eckels/CPMC	*1308	*15	*02	*01	*0503	*0601					SSOP
3428 Eckels/Utah	*1308	*1502			*0503	*0601	*0103	*0101/04+			SSOP
4251 Ellis,Thomas	*1308	*1502	*0202/12	*0102	*0503	*0601			*0401	*0401	P-SSO,SEQ
3135 Fischer,John	*1308	*1502	*0202	*0102	*0503	*0601			*0401		SBT,P-SSP
762 Fischer/Mayr	*1308	*1502	*0202	*0102/08N	*0503	*0601	*0103	*0104			RSSO,SSP,LBT+
8043 Gideon,Osna	*1308	*1502			*0503	*0601					SSOP,SSP
910 Hahn,Amy B.	*1308	*1502/19/26+	*0202/23	*0102	*0503	*0601					SSP
4691 Hajeer,Ali	*13	*15	*+	*+	*05	*06					SSO
810 Hamdi,Nuha	*1308	*150202			*0503	*0601					SSO
4269 Hanau,Daniel	*1308	*150202	*020201	*0102	*0503	*0601			*0401		P-SSP,SBT
1461 Hidayat,M	*1308	*1502	*0202	*0102	*0503	*0601			*0401	*0401	SSO,SSP
2344 Hurley/Hartz	*1308	*150202			*050301	*060101+			*040101		SBT,SSOP
771 Israel,Shosh	*13	*15			*05	*06					RVSSO
748 Jaramillo,An	*13	*15	*+	*+	*05	*06					P-SSP
859 Kamoun,Malek	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0101/04+			P-SSO,SSP
797 Kato,Shunich	*1308	*1502			*0503	*0601					SSO,+SBT-DR
4337 Kim,Tai-Gyu	*1308	*1502			*0503	*0601			*0401		SBT
168 Klein,Tirza	*1308	*1502			*0503	*0601					P-SSO,SSP
87 Land,Geoffre	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0104	*0401	*0401	SBT,SSP,SSO
725 Lardy,N,M.	*13	*15	*+	*+	*05	*06	*0103	*0104			SSO,SSP
278 Lee,Jar-How	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0101/04+	*0401		SSP,RVSSOP
640 Lee,Kyung Wh	*1308	*1502			*0503	*0601	*0103	*010401			P-SBT
6649 Lim,Young Ae	*13	*15	*+	*+							P-SSP
274 Lo,Raymundo	*13	*15	*+	*+	*05	*06					SSP
731 Loewenthal,R	*1308	*150202			*0503	*0601					SBT,SSO
759 Lopez-Cepero	*1308	*1502			*0503	*0601	*0103	*0101/04+	*0401	*0401+	RVSSO
23 Mah,Helen	*1308	*1502	*0202	*0102/08N	*0503	*0601	*0103	*01			SSO
8029 Mani,Rama	*13	*15	*+	*+	*05	*06					P-SSP
9916 McIntyre,Joh	*1308	*150202	*0202	*0102	*0503	*0601					SSP,SBT
794 Meremmies,Ju	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0104	*0401		SBT,SSO,SSP
792 Moore,S.Brea	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0104			P-SSO,SSP
5096 Park,Yun Mi	*13	*15									P-SSO
3648 Pereira,Noem	*1308	*1502			*0503	*0601					RSSO,SSP,SBT
3966 Permpikul&Ve	*1308	*1502	*0202	*0102	*0503	*0601					P-SSP
2400 Phelan,Donna	*1308	*1502	*02	*0102	*0503	*0601					RSSO,SSP,SBT
4689 Rajczy,Katal	*1308	*1502	*0202/11/12	*0102	*0503	*0601					P-SSP
3753 Reed,Elaine	*1308	*1502	*0202/23	*0102	*0503	*0601	*0103	*0101/04+			SBT,SSP,SSO

B-CELL LINE TER-425

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB5	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
3625 Rees, Tracey	*1308	*1502	*0202/12	*0102/08	*0503	*0601	*0103	*0104	*0401		P-SSP, SBT
3798 Reinsmoen, N	*1308	*150202	*0202/23	*0102	*050301	*0601	*0103	*0104	*0401		SBT, SSOP, SSP
1160 Rosen-BronGT	NT										SSP, RVSSO
793 Rubocki, Rona	*13	*15	*+	*+	*05	*06					SSP
8042 Shainberg, Br	*1308	*1502			*0503	*0601					SSOP, SSP
8001 Sheikh, Maqso	*1308	*1502/29/30	*0202/23	*0102	*0503	*0601					RVSSO, SSP
735 Smith/MI	*13	*15	*+	*+	*05	*06	*0103	*0101/04+	*0401		RVSSOP, SSP
746 Stamm, Luz	*1308/76	*1502	*02	*01	*0503	*0601					RVSSO, SSP
13 Tagliere, Jac	*1308	*1526	*0202	*0102	*0503	*0601					SSP
747 Tiercy, Jean-	*1308	*150202	*0202	*0102	*050301	*0601			*040101		SBT, SSO, SSP
5451 Tilanus, Marc	*1308	*150202	*020201	*0102	*050301	*0601	*0103	*0104	*040101		SBT
4021 Trachtenberg	*1308/76/83	*15	*02	*01/*02	*0503	*0601					RVSSO
5462 Turner, E.V.	*1308	*1502	*0202/23	*0102	*0503	*0601			*0401		SEQ, SSO, SSP
5642 Varnavidou-N	*1308	*1502	*+	*+	*050301	*0601					P-SSP
705 Watkins, Dav	*1308	*1502	*0201g	*0102/03+	*0503	*0601					SSO, SEQ
3511 Zeevi, Adrian	*1308	*1502	*0202	*0102	*0503	*0601	*0103	*0104	*0401		RVSSOP, SSP

CTR DIRNAME	DR13	DR15	DR52	DR51	DQ5	DQ6	OTH1	OTH2
4492 Charron, D.	DR6	+	+	+	DQ1			
3904 Cooper, E. Sha	+	+	+	+	DQ1			
910 Hahn, Amy B.	+	+	+	+	DQ1		DR16	
4908 Kvam, Vonnett	+	+	+	+	+	+		
54 McAlack, Robe	+	+	+	+		+		
8004 Pais, Maria L	+	+	+	+		+		
2400 Phelan, Donna	+	+	+	+	+	+		
793 Rubocki, Rona	+	+	+	+	+	+		
8063 Shai, Isaac	+	+	+	+		+	DR14	

B-CELL LINE TER-425 (Asian Indian)

72 DNA LABS

72 LABS REPORTING DRB1

DRB1*13	24%
DRB1*1308	76%
DRB1*13	100% TOTAL
DRB1*15	31%
DRB1*1502	53%
DRB1*150202	15%
DRB1*1526	1%
DRB1*15	100% TOTAL

54 LABS REPORTING DRB3

DRB3*+	26%
DRB3*0202	35%
DRB3*020201	4%
DRB3*02	22%
DRB3*0202/23	11%

54 LABS REPORTING DRB5

DRB5*+	24%
DRB5*0102	54%
DRB5*01	18%

9 SEROLOGY LABS

DR6	11%
DR13	89%
DR6	100% TOTAL
DR15	100%
DR52	100%
DR51	100%

69 LABS REPORTING DQB1

DQB1*05	19%
DQB1*0503	68%
DQB1*050301	13%
DQB1*05	100% TOTAL
DQB1*06	19%
DQB1*0601	80%
DQB1*060101	1%
DQB1*06	100% TOTAL

27 LABS REPORTING DQA1

DQA1*01	4%
DQA1*0103	96%
DQA1*01	100% TOTAL
DQA1*01	44%
DQA1*0104	52%
DQA1*010401	4%
DQA1*01	100% TOTAL

22 LABS REPORTING DPB1

DPB1*0401	77%
DPB1*040101	23%
DPB1*0401	100% TOTAL

DQ1	33%
DQ5	33%
DQ6	67%

## B-CELL LINE TER-426

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0701/16	*1310			*0202	*0603					P-SSP,RVSSO
5488 Adams,Sharon	*070101	*1310	*01	*01	*0202	*060301	*0103	*0201	*020102	*1401	RSSO,SBT,SSP
2300 Allegheny Ge	*07	*13	++	++	*02	*06	*01	*02			RVSSO
5133 Baker,Judy	*07	*13	++	++	*02	*06	*0103	*0201			SSOP
105 Ball,Edward	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201	*0201	*1401+	P-SSP
2020 Barnardo,Mar	*070101	*1310	*0101/03-06+	*0101-05/07	*0202	*060301	*0103	*0201	*020102	*1401	SSP,SBT
774 Cecka,J.Mich	*0701/13-15	*1310	*0101	*0103	*0202	*0603/28	*0103	*0201			SSP,SSOP
785 Chan,Soh Ha	C										
4492 Charron,D.	*0701	*1310	*0101	*0103	*0202/05	*0603	*0103	*0201	*0201	*1401	P-SSO,SSP
3224 Chen,Dongfen	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201			SBT,RSSO,SSP
8021 Clark,Brenda	*0701	*1310	*01	*0101-030101+	*0202	*0603/28			*0201	*1401	P-SSP,SSO
3632 Colombe,Beth	*0701	*1310	*0101	*0103	*0202	*0603					SSP
3904 Cooper,E.Sha	*070101/13-15	*1310	*0101	*01030101+	*0202	*0603					P-SSP
5130 Costeas,Paul	*0701	*1310	*0101/04	*0103	*0202	*0603	*0103	*0201			SSP
779 Daniel,Claud	*0701	*1310	*01-*03	*01010101+	*02	*06					P-SSP
5219 Daniel,Dolly	*07	*13	++	++	*02	*06					P-SSOP
8052 Del Pozo,Ana	*07	*1310									SSO
5323 Dhaliwal,J.S	*0701/13-15	*1310	*01	*01	*02	*06					P-SSP
4269 Dormoy,Anne	NT										
5891 Du,Keming	*0701	*1310			*0202	*0603					P-SBT
856 Dupont,Bo	*0701/03/05/07+	*1310			*0202	*0603/14/28					SSO
5214 Eckels/CPMC	*07	*1310	*0101	*01	*0205	*06					SSOP
3428 Eckels/Utah	*0701/16	*1310			*0202	*0603/28	*0103	*0201			SSOP
4251 Ellis,Thomas	*0701	*1310	*01	*0101/03/06	*0202	*0603			*0201	*1401	P-SSO,SEQ
3135 Fischer,John	*0701	*1310	*0101	*0103	*0202	*0603			*0201	*1401	SBT,P-SSP
762 Fischer/Mayr	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201			RSSO,SSP,LBT+
8043 Gideoni,Osna	*0701	*1310			*0202	*0603					SSOP,SSP
910 Hahn,Amy B.	*0701/13-15	*1310	*0101	*0103	*0202	*0603/28					SSP
4691 Hajeer,Ali	*07	*13	++	++	*02	*06					SSO
810 Hamdi,Nuha	*070101	*1301			*020101	*0603/28					SSO
1461 Hidajat,M.	*0701	*1310	*0101	*0103	*0202	*0603			*0201	*1401	SSO,SSP
2344 Hurley/Hartz	*07010101/010102	*1310			*0202	*060301			*020102	*1401	SBT
771 Israel,Shosh	*07	*13			*02	*06					RVSSO
748 Jaramillo,An	*07	*13	++	++	*02	*06					P-SSP
859 Kamoun,Malek	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201			P-SSO,SSP
797 Kato,Shunich	*0701	*1310			*0201/02/04	*0603/28					SSO,+SBT-DR
4337 Kim,Tai-Gyu	*0701	*1310			*0202	*0603			*0201	*1401	SBT
168 Klein,Tirza	*0701	*1310			*0202	*0603					P-SSO,SSP
87 Land,Geoffre	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201	*0201	*1401	SBT,SSP,SSO
725 Lardy,N,M.	*07	*13	++	++	*02	*06	*0103	*0201			SSO,SSP
278 Lee,Jar-How	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201	*0201	*1401	SSP,RVSSOP
640 Lee,Kyung Wh	*0701	*1310			*0202	*0603	*0103	*0201			P-SBT
6649 Lim,Young Ae	*07	*13	++	++							P-SSP
274 Lo,Raymundo	*07	*13	++	++	*02	*06					SSP
731 Loewenthal,R	*0701	*1310			*0202	*0603/14					SBT,SSO
759 Lopez-Cepero	*0701/03/05/07+	*1310			*0202	*0603/28	*0103	*0201	*0201+	*1401	RVSSO
23 Mah,Helen	*0701/16	*1310	*0101/11	*01	*0202	*0603/28	*0103	*0201			SSO
8029 Mani,Rama	*07	*13	++	++	*02	*06					P-SSP
9916 McIntyre,Joh	*0701	*1310	*0101/12/13	*0103	*0202	*0603					SSP,SBT
794 Merenmies,Ju	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201	*0201	*1401	SBT,SSO,SSP
792 Moore,S.Brea	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201			P-SSO,SSP
5096 Park,Yun Mi	*07	*13									P-SSO
3648 Pereira,Noem	C										
3966 Permpikul&Ve	*0701	*1310	*0101	*0103	*0202	*0603					P-SSP
2400 Phelan,Donna	*0701	*1310	*01	*0103	*0202	*0603					RSSO,SSP,SBT
4689 Rajczy,Katal	*0701/16/17	*1310	*0101/12/13	*0103	*0202	*0603					P-SSP
3753 Reed,Elaine	*0701	*1310	*0101	*0103	*0202	*0603	*0103	*0201			SBT,SSP,SSO



B-CELL LINE TER-426

69 DNA LABS

69 LABS REPORTING DRB1

DRB1*07	39%
DRB1*0701	52%
DRB1*070101	9%
DRB1*07	100% TOTAL

DRB1*13	19%
DRB1*1301	1%
DRB1*1310	80%
DRB1*13	100% TOTAL

52 LABS REPORTING DRB3

DRB3*+	25%
DRB3*0101	46%
DRB3*010102	2%
DRB3*01	27%

52 LABS REPORTING DRB4

DRB4*+	27%
DRB4*0103	50%
DRB4*01030101	2%
DRB4*01030102N	2%
DRB4*01	19%

9 SEROLOGY LABS

DR7	100%
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DR13	78%
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DR52	100%
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DR53	100%
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66 LABS REPORTING DQB1

DQB1*02	23%
DQB1*020101	1%
DQB1*0202	74%
DQB1*0205	2%
DQB1*02	100% TOTAL

DQB1*06	27%
DQB1*0603/28	18%
DQB1*0603	47%
DQB1*060301	8%
DQB1*06	100% TOTAL

26 LABS REPORTING DQA1

DQA1*01	4%
DQA1*0103	96%
DQA1*01	100% TOTAL

DQA1*02	4%
DQA1*0201	96%
DQA1*02	100% TOTAL

21 LABS REPORTING DPB1

DPB1*0201	76%
DPB1*020102	24%
DPB1*0201	100% TOTAL

DPB1*1401	100%
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DQ2	100%
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DQ1	44%
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DQ6	44%
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DQ1	88% TOTAL
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B-CELL LINE TER-427

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0701/16/17	*1108			*0202	*0202/23					RVSSO,SSP
5488 Adams,Sharon	*070101	*110802	*0301	*01	*0202		*0201	*0303	*0502	*1101	RSSO,SSP,SBT
8062 Al-Attas,Ra	*07	*11			*02						RVSSO
2300 Allegheny Ge	*07	*11	+	+	*02		*02	*03			SSO
5133 Baker,Judy	*070101	*110802	*0301	*0103	*0202						SSP,SBT
2020 Barnardo,Mar	*070101	*110802	*0301/02	*0101-05/07	*0202		*0201	*0301-03	*030101/*0502	*110101	P-SSP,SBT
774 Cecka,J.Mich	*0701/13-16	*1108	*0301	*0103	*0202		*0201	*0303			SSP,SSOP
785 Chan,Soh Ha	*0701/09	*1108	+	*01	*0202	*0202+	*0201	*0301-03			SBT
4492 Charron,D.	*0701	*1108	*0301	*0103	*0202		*0201	*0303	*0301	*1101	P-SSO,SSP
3224 Chen,Dongfen	*0701	*1108	*0301	*0103	*0202		*0201	*03			SBT,SSP,RSSO
8021 Clark,Brenda	*0701	*1108	*03	*0101-*030101+	*0202				*0301/*0502	*1101	P-SSP,SSO
3632 Colombe,Beth	*0701	*1108	*0301	*0103	*0202						SSP
3904 Cooper,E.Sha	*070101/13+	*1108	*0301	*01030101+	*0202						P-SSP
5130 Costeas,Paul	*0701	*1108	*0301	*0103	*0202		*0201	*0303			SSP
779 Daniel,Claud	*07	*110801/0802	*01-*03	*01010101/02+	*02						P-SSP
5219 Daniel,Dolly	NT										P-SSOP
8052 Del Pozo,Ana	*07	*1108									SSO
5323 Dhaliwal,J.S	*0701	*1108	*0103		*02						
5891 Du,Keming	*0701	*1108			*0202	*0202					P-SBT
856 Dupont,Bo	*0701	*1108	*0201	*01	*0202/03	*0203/05					SSP,SSO
5214 Eckels/CPMC	*07	*1108	*0301	*01	*02	*02					SSOP
3428 Eckels/Utah	*0701/16	*1108			*0202	*0202+	*0201	*0301-03			SSOP
4251 Ellis,Thomas	*0701	*1108	*0301	*0101/03/06	*0202	*0202			*0301/*0502	*1101	P-SSO,SEQ
3135 Fischer,John	*0701	*1108	*0301	*0103	*0202				*0502	*1101	SBT,P-SSP
762 Fischer/Mayr	*0701	*1108	*0301	*0103	*0202		*0201	*0303			RSSO,LBT,SSP+
8043 Gideon,Osna	*0701	*1108			*0202						SSOP,SSP
910 Hahn,Amy B.	*07	*1108	*0301	*0103	*0202/05						SSP
4691 Hajeer,Ali	*07	*11	+	+	*02	*02					SSO
810 Hamdi,Nuha	*07010101	*110801			*020101	*020101					SSO
4269 Hanau,Daniel	*070101	*110802	*0301	*0103	*0202				*0301/*7801	*1101	P-SSP,SBT
1461 Hidayat,M	*0701	*1108	*0301	*0103	*0202				*0301/*7801	*1101	SSO,SSP
2344 Hurley/Hartz	*07010101+	*110802			*0202				*030101/*0502	*110101	SBT,SSOP
771 Israel,Shosh	*07	*11			*02						SSO,SSP
748 Jaramillo,An	*07	*11	+	+	*02						P-SSP
797 Kato,Shunich	*0701	*1108			*0201-03+						SSO,+SBT-DR
4337 Kim,Tai-Gyu	*0701	*1108			*0202	*0201			*0301	*1101	SBT
168 Klein,Tirza	*0701	*1108			*0202						P-SSO,SSP
9000 Klein_LR	*07	*11			*02						P-SSO
87 Land,Geoffre	*0701	*1108	*0301	*0103	*0202	*0202	*0201	*0303	*0502	*1101	SBT,SSP,SSO
725 Lardy,N,M.	*07	*11	+	+	*02		*0201	*0303			SSO,SSP
278 Lee,Jar-How	*0701	*1108	*0301	*0103	*0202/05		*0201	*0301-03	*0301/*0502+	*1101	SSP,RVSSOP
640 Lee,Kyung Wh	*0701	*1108			*0202		*0201	*0303			P-SBT
274 Lo,Raymundo	*07	*11	+	+	*02						SSP
759 Lopez-Cepero	*0701/03+	*1108			*0202	*0202+	*0201	*0301-03	*0301	*1101	RVSSO
23 Mah,Helen	*0701/16	*1108	*0301	*0101/03/06	*0202		*0201	*0301-03			SSO,SSP
8029 Mani,Rama	*07	*11	+	+							P-SSP
9916 McIntyre,Joh	*0701	*1108	*0301	*0103	*0202	*0202+					SSP,SBT
792 Moore,S.Brea	*0701	*1108	*0301	*0103	*0202		*0201	*0303			P-SSO,SSP
8042 Muncher,Lior	*0701	*1108			*0202						SSOP,SSP
5096 Park,Yun Mi	*07	*11									P-SSO
3648 Pereira,Noem	*0701	*1108			*0202	*0205					RSSO,SSP,SBT
3966 Permpikul&Ve	*0701	*1108	*0301	*0103	*0202						P-SSP
2400 Phelan,Donna	*0701	*1108	*03	*01	*0202						RSSO,SSP,SBT
4689 Rajczy,Katal	*0701/16/17	*1108	*0301	*0103	*0202						P-SSP
3753 Reed,Elaine	*0701	*1108	*0301	*0103	*0202		*0201	*0301-03			SBT,SSP,RSSO
3625 Rees,Tracey	*0701/05	*1108/19/26	*0301	*01	*0202		*0201	*03	*0301/*0502+	*1101+	P-SSP
3798 Reinsmoen,N	*070101	*110802	*0301	*0103	*0202		*0201	*0303	*0502	*1101	SBT,RSSO,SSP



B-CELL LINE TER-427

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
1160 Rosen-BronGT	*07	*1108	*0301	*01	*02						SSP,RVSSO
793 Rubocki,Rona	*07	*11	*+	*+	*02						SSP
8001 Sheikh,Maqso	*0701/15	*1108	*0301	*0103	*0202	*0202/05					RVSSO,SSP
735 Smith/MI	*0701	*1108	*+	*+	*0202/05		*0201	*0301-03	*0301/*0502	*1101	SSOP,SSP,SEQ
746 Stamm,Luz	*0701	*1108	*03	*01	*0202						RVSSO,SSP
13 Tagliere,Jac	*0701	*1108	*0301	*0103	*0202						SSP
747 Tiercy,Jean-	*070101	*110802	*0301	*0103	*0202				*030101	*110101	
5451 Tilanus,Marc	*070101	*110802	*0301	*01030101	*0202		*0201	*0303	*030101/*0502	*110101	SBT
4021 Trachtenberg	*07	*11	*03	*01/*0201N	*02						RVSSO
5462 Turner,E.V.	*0701	*1108	*0301	*0103	*0202				*0502	*1101	SBT,SSO,SSP
705 Watkins,Dav	*0701	*1108	*0205/*0301+	*0101g							SSO,SEQ
3511 Zeevi,Adrian	*0701	*1108	*0301	*0103	*0202		*0201	*0303	*0502	*1101	RVSSOP,SSP

CTR DIRNAME	DR7	DR11	DR52	DR53	DQ2	OTH1	OTH2
4492 Charron,D.	+	+			+		
3904 Cooper,E.Sha	+	+	+	+	+		
910 Hahn,Amy B.	+	+	+	+	+		DQ1
4908 Kvam,Vonnett	+	+	+	+	+		
54 McAlack,Robe	+	+	+	+	+		
2400 Phelan,Donna	+	+	+	+	+		
793 Rubocki,Rona	+	+	+	+	+		
8063 Shai,Isaac	+	+	+	+	+		

B-CELL LINE TER-427 (Black)

68 DNA LABS

68 LABS REPORTING DRB1

DRB1*07	40%
DRB1*0701	47%
DRB1*070101	12%
DRB1*07010101	1%
DRB1*07	100% TOTAL

DRB1*11	19%
DRB1*1108	68%
DRB1*110801	1%
DRB1*110802	12%
DRB1*11	100% TOTAL

50 LABS REPORTING DRB3

DRB3*+	22%
DRB3*0301	64%
DRB3*03	10%

50 LABS REPORTING DRB4

DRB4*+	22%
DRB4*0103	50%
DRB4*01030101	2%
DRB4*01	24%

8 SEROLOGY LABS

DR7	100%
DR11	100%
DR52	88%
DR53	88%

64 LABS REPORTING DQB1

DQB1*02	30%
DQB1*020101	1%
DQB1*0202	69%
DQB1*02	100% TOTAL

23 LABS REPORTING DQA1

DQA1*02	4%
DQA1*0201	96%
DQA1*02	100% TOTAL

DQA1*03	48%
DQA1*0303	52%
DQA1*03	100% TOTAL

20 LABS REPORTING DPB1

DPB1*0301/*7801	10%
DPB1*0301/*0502	15%
DPB1*030101/*0502	15%
DPB1*0301/*0502+	10%
DPB1*0301	15%
DPB1*030101	5%
DPB1*0502	30%

DPB1*1101	80%
DPB1*110101	20%
DPB1*1101	100% TOTAL

DQ2	100%
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B-CELL LINE TER-428

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0103	*1129		*0301/24	*0501					RVSSO,SSP
5488 Adams, Sharon	*0103	*1129	*0202	*030101	*050101	*0101	*0505	*020102		RSSO,SSP,SBT
8062 Al-Attas,Ra	NT									
2300 Allegheny Ge	*01	*11	*+	*03	*05	*01	*05			SSO
5133 Baker, Judy	*0103	*1129	*0202/23	*030101	*050101					SSP, SBT
2020 Barnardo, Mar	*0103	*1129	*0202/05/11+	*0301/22/24	*050101	*0501/05+	*0505/08/09	*020102		P-SSP, SBT
774 Cecka, J. Mich	*0103	*1129	*0202/23	*0301/19/21+	*0501	*0101	*0505/09			SSP, SSOP
785 Chan, Soh Ha	*0103	*1129	*+	*0301/13/19+	*0501	*0101/04+	*0501/03+			SBT
4492 Charron, D.	*0103	*1129	*0202	*0301	*0501	*0101	*0505/09	*0201		P-SSO, SSP
3224 Chen, Dongfen	*0103	*1129	*0202/23	*0301	*0501	*01	*0505/09			SBT, SSP, RSSO
8021 Clark, Brenda	*0103	*1129/49	*0107, *02	*0301	*0501			*0201		P-SSP, SSO
3632 Colombe, Beth	*0103	*1129	*0202	*0301	*0501					SSP
3904 Cooper, E. Sha	*0103	*1129	*020201/03+	*030101-0102+	*050101					P-SSP
5130 Costeas, Paul	*0103	*1101/28/29	*0202	*0301	*0501	*0101	*0505			SSP
779 Daniel, Claud	*0103	*11	*01- *03	*03 (DQ7)	*05					P-SSP
5219 Daniel, Dolly	*01	*11	*+							P-SSOP
8052 Del Pozo, Ana	*0103	*11								SSO
5323 Dhaliwal, J. S	*0103	*1129	*02	*03	*05					
5891 Du, Keming	*0103	*1129		*0301	*0501					P-SBT
856 Dupont, Bo	*0103	*1129	*02	*0301/19/21+	*0501					SSP, SSO
5214 Eckels/CPMC	*0103	*11	*02	*03	*0501					SSOP
3428 Eckels/Utah	*0103	*1129		*0301/19/22	*0501	*0101/04+	*0505/09			SSOP
4251 Ellis, Thomas	*0103	*1129	*0202/12	*0301	*0501			*0201	*0201	P-SSO, SEQ
3135 Fischer, John	*0103	*1129	*0202	*0301/09/19	*0501			*0201		SBT, P-SSP
762 Fischer/Mayr	*0103	*1129	*0202	*0301/09	*0501	*0101/07	*0505			RSSO, LBT, SSP+
8043 Gideon, Osna	*0103	*1129		*0301	*0501					SSP, SSP
910 Hahn, Amy B.	*0103	*1129	*0202/23	*0301/19/21+	*0501					SSP
4691 Hajeer, Ali	*01	*11	*+	*03	*05					SSO
810 Hamdi, Nuha	*0103	*110101		*030101	*050101					SSO
4269 Hanau, Daniel	NT									
1461 Hidajat, M.	*0103	*1129	*0202	*0301	*0501			*0201	*0201	SSO, SSP
2344 Hurley/Hartz	*0103	*1129		*030101/19	*050101			*020102		SBT, SSOP
771 Israel, Shosh	*01	*11		*03	*05					SSO, SSP
748 Jaramillo, An	*0103	*11	*+	*03 (DQ7)	*05					P-SSP
797 Kato, Shunich	*0103	*1129		*0301/09/19+	*0501					SSO, +SBT-DR
4337 Kim, Tai-Gyu	*0103	*1129		*0301	*0501			*0201		SBT
168 Klein, Tirza	*0103	*1129		*0301	*0501					P-SSO, SSP
9000 Klein_LR	*01	*11		*03	*05					P-SSO
87 Land, Geoffre	*0103	*1129	*0202	*0301	*0501	*0101	*0505	*0201	*0201	SBT, SSP, SSO
725 Lardy, N, M.	*0103	*11	*+	*03	*05	*0101	*0505/09			SSO, SSP
278 Lee, Jar-How	*0103	*1129	*0202	*0301	*0501	*0101/04+	*0505/09	*0201/*1802/*9401		SSP, RVSSOP
640 Lee, Kyung Wh	*0103	*1129		*0301	*0501	*010101	*0505			P-SBT
274 Lo, Raymundo	*0103	*11	*+	*0301	*05					SSP
759 Lopez-Cepero	*0103	*1101/12/15+		*0301/19	*0501	*0101/04+	*0505/09	*0201/*1802		RVSSO
23 Mah, Helen	*0103	*1129	*0202	*0301	*050101	*0101/04+	*0505/09			SSO, SSP
8029 Mani, Rama	*01	*11	*+							P-SSP
9916 McIntyre, Joh	*0103	*1129	*0202	*0301/24	*0501					SSP, SBT
792 Moore, S. Brea	*0103	*1129	*0202	*0301	*0501	*0101	*0505/08/09			P-SSO, SSP
8042 Muncher, Lior	*0103	*1129		*0301	*0501					SSOP, SSP
5096 Park, Yun Mi	*01	*11								P-SSO
3648 Pereira, Noem	*0103	*1129		*0301/19/21+	*0501					RSSO, SSP, SBT
3966 Permpikul&Ve	*0103	*1129	*0202	*0301	*0501					P-SSP
2400 Phelan, Donna	*0103	*1129	*02	*0301	*0501					RSSO, SSP, SBT
4689 Rajczyk, Katal	*0103	*1129	*0202	*0301/24	*0501					P-SSP
3753 Reed, Elaine	*0103	*1129	*0202/23	*0301	*0501	*0101/04+	*0505/09			SBT, SSP, RSSO
3625 Rees, Tracey	*0103	*1129	*02	*0301	*0501	*0101	*05	*0201/*1602		P-SSP, SBT
3798 Reinsmoen, N	*0103	*1129	*0202/23	*0301/19/22	*0501	*0101	*0505	*0201		SBT, RSSO, SSP

B-CELL LINE TER-428

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
1160 Rosen-BronGT	*0103	*11	*02	*03	*0501					SSP, RVSSO
793 Rubocki, Rona	*0103	*11	++	*03 (DQ7)	*05					SSP
8001 Sheikh, Maqso	*0103	*1129	*0202/23	*0301/19	*0501					RVSSO, SSP
735 Smith/MI	*0103	*1129	++	*0301/19/22	*0501	*0101/04+	*0505/09	*0201		SSOP, SSP, SEQ
746 Stamm, Luz	*0103	*1129	*02	*0301	*0501					RVSSO, SSP
13 Tagliere, Jac	*0103	*1129	*0202	*0301	*0501					SSP
747 Tiercy, Jean-	*0103	*1129	*0202	*0301	*0501			*020102		
5451 Tilanus, Marc	*0103	*1129	*020201	*030101	*050101	*010101	*0505	*020102		SBT
4021 Trachtenberg	*0103	*11	*02	*03	*0501					RVSSO
5462 Turner, E.V.	*0103	*1129	*0202/23	*0301/21/22	*0501			*0201		SBT, SSO, SSP
705 Watkins, Dav	*0103	*1129	*0201g	*0301/19/21+	*0501					SSO, SEQ
3511 Zeevi, Adrian	*0103	*1101	*0202	*0301	*0501					RVSSOP, SSP

CTR DIRNAME	DR103	DR11	DR52	DQ7	DQ1	OTH1	OTH2
5195 Amole, Folasa							
4492 Charron, D.	+	+		+	+		
3904 Cooper, E. Sha	+	+	+	+	+		
910 Hahn, Amy B.	+	+	+	+	+		
4908 Kvam, Vonnett	+	+	+	+	+		
54 McAlack, Robe	+	+	+	+	DQ5		
2400 Phelan, Donna	+	+	+	+	DQ5		
793 Rubocki, Rona	+	+	+	+	+		
8063 Shai, Isaac	+	+	+	+	DQ6		

B-CELL LINE TER-428

67 DNA LABS

67 LABS REPORTING DRB1

DRB1*01	10%
DRB1*0103	90%
DRB1*01	100% TOTAL
DRB1*11	28%
DRB1*1101	2%
DRB1*110101	2%
DRB1*1129	68%
DRB1*11	100% TOTAL

50 LABS REPORTING DRB3

DRB3*+	24%
DRB3*0202	34%
DRB3*020201	2%
DRB3*02	24%
DRB3*0202/23	16%

8 SEROLOGY LABS

DR103	100%
DR11	100%
DR52	88%

63 LABS REPORTING DQB1

DQB1*03	43%
DQB1*0301/19/22	5%
DQB1*0301/19	3%
DQB1*030101/19	2%
DQB1*0301	41%
DQB1*030101	6%
DQB1*03	100% TOTAL
DQB1*05	16%
DQB1*0501	71%
DQB1*050101	13%
DQB1*05	100% TOTAL

27 LABS REPORTING DQA1

DQA1*01	45%
DQA1*0101	41%
DQA1*010101	9%
DQA1*01	95% TOTAL
DQA1*05	23%
DQA1*0505/09	45%
DQA1*0505	32%
DQA1*05	100% TOTAL

18 LABS REPORTING DPB1

DPB1*0201	72%
DPB1*020102	28%
DPB1*0201	100% TOTAL

DQ7 100%

DQ1	63%
DQ5	25%
DQ6	12%
DQ1	100% TOTAL

SERUM NO. 993											SERUM NO. 994											METHOD		
%	%	B	B	B	B	B	B	B	B	B	%	%	B	B	B	B	B	A	A	B				
POS	8'S	4	4	1	3	2	4	4	7	5	POS	8'S	4	4	4	5	7	1	2	2	A			
		4	5	3	7	7	7	9	6	0			4	5	1	0	6	3	3	4	1	9		
Abbal, Michel	???	???	+						+	+	???	???			+		+			+		A9, B27, B12, B47>	(3)	
Alvarez & Ca	40	100	+	+		+			+		95	100	+	+				+	+		+	A25, B60	(3)	
Baker, Judy	14	???	+								14	???	+	+									(4)	
Berka, Noured	80	???	+	+	+	+	+	+			60	???	+	+	+			+	+	+	+	B60, B47, B61	(3)	
Burger, Joe	25	66	+	+	+	+	+	+			26	100	+	+	+		+	+				B82, B60, B61>	( )	
Cantwell, Lin	???	???	+	+	+	+	+	+		+	???	???	+	+	+	+	+		+	+	+	B82, B61	(3)	
Cecka, J. Mich	26	33	+	+	+	+	+	+			53	86	+	+	+	+	+	+	+			B27, B38	(4)	
Charlton, Ron	???	100	+	+	+	+	+	+		+	???	???	+	+	+	+						B82, B61, B60>	(3)	
Choo, Yoon MD	40	0	+	+	+	+	+	+	+	+	20	0	+	+	+		+				+	B7	(5)	
Claas, F.H.J.	40	0		+		+	+	+			60	73		+								B40, B12, B47, A9	(6)	
Cohen, JHM Pr	76	???			+	+	+	+		+	55	???					+	+			+	B12, B21, B82, A9>	(3)	
Cooper, E. Sh	11	0	+								17	0	+	+			+					B75	(1)	
Dunckley, Hea	15	73	+								33	78	+	+									(1)	
Dunk, Arthur	17	83	+		+		+				18	83	+	+		+							(6)	
Dunn, Dale Dr	8	50	+								12	33	+	+									(4)	
Dunn, Paul Dr	33	100	+	+	+		+	+			37	100	+	+	+							B51, B52	(2)	
Eckels/CPMC,	57	???									48	???	+	+									(4)	
Elkhalifa MD	???	???	+	+	+	+	+	+		+	???	???	+	+	+	+	+	+	+	+	+	+	B82	(3)
Esteves Kond	10	100	+								16	100	+	+									(1)	
Esteves-Kond	80	50	+	+		+	+	+		+	83	50	+	+	+		+	+	+		+	B47, B62, B7	(3)	
Gautreaux, Mi	66	???	+	+	+	+	+	+			60	???	+	+	+			+	+			B82, B60, B47>	(3)	
Hahn, Amy B.	55	100			+	+					71	63					+	+	+			B12, B21, B40	(4)	
Hamdi, Nuha D	71	100	+			+	+	+			60	100	+				+	+	+	+		B61, A30, B75>	(3)	
Han, Hoon Dr	49	???	+	+	+	+	+	+		+	40	???	+	+		+	+	+			+	B47	(3)	
Harville, Ter	???	???	+	+	+	+	+	+		+	???	???	+	+	+	+	+	+	+	+	+		B82, B60	(3)
Hogan, Patric	24	19	+		+						26	24	+				+						(1)	
Israel, Shosh	???	???	+								???	???	+	+									(2)	
Klein, Jon MD	53	???	+		+	+	+		+	+	65	???	+		+	+	+				+	B42, B60, B61>	(4)	
Klein, Tirza	80	100	+	+	+	+		+	+	+	72	100	+	+	+	+		+			+	B60, B47, B61>	(3)	
Lardy, N.M. D	31	89	+	+	+			+			31	100	+	+	+								(2)	
MacCann, Eile	90	???	+	+	+	+		+			86	???	+	+	+	+	+	+	+	+	+	+	B40	(3)
Mah, Helen	85	???		+					+	+	98	???		+	+	+	+		+		+		BW4, B82, B61>	(3)
McAlack, Robe	41	100	+	+	+	+	+			+	52	100	+	+	+	+		+		+			B60, B61	(5)
McAlack-Bala	76	100	+	+	+	+	+			+	74	100	+	+	+	+	+	+	+	+			B82	(3)
Meyer, Pieter	65	???	+	+	+	+	+	+		+	55	???	+	+	+	+		+	+	+	+	+	A11, B61, A32	(3)
Moore, S. Brea	39	???	+	+		+	+	+	+	+	41	???	+	+	+	+	+		+		+		B82, B47	(3)
Ozawa, Mikki	???	???	+	+	+	+		+		+	???	???	+	+	+	+	+	+	+	+	+		B82	(3)
Pais, Maria L	5	???									16	68											B12	(1)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+		+	+	+	+	B82, B61	(3)
Permpikul &	8	100	+								9	100	+											(1)
Phelan, Donna	50	???		+					+	+	64	???		+			+				+		A80, A9, B12, B21>	(6)
Pidwell, Dian	26	100	+	+				+			26	100	+	+	+									(2)
Rees, Tracey	???	???	+		+	+	+	+			???	???	+	+	+	+		+	+	+	+	+	2403, A80, B82	(3)
Rosen-BronGT	78	100	+	+	+	+	+		+	+	72	100	+	+	+	+	+				+		B60, B61, B47>	(3)
Rosen-BronMS	77	???	+	+	+	+		+	+	+	70	???	+	+	+	+	+	+	+	+	+		8201, B61	(3)
Sage, Deborah	84	???			+						96	???						+	+	+	+		A25, A32, A80>	(3)
Sinnott & Gu	???	???	+	+				+		+	???	???	+	+	+	+		+	+	+	+	+	A25, A32, A80	(3)
Smith/MI,	67	???	+	+	+	+	+	+		+	62	???	+	+	+	+	+	+	+	+	+	+	B82	(3)
Suciu-Foca, N	23	43	+	+							37	64	+	+	+									(1)
Tagliere, Jac	???	???	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	+	+	8201	(3)
Turner, E.V.	???	???	+	+		+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	+	+	B82, B61	(3)

\*\*\* 51 TYPING LABS \*\*\*

B44	82%	0.884
B45	67%	0.938
B13	59%	0.862
B37	53%	0.974
B27	51%	0.909
B47	49%	1.000
B49	47%	0.921
B76	35%	1.000
B50	20%	1.000
B53	18%	1.000
A32	16%	1.000
B51	16%	1.000
A23	14%	1.000
A25	14%	1.000
B60	12%	1.000
B77	12%	1.000
B82	12%	1.000
BW4	12%	0.929
B57	12%	0.833
B41	12%	0.750
B38	12%	0.727
B61	10%	1.000
B58	10%	0.875
2705	6%	1.000
B12	6%	1.000
B52	6%	1.000
B63	6%	1.000
A24	4%	1.000
A26	4%	1.000
B40	4%	0.556

\*\*\* 51 TYPING LABS \*\*\*

B44	84%	0.910
B45	78%	1.000
B41	51%	0.909
B50	47%	0.760
B76	45%	1.000
A23	43%	1.000
B13	43%	0.698
A1	39%	1.000
A24	39%	0.980
B49	35%	0.897
B82	29%	1.000
B61	29%	0.955
B47	24%	1.000
B60	22%	0.952
B12	14%	0.943
B40	12%	1.000
A9	8%	1.000
A80	8%	1.000
B21	8%	1.000
A25	6%	1.000
A32	6%	1.000
B27	6%	0.714
8201	4%	1.000
B52	4%	1.000
B75	4%	1.000
B7	4%	0.667
B62	4%	0.300

Methods:

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

\*\*\* 51 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

				B	B					B	B	B					METHOD
%	%	4	4			%	%	4	4	1							
POS	8'S	4	5			POS	8'S	4	5	2							
Claas, F.H.J.	40	0		+	B37, B47, B27	60	73				+	B40, B41, B47, A9					(1)
Cooper, E. Sh	11	0		+		17	0		+	+		B75, B76					(1)
Dunckley, Hea	15	73		+		33	78		+	+							(1)
Esteves Kond	10	100		+		16	100		+	+							(1)
Hogan, Patric	24	19		+	B13	26	24		+			B13					(1)
Pais, Maria L	5	???			???	16	68				+						(1)
Permpikul &	8	100		+		9	100		+								(1)
Suciu-Foca, N	23	43		+		37	64		+	+		B49, B50					(1)

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

B44	75%	0.794
B45	25%	1.000
???	13%	1.000
B37	13%	1.000
B47	13%	1.000
B27	13%	0.667
B13	13%	0.143

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

B44	75%	0.825
B45	50%	1.000
B12	25%	0.913
A9	13%	1.000
B40	13%	1.000
B41	13%	1.000
B47	13%	1.000
B75	13%	1.000
B76	13%	1.000
B49	13%	0.890
B50	13%	0.710
B13	13%	0.143

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

Method: NIH-std

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

				B	B	B	B					B	B	B					METHOD	
%	%	4	4	4	1	%	%	4	4	5										
POS	8'S	4	9	5	3	POS	8'S	5	4	0										
Dunn, Paul Dr	33	100		+	+	+	+	B47	37	100		+	+		B41, B51, B52					(2)
Israel, Shosh	???	???		+		???	???		+	+							(2)			
Lardy, N.M. D	31	89		+	+	+	+		31	100		+	+	+						(2)
Pidwell, Dian	26	100		+	+	+			26	100		+	+	+	B49					(2)

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

B44	100%	0.938
B49	75%	0.800
B45	75%	0.500
B13	50%	1.000
B47	25%	1.000

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

B44	100%	1.000
B45	100%	1.000
B50	50%	0.667
B41	25%	1.000
B51	25%	1.000
B52	25%	1.000
B49	25%	0.500

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

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: NIH-ext



	SERUM NO. 993										SERUM NO. 994										METHOD						
	% POS	% 8'S	B 5	B 4	B 3	B 1	B 2	B 4	B 7	B 9	B 6	B 3	B 0	% POS	% 8'S	B 5	B 4	A 3	A 4	B 1		B 6	B 7	B 5	A 1	B 3	B 2
Abbal, Michel	???	???	+									+	+	???	???	+	+	+	+	+	+	+	+	+	+	+	A9, B27, B12, B47> (L-3)
Alvarez & Ca	40	100	+	+			+					+		95	100	+	+	+	+	+	+	+					A25, B49, B60 (F-3)
Baker, Judy	69	???	+	+	+	+	+	+				+	+	60	???	+	+	+	+	+	+	+					(L-3)
Berka, Noured	80	???	+	+	+	+	+	+						60	???	+	+	+	+	+	+	+					B60, B47, B61> (L-3)
Cantwell, Lin	???	???	+	+	+	+	+	+				+	+	???	???	+	+	+	+	+	+	+					B49, B61 (L-3)
Cecka, J. Mich	62	???	+	+	+	+								62	???	+	+	+	+	+	+	+					A25, A32, A80> (L-3)
Charlton, Ron	???	100	+	+	+	+	+					+		???	???	+	+			+	+						B61, B60, B47 (L-3)
Cohen, JHM Pr	76	???		+	+	+	+					+	+	55	???						+	+	+	+	+		B12, B21, A9, B40 (L-3)
Dunn, Paul Dr	???	???	+	+	+	+	+	+				+	+	???	???	+	+	+				+	+				B61, B27, B37> (L-3)
Eckels/CPMC	84	???	+	+	+	+	+							94	???	+	+	+	+	+			+	+			A25, A32, B47 (LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+				+	+	???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Esteves-Kond	80	50	+	+			+	+	+			+		83	50	+	+	+	+			+	+				B47, B49, B62, B7 (F-3)
Gautreaux, Mi	66	???	+	+	+	+	+	+						60	???	+	+	+	+	+							B60, B47, B61 (L-3)
Hamdi, Nuha D	71	100		+			+							60	100	+	+	+	+			+	+				B61, A30, B75> (L-3)
Han, Hoon Dr	49	???	+	+	+	+	+	+				+		40	???	+	+			+	+						B47, B49 (L-3)
Harville, Ter	???	???	+	+	+	+	+					+	+	???	???	+	+	+	+	+	+	+	+	+	+		B60 (L-3)
Hogan, Patric	25	???	+	+	+	+	+					+		24	???	+	+	+	+	+	+		+	+	+		B61, B47 (L-3)
Klein, Tirza	80	100	+	+	+	+						+	+	72	100	+	+	+	+	+	+	+					B60, B47, B61> (L-3)
MacCann, Eile	90	???	+	+	+	+								86	???	+	+	+	+	+	+	+	+	+	+		B49, B40 (L-3)
Mah, Helen	85	???	+									+	+	98	???	+	+	+	+	+	+	+	+	+	+		BW4, B61, B60 (L-3)
McAlack-Bala	76	100	+	+	+	+	+					+		74	100	+	+	+	+	+	+						(L-3)
Meyer, Pieter	65	???	+	+	+	+	+	+						55	???	+	+	+	+	+	+	+	+	+			A11, B61, B49> (L-3)
Moore, S. Brea	39	???	+	+	+	+	+	+				+		41	???	+	+	+	+	+	+						B49, B47 (L-3)
Ozawa, Mikki	???	???	+	+	+	+						+	+	???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+				+		???	???	+	+	+	+	+	+	+	+	+	+		B49, B61 (L-3)
Permpikul &	???	???	+	+								+	+	???	???	+	+	+	+	+	+	+	+	+	+		A80, B49, B60> (L-3)
Phelan, Donna	32	???	+									+	+	24	???					+	+						A80, A9, B12, B21> (L-3)
Pidwell, Dian	???	???	+	+	+	+	+	+				+	+	???	???	+	+	+	+	+	+	+					8201, B61, B47 (F-3)
Rees, Tracey	???	???		+	+	+	+							???	???	+	+	+	+	+	+	+					2403, A80 (L-3)
Rosen-BronGT	78	100	+	+	+	+						+	+	72	100	+	+	+	+	+	+	+					B49, B60, B61> (F-3)
Rosen-BronMS	77	???	+	+	+	+						+	+	70	???	+	+	+	+	+	+	+					8201, B61 (LF-3)
Sage, Deborah	84	???				+								96	???			+	+			+	+				A25, A32, A80> (L-3)
Sinnott & Gu	???	???	+	+								+	+	???	???	+	+	+	+	+	+	+	+	+	+		A25, A32, A80> (L-3)
Smith/MI,	67	???	+	+	+	+	+	+				+	+	62	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Suciu-Foca, N	100	???	+	+	+	+	+					+	+	100	???	+	+	+	+	+	+	+	+	+	+		B61 (L-3)
Tagliere, Jac	???	???	+	+	+	+	+	+						???	???	+	+	+	+	+	+	+	+	+	+		8201, B49 (L-3)
Turner, E.V.	???	???	+	+	+							+		???	???	+	+	+	+	+	+	+	+	+	+		B61, B49 (L-3)

(3) - L-Luminex, F-Flow

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

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

B45	89%	1.000
B44	86%	1.000
B37	76%	1.000
B13	73%	1.000
B27	70%	1.000
B47	68%	1.000
B49	57%	1.000
B76	54%	1.000
B53	32%	1.000
B50	30%	1.000
A32	27%	1.000
A23	24%	1.000
A25	24%	1.000
B51	24%	1.000
B41	19%	1.000
B77	19%	1.000
B82	19%	1.000
B60	19%	0.929
B38	16%	1.000
B61	16%	1.000
BW4	14%	1.000
B57	14%	0.857
B58	11%	1.000
2705	8%	1.000
A26	8%	1.000
A24	5%	1.000
A66	5%	1.000
B12	5%	1.000
B52	5%	1.000
B63	5%	1.000
A11	5%	0.905

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

B44	86%	1.000
B45	86%	1.000
A23	73%	1.000
A24	70%	1.000
B41	65%	1.000
B50	62%	1.000
B76	62%	1.000
A1	59%	0.980
B13	57%	1.000
B61	46%	1.000
B82	46%	1.000
B49	43%	1.000
B47	35%	1.000
B60	24%	0.938
A80	16%	1.000
A25	14%	1.000
A32	14%	1.000
8201	11%	1.000
B12	11%	1.000
B40	11%	1.000
A9	8%	1.000
B21	8%	1.000
B27	8%	1.000
B37	5%	1.000

\*\*\* 37 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Luminex/Flow

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

	SERUM NO. 993							SERUM NO. 994							METHOD							
	%	%	B 4	B 2	B 1	B W	B 4	B 4	B 3	B 3	%	%	B 4	B 4		B 4	B 1	B 7	B 5	B 4		
	POS	8'S	4	7	3	4	9	5	8	7		POS	8'S	4	5	1	3	6	0	9		
Baker, Judy	14	???	+								14	???	+	+								(4)
Cecka, J. Mich	26	33	+	+	+		+	+	+	B41	53	86	+	+	+	+	+			B27, B38		(4)
Dunn, Dale Dr	8	50	+								12	33	+	+								(4)
Eckels/CPMC,	57	???				+					48	???	+	+								(4)
Hahn, Amy B.	55	100		+	+	+				B12, B21, B40	71	63				+				B12, B21, B40, A1, A24		(4)
Klein, Jon MD	53	???	+	+	+		+	+	+	B57, B58, B63, B76	65	???	+		+	+	+		+	B42, B60, B61, B62, B63		(4)
Suciu-Foca, N	33	45	+	+				+			55	52	+	+	+			+	+	B16		(4)

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

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

B44	71%	0.889
B27	57%	0.783
B13	43%	0.917
B45	29%	1.000
BW4	29%	0.861
B37	29%	0.750
B49	29%	0.667
B38	29%	0.571
B12	14%	1.000
B21	14%	1.000
B63	14%	1.000
B76	14%	1.000
B57	14%	0.750
B40	14%	0.500
B58	14%	0.500
B41	14%	0.333

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

B44	86%	0.929
B45	71%	1.000
B41	43%	0.714
B13	43%	0.661
B49	29%	1.000
B50	29%	1.000
B76	29%	1.000
A1	14%	1.000
B12	14%	1.000
B21	14%	1.000
B40	14%	1.000
A24	14%	0.917
B60	14%	0.800
B16	14%	0.750
B38	14%	0.750
B61	14%	0.750
B27	14%	0.600
B42	14%	0.500
B63	14%	0.500
B62	14%	0.286

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

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Antiglobulin

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

	%	%	B	B	B	B	B	B	B	B		B	B	B	B	A	B	B	B	A				
	POS	8'S	4	3	2	1	4	4	5	5	4	4	A	7	4	4	2	4	1	1	2	METHOD		
Cecka, J. Mich	68	50	+	+	+	+		+		+		A26, A66, B5, B17		34	12		+	+			+	+	A9	(5)
Choo, Yoon MD	40	0	+	+	+	+	+	+			+	B76		20	0	+		+	+	+		+	B7	(5)
Esteves-Kond	63	67	+	+	+	+	+	+		+		B58, CW6		66	100	+	+	+	+	+		+	B57, B42	(5)
Hahn, Amy B.	11	???	+	+	+	+	+				+	BW4, B21, B40, B41		17	???	+	+				+	+	B21, B40, B47	(5)
McAlack, Robe	41	100	+	+	+	+	+		+	+		B52		52	100	+	+		+	+			B60, B61, B50	(5)

\*\*\*\*\* SERUM NO. 993 \*\*\*\*\* SERUM NO. 994 \*\*\*\*\*

\*\*\* 5 TYPING LABS \*\*\*

B13	100%	1.000
B37	100%	1.000
B44	100%	0.929
B27	100%	0.909
B45	80%	1.000
B49	60%	1.000
B47	40%	1.000
B53	40%	1.000
B57	40%	1.000
A26	20%	1.000
A66	20%	1.000
BW4	20%	1.000
B21	20%	1.000
B40	20%	1.000
B41	20%	1.000
B52	20%	1.000
B58	20%	1.000
B76	20%	1.000
CW6	20%	1.000
B17	20%	0.857
B5	20%	0.833

\*\*\* 5 TYPING LABS \*\*\*

A1	80%	0.923
B41	80%	0.857
A23	60%	1.000
B45	60%	1.000
B76	60%	1.000
B44	60%	0.889
A24	40%	1.000
B12	40%	1.000
B13	40%	1.000
B49	40%	0.667
B21	20%	1.000
B40	20%	1.000
B42	20%	1.000
B47	20%	1.000
B50	20%	1.000
B57	20%	1.000
B60	20%	1.000
B61	20%	1.000
B7	20%	0.500
A9	20%	0.462

\*\*\* 5 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Elisa



\*\*\* 51 TYPING LABS \*\*\*

B44	80%	0.955
B45	75%	0.885
B37	49%	1.000
B13	45%	0.972
B47	43%	1.000
B76	41%	1.000
B27	39%	0.935
B53	37%	1.000
B82	35%	1.000
B49	35%	0.968
B51	25%	1.000
B38	18%	1.000
B50	12%	1.000
B57	12%	1.000
B60	12%	1.000
B77	12%	1.000
B41	12%	0.900
BW4	10%	1.000
B52	10%	1.000
B63	10%	1.000
B58	8%	0.900
B61	8%	0.571
B12	6%	1.000
B40	6%	1.000
B59	6%	1.000
8201	4%	1.000
A68	4%	1.000
B5	4%	1.000
B21	4%	1.000
B62	4%	1.000

\*\*\* 51 TYPING LABS \*\*\*

B45	76%	0.984
B62	69%	0.953
B35	69%	0.891
B44	65%	0.923
B50	53%	1.000
B72	53%	1.000
B75	45%	0.956
B76	43%	0.719
B53	41%	0.968
B49	35%	0.941
B41	29%	1.000
B71	25%	1.000
B13	22%	0.810
B18	20%	1.000
B60	14%	0.867
B51	12%	0.875
B61	10%	1.000
B47	8%	1.000
B52	8%	1.000
B77	8%	1.000
B5	6%	1.000
B12	6%	1.000
B21	6%	1.000
B37	6%	1.000
B8	4%	1.000
B15	4%	1.000
B38	4%	1.000
BW4	4%	0.917
B27	4%	0.800

Methods:

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

\*\*\* 51 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: All

***** SERUM NO. 995 *****				***** SERUM NO. 996 *****										
	B	B	B	B	B	B	B							
%	%	4	4	3	%	%	4	6						
POS	8'S	4	5	7	POS	8'S	4	2						
-----	-----	-----	-----	-----	-----	-----	-----	-----	METHOD					
Claas, F.H.J.	78	53		+	B12, B47, B40, B21, B41, B13	64	14		+	+	+	+	B72, B41, B18	(1)
Cooper, E. Sh	22	50		+	+	23	0		+					(1)
Dunckley, Hea	30	94		+	+	56	60		+	+	+	+	+	B13
Esteves Kond	7	100		+		16	50		+	+	+			(1)
Hogan, Patric	32	57		+		57	74		+	+		+	+	(1)
Pais, Maria L	20	75		+		8	75						???	(1)
Permpikul &	6	100		+		43	100		+	+		+	+	(1)
Suciu-Foca, N	27	75		+	+	67	62		+		+	+		(1)

\*\*\*\*\* SERUM NO. 995 \*\*\*\*\*  
 \*\*\* 8 TYPING LABS \*\*\*

B44	88%	0.928	B44	75%	0.903
B45	38%	0.375	B45	63%	0.944
B37	25%	1.000	B62	63%	0.882
B12	13%	1.000	B35	63%	0.765
B13	13%	1.000	B75	50%	0.917
B21	13%	1.000	B50	38%	1.000
B40	13%	1.000	B76	25%	1.000
B41	13%	1.000	B49	25%	0.667
B47	13%	1.000	???	13%	1.000
			B18	13%	1.000
			B41	13%	1.000
			B72	13%	1.000
			B13	13%	0.500

Method: NIH-std \*\*\* 8 LABORATORIES REPLIED \*\*\*

***** SERUM NO. 995 *****				***** SERUM NO. 996 *****										
	B	B		B	B	B	B							
%	%	4	4	%	%	6	4	4						
POS	8'S	5	4	POS	8'S	2	9	5						
-----	-----	-----	-----	-----	-----	-----	-----	-----	METHOD					
Dunn, Paul Dr	19	100		+	+	60	100		+	+	+	+	B38	(2)
Israel, Shosh	???	???		+	+	???	???		+	+	+	+	B72, B75, A30	(2)
Lardy, N.M. D	22	89		+	+	48	89		+	+	+	+	B52	(2)
Pidwell, Dian	24	100		+	+	53	100		+	+	+	+	B41	(2)

\*\*\*\*\* SERUM NO. 995 \*\*\*\*\*  
 \*\*\* 4 TYPING LABS \*\*\*

B44	100%	0.938	B45	100%	1.000
B45	100%	0.857	B49	100%	1.000
B13	25%	0.667	B62	100%	1.000
B49	25%	0.500	B44	100%	0.938
			B35	75%	1.000
			B50	75%	1.000
			B53	50%	1.000
			B71	50%	1.000
			A30	25%	1.000
			B38	25%	1.000
			B41	25%	1.000
			B52	25%	1.000
			B72	25%	1.000
			B75	25%	1.000

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

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: NIH-ext

SERUM NO. 995											SERUM NO. 996											METHOD					
POS	%	B	B	B	B	B	B	B	B	B	POS	%	B	B	B	B	B	B	B	B	B						
8'S	8'S	4	4	4	7	3	8	5	2	1	8'S	8'S	4	3	7	6	5	4	7	7	5	7					
Abbal, Michel	???	???	+				+				BW4,B41,B40>	???	???	+								+	B13,B18,B16>	(L-3)			
Alvarez & Ca	38	100	+	+					+	+	B52	25	100	+		+		+					+	B49,B52	(F-3)		
Baker, Judy	75	???	+	+			+				B41,B61,B50>	85	???	+	+	+		+	+	+	+				(L-3)		
Berka, Noured	74	???	+	+	+		+	+	+		B77,B63,B60	76	???	+	+	+	+	+						B18,B61,B60,B8>	(L-3)		
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+	B38,B51	???	???	+	+	+	+	+	+	+	+	+	+		B49	(L-3)	
Cecka, J. Mich	75	???	+	+			+			+	A25,A32,BW4>	82	???	+	+	+	+	+	+	+	+		+		B51,B77	(L-3)	
Charlton, Ron	???	???	+		+	+	+	+	+	+		???	???	+	+	+			+	+	+				B41	(L-3)	
Cohen, JHM Pr	69	???			+	+	+	+		+	B12,B5	85	???	+											B12,B21,B5,B18>	(L-3)	
Dunn, Paul Dr	???	???	+	+	+	+	+	+		+	B38,B51	???	???	+	+	+	+	+	+	+	+	+	+	+		B49	(L-3)
Eckels/CPMC	67	???	+	+	+		+		+	+	B38,B41,B50	96	???	+				+							B13,B18,B37>	(LF-3)	
Elkhalifa MD	???	???	+	+			+	+		+	B51,B59,B38	???	???	+	+	+	+	+	+	+	+	+	+	+		B41	(L-3)
Esteves-Kond	61	50	+	+	+					+	B38,B57,B52>	96	50	+		+	+	+	+	+	+	+	+	+		B38,B49,B51	(F-3)
Gautreaux, Mi	78	???	+					+	+		B72,B62,B18>	74	???	+				+				+			B47,B37,B82>	(L-3)	
Hamdi, Nuha D	75	100		+						+	CW6,A68,A32>	85	100						+						CW4,B18,CW2>	(L-3)	
Han, Hoon Dr	62	???	+	+	+		+		+	+	B52	62	???	+		+	+	+	+				+			B13,B49	(L-3)
Harville, Ter	???	???	+	+	+	+	+	+	+	+	B51	???	???	+	+	+	+	+	+	+	+	+	+	+		B41	(L-3)
Hogan, Patric	25	???	+	+	+	+	+	+	+	+	B58	36	???	+	+	+	+		+	+	+				B60,B41,B18	(L-3)	
Klein, Tirza	76	100	+	+	+		+	+	+	+	B77,B63	88	100	+	+	+	+	+							B18,B13,B61>	(L-3)	
MacCann, Eile	80	???	+	+			+			+	B60,B58,B63,A9	92	???	+	+	+	+		+						B5,B18,B40,B21	(L-3)	
Mah, Helen	92	???	+		+		+		+		BW4,B50,B61>	97	???	+	+	+	+	+		+	+	+	+	+		BW4,B41	(L-3)
McAlack-Bala	72	100	+	+	+		+		+	+	B51	93	100	+	+	+	+	+	+	+	+	+	+	+			(L-3)
Meyer, Pieter	69	???	+	+	+		+		+	+	B51,B59,B52	85	???	+	+	+	+	+				+	+		B49,B78,B13>	(L-3)	
Moore, S. Brea	38	???	+	+	+		+		+	+	B57,B77	49	???	+	+	+	+	+							B77,B41,B49	(L-3)	
Ozawa, Mikki	65	???	+	+	+	+	+	+	+	+	B51	???	???	+	+	+	+	+	+	+	+	+	+	+		B77	(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	B38	???	???	+	+	+	+	+	+				+			B49,B41	(L-3)
Permpikul &	???	???	+	+	+				+	+	A11,A25,A32>	???	???	+	+	+	+									A29,A30,A31>	(L-3)
Phelan, Donna	28	???	+		+		+				BW4,B41,B40>	35	???													5C,12C,8C	(L-3)
Pidwell, Dian	???	???	+	+	+	+	+		+	+	B38,B52	???	???	+	+	+	+	+	+	+	+	+	+	+		B78	(F-3)
Rees, Tracey	???	???	+	+	+	+	+		+	+	A1,A23	???	???	+	+	+	+	+	+	+	+	+	+	+		B51	(L-3)
Rosen-BronGT	69	100	+	+	+				+	+	B60,B61,B63>	88	100	+	+	+	+	+	+	+	+	+	+	+		B49,B63	(F-3)
Rosen-BronMS	75	???	+	+	+	+	+		+	+	8201,B51	88	???	+	+	+	+	+	+	+	+	+	+	+		B41	(LF-3)
Sage, Deborah	82	???			+					+	B5,B12,B63,B77>	92	???		+				+	+						B5,B8,B12,B13>	(L-3)
Sinnott & Gu	???	???	+	+	+		+		+	+	B50,B60,B61>	???	???	+				+	+							B49,B37,B13>	(L-3)
Smith/MI,	75	???	+	+	+	+	+	+	+	+	B51	84	???	+	+	+	+	+	+	+	+	+	+	+		A68,B41	(L-3)
Suciu-Foca, N	100	???	+	+	+	+	+	+	+	+	B51	100	???	+	+	+	+	+	+	+	+	+	+	+		B41	(L-3)
Tagliere, Jac	???	???	+	+	+	+	+	+	+		8201,B38,B51>	???	???	+	+	+	+	+	+	+	+	+	+	+		B51,B77	(L-3)
Turner, E.V.	???	???	+	+	+	+	+		+	+	B51,B38	???	???	+	+	+	+	+	+	+	+	+	+	+		B49	(L-3)

(3) - L-Luminex, F-Flow



\*\*\*\*\* SERUM NO. 995 \*\*\*\*\* SERUM NO. 996 \*\*\*\*\*

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

B45	92%	1.000
B44	81%	1.000
B47	68%	1.000
B37	65%	1.000
B76	65%	1.000
B82	57%	1.000
B13	54%	1.000
B53	54%	1.000
B27	54%	0.952
B49	49%	1.000
B51	41%	1.000
B38	30%	1.000
B50	22%	1.000
B41	16%	1.000
B60	16%	1.000
B77	16%	1.000
BW4	14%	1.000
B52	14%	1.000
B61	14%	1.000
B63	14%	1.000
8201	8%	1.000
A25	8%	1.000
A32	8%	1.000
B57	8%	1.000
B59	8%	1.000
B5	5%	1.000
B12	5%	1.000
B40	5%	1.000
A11	5%	0.952
B58	5%	0.800

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

B45	84%	1.000
B35	81%	1.000
B62	70%	1.000
B72	70%	1.000
B44	65%	1.000
B50	65%	1.000
B76	62%	0.719
B53	54%	1.000
B75	54%	1.000
B41	32%	1.000
B49	32%	1.000
B71	32%	1.000
B13	27%	1.000
B18	22%	1.000
B51	16%	1.000
B60	16%	1.000
B47	14%	1.000
B61	11%	1.000
B77	11%	1.000
B5	8%	1.000
B12	8%	1.000
B21	8%	1.000
B37	8%	1.000
B8	5%	1.000
B15	5%	1.000
B38	5%	1.000
B52	5%	1.000
B78	5%	1.000
A29	5%	0.889

\*\*\* 37 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Luminex/Flow

\*\*\*\*\* SERUM NO. 995 \*\*\*\*\* SERUM NO. 996 \*\*\*\*\*

	SERUM NO. 995							SERUM NO. 996							METHOD							
	%	%	B 4	B 5	B 4	B 2	B W	B 4	B 3	B 1	%	%	B 4	B 4		B 3	B 7	B 6	B 6	B 5	B 4	
POS 8'S	4	3	5	7	4	9	7	3														
Baker, Judy	9	???	+								24	???	+	+	+	+					(4)	
Cecka, J. Mich	53	86	+	+	+	+					86	53			+	+					BW4, B18, B61, B72	(4)
Dunn, Dale Dr	10	100	+								8	17	+	+								(4)
Eckels/CPMC,	70	???			+		+				60	???	+	+								(4)
Hahn, Amy B.	67	86					+				66	50	+		+	+	+	+	+		B13, B70	(4)
Klein, Jon MD	61	???	+	+		+		+	+	+	69	???		+	+						B57, B58, B49, B37, B51>	(4)
Suciu-Foca, N	53	59	+	+	+	+					70	60	+	+	+				+		B21, B15	(4)

\*\*\*\*\* SERUM NO. 995 \*\*\*\*\* SERUM NO. 996 \*\*\*\*\*

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

B44	71%	0.963
B27	43%	1.000
B45	43%	1.000
B53	43%	0.857
BW4	29%	1.000
B13	29%	1.000
B37	29%	1.000
B49	29%	1.000
B38	14%	1.000
B50	14%	1.000
B51	14%	1.000
B52	14%	1.000
B57	14%	1.000
B58	14%	1.000
B62	14%	1.000
B76	14%	1.000
B17	14%	0.750
B41	14%	0.667
B61	14%	0.250

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

B45	71%	1.000
B44	71%	0.850
B35	57%	0.893
B41	29%	1.000
B62	29%	1.000
B71	29%	1.000
B53	29%	0.800
B60	29%	0.750
B18	14%	1.000
B37	14%	1.000
B49	14%	1.000
B52	14%	1.000
B57	14%	1.000
B61	14%	1.000
B70	14%	1.000
B72	14%	1.000
B76	14%	1.000
BW4	14%	0.914
B21	14%	0.800
B15	14%	0.750
B58	14%	0.750
B13	14%	0.667
B27	14%	0.667
B51	14%	0.667

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

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Antiglobulin

\*\*\*\*\* SERUM NO. 995 \*\*\*\*\* SERUM NO. 996 \*\*\*\*\*

	%	%	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	METHOD				
	POS	8'S	4	5	4	4	3	2	W	6	6	4		POS	8'S	2	2	5	3	5	1	5	7	6	1	
Cecka, J. Mich	75	31	+		+				+	+	+		59	0	+		+				+	+			B5, B8, B12, B18>	(5)
Choo, Yoon MD	63	67	+	+	+		+	+			+	B13, B47, A68	50	50	+	+	+				+	+	+		A3, B48, B13	(5)
Esteves-Kond	89	100	+	+	+		+	+			+	A1, A36, BW6	68	100	+	+		+	+	+			+		B78, B44	(5)
Hahn, Amy B.	32	???	+		+				+	+	+	B50	32	???	+	+		+	+	+	+			+	B50, B60, B13	(5)
McAlack, Robe	38	100	+	+	+		+	+				B13, B58, B38	58	100	+	+	+	+	+	+					B50, B18	(5)

\*\*\*\*\* SERUM NO. 995 \*\*\*\*\* SERUM NO. 996 \*\*\*\*\*

\*\*\* 5 TYPING LABS \*\*\*

B45	100%	1.000
B37	60%	1.000
B44	60%	1.000
B57	60%	1.000
B41	60%	0.857
B27	60%	0.833
B13	40%	1.000
B49	40%	1.000
B60	40%	1.000
BW4	40%	0.917
B61	40%	0.750
A1	20%	1.000
A36	20%	1.000
A68	20%	1.000
BW6	20%	1.000
B38	20%	1.000
B47	20%	1.000
B50	20%	1.000
B58	20%	1.000

\*\*\* 5 TYPING LABS \*\*\*

B62	100%	0.917
B72	80%	1.000
B35	60%	1.000
B41	60%	1.000
B45	60%	1.000
B53	60%	1.000
B75	60%	0.833
B13	40%	1.000
B50	40%	1.000
B71	40%	1.000
B76	40%	1.000
B77	40%	1.000
B18	40%	0.667
A3	20%	1.000
B48	20%	1.000
B60	20%	1.000
B78	20%	1.000
B40	20%	0.833
B70	20%	0.833
B44	20%	0.750
B8	20%	0.667
B12	20%	0.667
B5	20%	0.500

\*\*\* 5 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Elisa

	SERUM NO. 997										SERUM NO. 998										METHOD		
	%	%	B	B	B	B	B	B	B	B	%	%	B	B	B	B	B	B	B	B			
	POS	8'S	7	2	7	1	5	6	7	2	POS	8'S	7	2	1	7	3	5	0	6	7		
Abbal, Michel	???	???	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+			+	+	CW1,CW7,CW10	(3)
Al-Attas, Rab	???	???	+			+			+	+	B8,B63,B61,B60>	???	???	+	+	+	+			+	+	CW7,CW10,CW9	(3)
Alvarez & Ca	32	100	+		+		+					25	100	+			+		+			B45,B44	(3)
Baker, Judy	33	8	+	+	+		+					28	5	+	+							B13	(4)
Berka, Noured	66	100	+	+	+	+	+	+	+	+	B48	70	100	+		+	+	+	+	+		B13,B44,B45	(3)
Burger, Joe	18	100	+	+	+	+	+		+	+	B60,B61	35	100	+	+	+	+	+	+	+		B82	(3)
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+			+	+	CW7,CW10,CW9	(3)
Cecka, J. Mich	31	20	+	+	+		+				B60	48	67	+	+	+		+	+		+		(4)
Choo, Yoon MD	53	100	+	+	+	+	+				B61,B60	65	100	+	+	+	+		+	+			(3)
Claas, F.H.J.	43	60	+	+	+	+			+		B22	39	93	+		+							(6)
Cohen, JHM Pr	51	???	+	+	+	+			+	+	B22	58	???	+	+	+	+			+	+	CW7	(3)
Cooper, E. Sh	5	0	+									2	0									???	(4)
Dunckley, Hea	10	38	+									16	42	+									(1)
Dunk, Arthur	15	60	+	+		+						10	0	+		+							(6)
Dunn, Dale Dr	13	20	+			+					B75	3	20	+									(4)
Dunn, Paul Dr	7	100	+							+		16	100	+									(2)
Eckels/CPMC,	43	???	+	+	+		+	+			B40,B48,B57>	50	???		+		+		+			B12,B13,B40>	(4)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+			+	+	CW7,CW10,CW9	(3)
Esteves Kond	3	???									???	0	0										(1)
Esteves-Kond	90	100	+	+	+		+	+		+	B48,B60,B61	79	100	+	+		+	+	+		+	B13,B54,B56	(3)
Gautreaux, Mi	72	???	+	+	+	+	+	+		+		56	???	+	+	+		+	+	+		B82,B56	(3)
Hahn, Amy B.	43	100	+	+	+						B22,B60	79	25	+	+	+	+					B40,B22	(4)
Hamdi, Nuha D	51	100	+	+	+				+		CW1,A3,CW7,B61	49	100	+	+	+	+	+		+		A1,CW15,CW1>	(3)
Han, Hoon Dr	40	???	+	+	+	+	+	+		+	A24	45	???	+	+	+	+			+	+	A24	(3)
Hogan, Patric	12	38	+									12	25	+									(1)
Israel, Shosh	64	???	+	+	+	+	+	+			6601,A68,A69	56	???	+		+			+			6602,A26,A69>	(3)
Klein, Jon MD	46	???	+	+	+	+	+	+	+	+	B60	50	???	+	+	+		+	+			B13,B54,B56>	(5)
Klein, Tirza	36	100	+	+		+	+	+		+	B60	58	100	+	+	+		+	+			B48,B56,B45>	(3)
Lardy, N.M. D	13	71	+									39	100	+		+		+				B56,B49	(2)
Leech MD, Ste	???	???	+	+	+	+	+			+	B60	???	???	+	+	+		+	+			CW7,B82	(3)
MacCann, Eile	68	???	+	+	+	+	+		+	+	B60,B61	86	???	+	+	+	+	+	+			B82,B54,B56>	(3)
Mah, Helen	67	???	+	+	+	+	+	+	+	+		70	???	+	+	+	+	+	+	+	+	B82	(3)
McAlack, Robe	21	100	+	+	+	+			+		B22,B60,B65	14	0	+	+	+	+	+	+	+		B56	(5)
McAlack-Bala	43	100	+	+	+	+			+		B22,B60,B61	43	100	+	+	+	+	+	+	+			(3)
McCluskey, Ja	3	0	+									6	100	+									(6)
Meyer, Pieter	31	???	+	+	+	+	+	+	+	+		25	???	+	+	+	+	+	+			B65,B49,B54	(3)
Moore, S. Brea	24	???	+	+	+	+	+	+	+	+		34	???	+	+	+	+	+		+	+	CW7,CW10	(3)
Mpuntsha, Loy	39	100	+	+	+	+	+	+		+	B77	20	100	+		+	+				+		(5)
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+		+	+	B82,B48	(3)
Pais, Maria L	0	0										0	0										(1)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+			+	+	CW7,CX14,CW8	(3)
Permpikul &	4	50	+									8	100	+									(1)
Phelan, Donna	43	???	+	+	+	+			+	+	B22,B40,B48>	30	???	+	+	+						B82,B40	(6)
Pidwell, Dian	14	75	+		+							3	100	+									(2)
Rees, Tracey	???	???	+	+	+	+	+	+	+	+	2708	???	???	+	+	+	+	+	+	+	+	2708,B82	(3)
Rosen-BronGT	63	100	+	+	+	+	+	+		+	B48,B57	60	100	+	+	+		+	+	+	+	B54,B56	(3)
Rosen-BronMS	65	???	+	+	+	+	+	+	+	+	8201	75	???	+	+	+	+		+	+		CW7,CW10,CW9	(3)
Sage, Deborah	68	???	+	+	+	+	+	+		+	B60,B61,B48	90	???	+	+	+		+	+	+	+	1302,B56,B48	(3)
Sinnott & Gu	???	???	+	+		+				+	A26,A66,B60>	???	???	+	+	+		+	+	+	+	6602,B82,B48>	(3)
Smith/MI,	38	???	+	+	+	+	+			+		60	???	+	+	+	+	+	+	+	+	B48,B13	(4)
Suciu-Foca, N	27	67	+		+	+						25	40	+		+	+						(1)
Sullivan, Kar	43	???	+	+	+		+				A1,B48,B60	38	???	+	+	+	+		+		+	B56,B22,CW1	(5)
Tagliere, Jac	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+			CW7,CW3,CW8>	(3)
Turner, E.V.	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+		+	+	B82	(3)

\*\*\* 54 TYPING LABS \*\*\*

B7	94%	0.876
B42	74%	0.987
B27	70%	0.984
B81	65%	1.000
B55	59%	1.000
B56	54%	1.000
B67	46%	1.000
B82	43%	1.000
B54	41%	1.000
B73	31%	1.000
B60	30%	0.900
B61	19%	1.000
B48	15%	1.000
B22	11%	1.000
B57	6%	1.000
B40	4%	1.000

\*\*\* 54 TYPING LABS \*\*\*

B7	93%	0.888
B42	67%	0.983
B81	63%	0.979
B27	61%	0.929
B73	50%	1.000
B55	46%	0.971
B46	35%	1.000
B60	35%	0.909
B67	33%	1.000
B61	22%	0.889
B82	20%	1.000
B56	19%	1.000
CW7	19%	1.000
B48	13%	1.000
CW10	11%	1.000
B13	11%	0.857
B54	11%	0.857
B45	9%	1.000
CW9	7%	1.000
6602	6%	1.000
B40	6%	1.000
B44	6%	1.000
CW1	6%	0.917
B22	4%	1.000
B49	4%	1.000
CX14	4%	1.000
CW8	4%	1.000

Methods:

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

\*\*\* 54 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

	B B			B B	B B			METHOD
	% POS	% 8'S	B 7		% POS	% 8'S	B 7	
Claas, F.H.J.	43	60	+ + +	B22, B42, B67	39	93	+ +	(1)
Dunckley, Hea	10	38	+		16	42	+	(1)
Esteves Kond	3	???		???	0	0		(1)
Hogan, Patric	12	38	+		12	25	+	(1)
Pais, Maria L	0	0			0	0		(1)
Permpikul &	4	50	+		8	100	+	(1)
Suciu-Foca, N	27	67	+ + +		25	40	+ + B27	(1)

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

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

B7	71%	0.660
B27	29%	1.000
B81	29%	1.000
???	14%	1.000
B22	14%	1.000
B42	14%	1.000
B67	14%	1.000

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

B7	71%	0.774
B81	29%	1.000
B27	14%	1.000

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

Method: NIH-std

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

	B			B	B			METHOD
	% POS	% 8'S	B 7		% POS	% 8'S	B 7	
Dunn, Paul Dr	7	100	+ B73	16	100	+ B73	(2)	
Lardy, N.M. D	13	71	+	39	100	+ B56, B55, B27, B49	(2)	
Pidwell, Dian	14	75	+ B81	3	100	+	(2)	

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

\*\*\* 3 TYPING LABS \*\*\*

B7	100%	1.000
B73	33%	1.000
B81	33%	1.000

\*\*\* 3 TYPING LABS \*\*\*

B7	100%	0.750
B49	33%	1.000
B56	33%	1.000
B73	33%	1.000
B55	33%	0.667
B27	33%	0.429

\*\*\* 3 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: NIH-ext

		SERUM NO. 997										SERUM NO. 998										METHOD		
		B	B	B	B	B	B	B	B	B	B			B	B	B	B	B	B	B	B	B	C	
%	%	7	2	7	1	5	6	2	7	4	3	POS	8'S	7	2	1	7	3	6	7	5	0	7	
Abbal, Michel	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	+	CW1, CW10	(L-3)
Al-Attas, Rab	???	???	+			+			+	+	+	???	???	+	+	+	+	+	+	+	+	+	CW10, CW9	(L-3)
Alvarez & Ca	32	100	+		+							B8, B63, B61, B60>		25	100	+		+		+	+	+	B45, B44	(F-3)
Baker, Judy	36	???	+	+	+	+	+	+	+	+	+			49	???	+	+	+	+	+	+	+	B82, CW10	(L-3)
Berka, Noured	66	100	+	+	+	+	+	+	+	+	+	B48		70	100	+		+	+	+	+	+	B13, B44, B45	(L-3)
Burger, Joe	18	100	+	+	+	+	+	+	+	+	+	B60, B61		35	100	+	+	+	+	+	+	+	B82, B61	(L-3)
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	CW10, CW9	(L-3)
Cecka, J. Mich	51	100	+	+	+	+	+	+	+	+	+			49	100	+	+	+	+	+	+	+	B54, B56, B82	(L-3)
Choo, Yoon MD	53	100	+	+	+	+	+					B61, B60		65	100	+	+	+	+		+	+	B61	(L-3)
Cohen, JHM Pr	51	???	+	+	+	+			+	+	+	B22		58	???	+	+	+	+	+	+	+		(L-3)
Dunn, Paul Dr	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	CW10, CW9	(L-3)
Eckels/CPMC,	81	???		+	+						+	6602, B14, B17>		96	???		+	+					6602, B12, B13>	(LF-3)
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	CW10, CW9	(L-3)
Esteves-Kond	90	100	+	+	+		+	+		+	+	B48, B60, B61		79	100	+	+		+		+	+	B13, B54, B56>	(F-3)
Gautreaux, Mi	72	???	+	+	+	+	+	+	+	+	+			56	???	+	+	+	+		+	+	B82, B56	(L-3)
Hamdi, Nuha D	51	100		+	+				+			CW1, A3, CW7, B61		49	100	+	+		+	+		+	A1, CW15, CW1>	(L-3)
Han, Hoon Dr	40	???	+	+	+		+	+		+	+	A24		45	???	+	+	+		+	+		A24, B61	(L-3)
Hogan, Patric	19	???	+	+	+	+	+	+	+	+	+	B60, B61		35	???	+	+	+	+			+	CX12, CW8, CW10>	(L-3)
Israel, Shosh	64	???	+	+	+	+	+	+	+	+	+	6601, A68, A69		56	???	+	+	+			+	+	6602, A26, A69>	(L-3)
Klein, Tirza	36	100	+	+	+	+	+	+	+	+	+	B60		58	100	+	+	+			+	+	B48, B56, B45>	(L-3)
Leech MD, Ste	???	???	+	+	+	+	+	+	+	+	+	B60		???	???	+	+	+	+		+	+	B82	(L-3)
MacCann, Eile	68	???	+	+	+	+	+	+	+	+	+	B60, B61		86	???	+	+	+	+		+	+	B82, B54, B56>	(L-3)
Mah, Helen	67	???	+	+	+	+	+	+	+	+	+			70	???	+	+	+	+	+	+	+	B82, B61	(L-3)
McAlack-Bala	43	100	+	+	+				+			B22, B60, B61		43	100	+	+	+	+	+	+	+		(L-3)
McCluskey, Ja	72	???	+	+		+	+	+	+	+	+	B60, B13		90	???	+	+	+		+	+	+	B13, B82, B48>	(L-3)
Meyer, Pieter	31	???	+	+	+	+	+	+	+	+	+			25	???	+	+	+	+	+	+	+	B65, B49, B54	(L-3)
Moore, S. Brea	24	???	+	+	+	+	+	+	+	+	+			34	???	+	+	+	+	+	+	+	CW10	(F-3)
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	B82, B48	(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	CX14, CW8	(L-3)
Permpikul &	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+		+	+	B61	(L-3)
Phelan, Donna	23	???							+	+	+	7CREG, B48, A66>		34	???							+	7CREG, B45, B76>	(L-3)
Pidwell, Dian	77	???	+	+	+		+	+		+	+	8101, 8201		71	???	+	+		+	+		+	CX17, 8101, CW8>	(F-3)
Rees, Tracey	???	???	+	+	+	+	+	+	+	+	+	2708		???	???	+	+	+	+	+	+	+	2708, B82	(L-3)
Rosen-BronGT	63	100	+	+	+	+	+	+	+	+	+	B48, B57		60	100	+	+	+	+	+	+	+	B54, B56, B61	(F-3)
Rosen-BronMS	65	???	+	+	+	+	+	+	+	+	+	8201		75	???	+	+	+	+	+	+	+	CW10, CW9	(LF-3)
Sage, Deborah	68	???	+	+	+		+	+		+	+	B60, B61, B48		90	???	+	+	+	+		+	+	1302, B56, B61>	(L-3)
Sinnott & Gu	???	???	+	+		+				+	+	A26, A66, B60>		???	???	+	+	+		+	+	+	6602, B82, B61>	(L-3)
Smith/MI,	51	???	+	+	+	+	+	+	+	+	+			64	???	+	+	+	+	+	+	+	CW10, CW9	(L-3)
Suciu-Foca, N	???	8	+	+	+	+	+	+	+	+	+			???	8	+	+	+	+	+	+	+	CW10, CW9	(L-3)
Tagliere, Jac	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+		+	+	CW3, CW8, CX14	(L-3)
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	+			???	???	+	+	+	+	+	+	+	B61, B82	(L-3)

(3) - L-Luminex, F-Flow

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

\*\*\* 41 TYPING LABS \*\*\*

B7	93%	1.000
B42	93%	1.000
B27	85%	1.000
B55	83%	1.000
B81	83%	1.000
B56	80%	1.000
B54	71%	1.000
B67	71%	1.000
B82	71%	1.000
B73	51%	1.000
B60	29%	1.000
B61	24%	1.000
B48	17%	1.000
B22	7%	1.000
2708	5%	1.000
8201	5%	1.000
A66	5%	1.000
B8	5%	1.000
B57	5%	1.000
B63	5%	1.000

\*\*\* 41 TYPING LABS \*\*\*

B7	95%	1.000
B42	90%	0.939
B81	83%	1.000
B27	78%	1.000
B73	73%	1.000
B46	56%	0.958
B67	51%	1.000
B55	49%	1.000
B60	41%	1.000
CW7	39%	1.000
B82	32%	1.000
CW10	32%	1.000
B61	24%	1.000
CW9	22%	1.000
B56	20%	1.000
B45	15%	1.000
B48	15%	1.000
B54	15%	0.857
CW8	12%	1.000
6602	10%	1.000
B13	10%	1.000
B44	10%	1.000
CW1	10%	0.923
CX14	7%	1.000
2708	5%	1.000

\*\*\* 41 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Luminex/Flow



\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

	% POS 8'S		B B B B B B B B								% POS 8'S		B B B B B B B B B B								METHOD	
	7	8	7	2	4	5	5	6	8	2	7	2	7	5	4	1	7	6	6	4		
Baker, Judy	33	8	+	+	+	+	+				28	5	+	+							(4)	
Cecka, J. Mich	31	20	+	+	+	+			+		48	67	+	+	+	+			+	+	(4)	
Cooper, E. Sh	5	0	+								2	0	+								(4)	
Dunn, Dale Dr	13	20	+						+	B75	3	20	+							???	(4)	
Eckels/CPMC,	43	???	+	+	+	+	+		+	B40, B48, B57, B61	50	???	+	+	+	+	+			+	B12, B40, B44>	(4)
Hahn, Amy B.	43	100	+	+	+				+		79	25	+	+					+		B40, B22	(4)
Mah, Helen	14	100	+	+		+	+				11	50	+								B56	(4)
Smith/MI,	38	???	+	+	+	+	+			B73, B54	60	???	+	+	+	+	+	+	+	+		(4)
Suciu-Foca, N	14	38	+	+	+				+		16	33	+	+	+				+		B81	(4)

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

\*\*\* 9 TYPING LABS \*\*\*

B7	100%	0.923
B27	78%	0.900
B42	67%	1.000
B55	56%	1.000
B56	44%	0.800
B60	33%	0.800
B22	22%	1.000
B81	22%	1.000
B40	11%	1.000
B48	11%	1.000
B54	11%	1.000
B57	11%	1.000
B61	11%	1.000
B73	11%	1.000
B75	11%	1.000

\*\*\* 9 TYPING LABS \*\*\*

B7	78%	0.864
B42	67%	1.000
B27	56%	1.000
B46	33%	1.000
B55	33%	1.000
B13	33%	0.750
B40	22%	1.000
B48	22%	1.000
B73	22%	1.000
B60	22%	0.667
B61	22%	0.667
???	11%	1.000
B12	11%	1.000
B22	11%	1.000
B44	11%	1.000
B45	11%	1.000
B81	11%	1.000
B56	11%	0.500

\*\*\* 9 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Antiglobulin

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

	SERUM NO. 997										SERUM NO. 998										METHOD				
	%	%	B	B	B	B	B	B	B	B	%	%	B	B	B	B	B	B	B	B					
	POS	8'S	7	2	7	1	7	5	0	6	2	4	POS	8'S	1	7	2	7	5	7	6	0	4	3	
Cecka, J. Mich	36	67	+	+	+	+	+	+		+	+	+	20	0	+	+	+	+	+				+	(5)	
Esteves-Kond	37	100	+	+	+	+	+	+		+			23	0	+	+	+	+		+				(5)	
Hahn, Amy B.	11	???	+	+	+	+	+		+				7	???	+	+	+	+	+	+	+	+		B46	(5)
Klein, Jon MD	46	???	+	+	+	+	+	+	+	+	+	+	50	???	+	+	+	+	+	+	+	+	+	A80	(5)
McAlack, Robe	21	100	+	+	+	+	+		+				14	0	+	+	+	+	+	+	+	+		(5)	
Mpuntsha, Loy	39	100	+	+	+	+	+		+				20	100	+	+				+				B73	(5)
Sullivan, Kar	43	???	+	+	+			+	+	+			38	???	+	+	+	+	+		+			B61, B22, CW1	(5)

\*\*\*\*\* SERUM NO. 997 \*\*\*\*\* SERUM NO. 998 \*\*\*\*\*

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

B7	100%	1.000
B27	100%	1.000
B42	100%	1.000
B67	86%	1.000
B81	86%	1.000
B55	71%	1.000
B56	57%	1.000
B60	57%	0.857
B82	43%	1.000
B22	29%	1.000
B48	29%	1.000
B54	29%	1.000
A1	14%	1.000
B8	14%	1.000
B57	14%	1.000
B65	14%	1.000
B77	14%	1.000

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

B7	100%	1.000
B81	100%	1.000
B27	86%	0.846
B42	86%	0.833
B55	71%	0.857
B56	57%	1.000
B67	57%	1.000
B60	43%	0.833
B13	29%	1.000
B54	29%	0.500
A80	14%	1.000
B22	14%	1.000
B46	14%	1.000
B61	14%	1.000
B73	14%	1.000
CW1	14%	1.000

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

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Elisa



\*\*\* 54 TYPING LABS \*\*\*

B7	98%	0.911
B42	76%	0.974
B55	69%	0.959
B56	65%	1.000
B81	65%	1.000
B54	59%	1.000
B67	50%	1.000
B82	43%	1.000
B27	24%	0.938
B64	20%	1.000
2708	11%	1.000
B39	7%	1.000
B22	6%	1.000
B8	6%	0.750
8201	4%	1.000
B14	4%	1.000

\*\*\* 54 TYPING LABS \*\*\*

B7	96%	0.891
B42	78%	0.988
B55	76%	1.000
B56	72%	1.000
B27	69%	1.000
B54	57%	0.978
B81	54%	1.000
B67	41%	1.000
B82	41%	1.000
B57	37%	0.864
B63	33%	1.000
B58	24%	0.926
B22	15%	1.000
B8	13%	1.000
B37	13%	1.000
B17	9%	1.000
B41	9%	1.000
B73	9%	1.000
B13	7%	0.800
B18	6%	1.000
A1	4%	1.000
A2	4%	1.000
A23	4%	1.000
A24	4%	1.000
B38	4%	1.000
B39	4%	1.000
CX18	4%	1.000
A29	4%	0.885
CW7	4%	0.832

Methods:

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

\*\*\* 54 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO. 1000 \*\*\*\*\*

	% POS 8'S		B		B22,B42,B67		% POS 8'S		B		B55,B56,B57,B63,B67,B73	METHOD
	8	S	7	1			7	6	5	4		
Claas,F.H.J.	57	100	+	+			66	100	+			B17,B8,B22,B37,B63,B82 (1)
Dunckley,Hea	16	67	+				35	83	+	+	+	(1)
Esteves Kond	10	0	+		B76		23	50	+	+	+	(1)
Hogan,Patric	14	33	+				34	65	+	+		(1)
Pais,Maria L	2	???			???		20	63	+			(1)
Permpikul &	6	80	+				24	100	+	+	+	B57 (1)
Suciu-Foca,N	20	55	+	+	B27		27	33	+		+	(1)

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO.1000 \*\*\*\*\*  
 \*\*\* 7 TYPING LABS \*\*\*

B7	86%	0.807	B7	100%	0.802
B81	29%	1.000	B55	57%	1.000
???	14%	1.000	B56	57%	1.000
B22	14%	1.000	B42	43%	0.923
B27	14%	1.000	B54	43%	0.875
B42	14%	1.000	B27	29%	1.000
B67	14%	1.000	B81	29%	1.000
B76	14%	1.000	B8	14%	1.000
			B17	14%	1.000
			B22	14%	1.000
			B37	14%	1.000
			B63	14%	1.000
			B82	14%	1.000
			B57	14%	0.500

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

Method: NIH-std

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO. 1000 \*\*\*\*\*

	% POS 8'S		B		B27,B54,B67,B73		% POS 8'S		B		B57,B58,B63	METHOD
	8	S	7				7	6	5	5		
Dunn,Paul Dr	9	100	+				29	100	+	+	+	(2)
Lardy,N.M. D	11	86	+				39	100	+	+	+	(2)
Pidwell,Dian	11	50	+				26	75	+	+	+	(2)

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO.1000 \*\*\*\*\*  
 \*\*\* 3 TYPING LABS \*\*\*

B7	100%	0.917	B7	100%	1.000
			B55	100%	1.000
			B56	100%	1.000
			B27	33%	1.000
			B42	33%	1.000
			B54	33%	1.000
			B57	33%	1.000
			B58	33%	1.000
			B63	33%	1.000
			B67	33%	1.000
			B73	33%	1.000

\*\*\* 3 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: NIH-ext

		SERUM NO. 999										SERUM NO. 1000												
		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B			
%	%	7	5	6	4	2	1	2	7	4	7	7	2	5	7	6	4	1	2	7	3			
POS	8'S											POS	8'S											METHOD
Abbal, Michel	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	B57, B58, B59	(L-3)	
Al-Attas, Rab	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+		(L-3)	
Alvarez & Ca	20	100	+	+								35	100	+	+							B57, B8	(F-3)	
Baker, Judy	27	???	+	+	+	+	+	+	+	+	+	75	???	+	+	+	+	+	+	+	+		(L-3)	
Berka, Noured	36	100	+	+	+	+	+	+	+	+	+	100	100	+	+	+	+	+	+	+	+	B13, B58	(L-3)	
Burger, Joe	29	100	+	+	+	+	+	+	+	+	+	43	100	+	+	+	+	+	+	+	+	B58, B57	(L-3)	
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+		(L-3)	
Cecka, J. Mich	31	67	+	+	+	+	+	+	+	+	+	B39	74	100	+	+	+	+	+	+	+	B57	(L-3)	
Choo, Yoon MD	35	100	+	+	+	+	+	+	+	+	+	B39	78	100	+	+	+	+	+	+	+		(L-3)	
Cohen, JHM Pr	36	???	+	+	+	+	+	+	+	+	+	75	???	+	+							B22	(L-3)	
Dunn, Paul Dr	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	B8	(L-3)	
Eckels/CPMC,	63	???	+	+	+	+	+	+	+	+	+	97	???	+	+	+						A2, A29, A43, B14	(LF-3)	
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+		(L-3)	
Esteves-Kond	43	100	+	+	+	+	+	+	+	+	+	93	100	+	+	+	+	+	+	+	+	B73, B46, CW9>	(F-3)	
Gautreaux, Mi	42	???	+	+	+	+	+	+	+	+	+	B8	80	???	+	+	+	+	+	+	+	B57, B58	(L-3)	
Hamdi, Nuha D	35	100	+	+	+	+	+	+	+	+	+	CX18, A31, B39	78	100								CW8, CX18, B57>	(L-3)	
Han, Hoon Dr	31	???	+	+	+	+	+	+	+	+	+	38	???	+	+	+						A24, B57	(L-3)	
Hogan, Patric	NT											42	???	+	+	+	+	+	+	+	+	B58	(L-3)	
Israel, Shosh	34	???	+	+	+	+	+	+	+	+	+	74	???	+	+	+	+	+	+	+	+	B58	(L-3)	
Klein, Tirza	32	100	+	+	+	+	+	+	+	+	+	82	100	+	+	+	+	+	+	+	+	B45, B57, B58	(L-3)	
Leech MD, Ste	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+						B8, B18, B37, B22	(L-3)	
MacCann, Eile	40	???	+	+	+	+	+	+	+	+	+	B73, B8	98	???	+	+	+	+	+	+	+	A1, A3	(L-3)	
Mah, Helen	51	???	+	+	+	+	+	+	+	+	+	B39	97	???	+	+	+	+	+	+	+	B37	(L-3)	
McAlack-Bala	33	100	+	+	+	+	+	+	+	+	+	76	100	+	+	+						B22, B57, B8	(L-3)	
McCluskey, Ja	56	???	+	+	+							B13, B48, B73	100	???	+	+	+	+	+	+	+		(L-3)	
Meyer, Pieter	24	???	+	+	+	+	+	+	+	+	+	69	???	+	+	+	+	+	+	+	+	B57, A23, A24	(L-3)	
Moore, S. Brea	15	???	+	+	+	+	+	+	+	+	+	54	???	+	+	+	+	+	+	+	+		(F-3)	
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+	+	2708	???	???	+	+	+	+	+	+	+		(L-3)	
Pereira, Noem	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	B37	(L-3)	
Permpikul &	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	A24, A23, B58	(L-3)	
Phelan, Donna	12	???										7CREG, B8, B14>	48	???								+	7CREG, B17, B8>	(L-3)
Pidwell, Dian	31	???	+	+	+	+	+					8101, 8201	97	???	+	+	+					+	8201, B57, 8101>	(F-3)
Rees, Tracey	???	???	+	+	+	+	+	+	+	+	+	2708	???	???	+	+	+	+	+	+	+	+	2708, B57	(L-3)
Rosen-BronGT	28	100	+	+	+	+	+	+	+	+	+	B59, 8201	81	100	+	+	+	+	+	+	+		B57, B58	(F-3)
Rosen-BronMS	33	???	+	+	+	+	+	+	+	+	+	2708, 8201	93	???	+	+	+	+	+	+	+	+	8201	(LF-3)
Sage, Deborah	76	???	+	+	+	+	+	+	+	+	+	2708, B78	96	???	+							+	5102, B8, B38>	(L-3)
Sinnott & Gu	???	???	+	+	+	+	+	+	+	+	+	2708, B39, B8	???	???	+	+	+					+	A2, A29, A43, B73>	(L-3)
Smith/MI,	35	???	+	+	+	+	+	+	+	+	+	2708	78	???	+	+	+	+	+	+	+	+		(L-3)
Suciu-Foca, N	???	8	+	+	+	+	+	+	+	+	+	???	8	+	+	+	+	+	+	+	+	+		(L-3)
Tagliere, Jac	???	???	+	+	+	+	+	+	+	+	+	B14	???	???	+	+	+	+	+	+	+	+	B37	(L-3)
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	+	???	???	+	+	+	+	+	+	+	+	+	B73	(L-3)

(3) - L-Luminex, F-Flow

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO.1000 \*\*\*\*\*

\*\*\* 40 TYPING LABS \*\*\*

B7	98%	1.000
B55	98%	1.000
B42	95%	1.000
B54	95%	1.000
B56	95%	1.000
B81	88%	1.000
B67	75%	1.000
B82	75%	1.000
B64	40%	0.941
B27	30%	1.000
2708	20%	1.000
B39	13%	0.875
B8	10%	0.778
8201	8%	1.000
B14	8%	1.000
B59	5%	1.000
B73	5%	1.000
B78	5%	1.000

\*\*\* 41 TYPING LABS \*\*\*

B7	93%	1.000
B42	85%	1.000
B27	83%	1.000
B55	83%	1.000
B56	78%	1.000
B54	71%	1.000
B81	68%	1.000
B67	63%	1.000
B82	63%	1.000
B63	39%	1.000
B57	34%	0.950
B58	24%	0.857
B8	15%	1.000
B18	10%	1.000
B22	10%	1.000
B37	10%	1.000
A24	7%	1.000
B73	7%	1.000
A23	7%	0.889
A29	7%	0.889
8201	5%	1.000
A2	5%	1.000
A43	5%	1.000
B14	5%	1.000
B16	5%	1.000
B17	5%	1.000
B41	5%	1.000
B46	5%	1.000
B59	5%	1.000
CX18	5%	1.000
CW7	5%	0.832

\*\*\* 41 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Luminex/Flow

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO. 1000 \*\*\*\*\*

	B B B B				B B B B B B B B				METHOD											
	%	%	B	B	B	B	B	B		B	B									
	POS	8'S	7	2	6	5	1	POS	8'S	7	7	2	7	6	5	8	4	7	1	
Baker, Judy	21	5	+	+				42	8	+	+	+	+	+	+	+				(4)
Cecka, J. Mich	23	33	+	+	+	+		57	100	+	+	+	+	+	+	+				B41, B63 (4)
Cooper, E. Sh	7	0	+	+				36	0	+	+	+	+	+	+					B13 (4)
Dunn, Dale Dr	8	20	+				B75	27	80	+		+	+	+						B75 (4)
Eckels/CPMC,	27	???	+	+	+	+	B64	53	???	+										B16, B18, B21> (4)
Hahn, Amy B.	28	83	+	+			B22	59	100	+	+	+								B13, B22, B73> (4)
Mah, Helen	13	100	+		+	+		32	100	+	+	+	+	+	+					(4)
Smith/MI,	24	???	+	+	+	+		47	???	+	+	+	+	+	+	+				B63, B8 (4)
Suciu-Foca, N	14	25	+	+			B27, B46	29	25	+	+	+								B22 (4)

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO. 1000 \*\*\*\*\*

\*\*\* 9 TYPING LABS \*\*\*

B7	100%	0.885
B42	78%	0.905
B56	44%	0.800
B55	44%	0.714
B81	22%	1.000
B22	11%	1.000
B27	11%	1.000
B46	11%	1.000
B64	11%	1.000
B75	11%	1.000

\*\*\* 9 TYPING LABS \*\*\*

B27	89%	1.000
B7	89%	0.960
B42	78%	1.000
B55	67%	1.000
B56	67%	1.000
B57	67%	0.864
B54	44%	1.000
B58	44%	1.000
B17	33%	1.000
B22	22%	1.000
B41	22%	1.000
B63	22%	1.000
B81	22%	1.000
B13	22%	0.714
B8	11%	1.000
B16	11%	1.000
B18	11%	1.000
B21	11%	1.000
B35	11%	1.000
B37	11%	1.000
B38	11%	1.000
B39	11%	1.000
B73	11%	1.000
B75	11%	1.000
B15	11%	0.636

\*\*\* 9 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Antiglobulin



\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO. 1000 \*\*\*\*\*

	SERUM NO. 999								SERUM NO. 1000											METHOD				
	%	%	B	B	B	B	B	B	%	%	B	B	B	B	B	B	B	B	B					
	POS	8'S	7	2	1	7	5	6	4	7	POS	8'S	7	2	7	1	6	5	4	7	3	1		
Cecka, J. Mich	30	100	+	+	+	+	+	+	+		B82	71	100	+	+	+	+	+	+	+		+	B57, B58	(5)
Esteves-Kond	28	67	+	+	+	+	+	+	+			58	67	+	+	+	+	+	+	+				(5)
Hahn, Amy B.	9	???	+	+	+					+	B22, B50	23	???	+	+	+	+	+	+	+		+	B17	(5)
Klein, Jon MD	38	???	+	+		+	+	+	+		A29	80	???	+	+		+	+	+	+		+	B13, B60	(5)
McAlack, Robe	10	100	+	+	+	+	+	+	+			28	100	+	+	+	+			+	+		B17, B22	(5)
Mpuntsha, Loy	29	100	+	+	+	+	+					52	100	+	+		+	+	+		+		B57, B58	(5)
Sullivan, Kar	23	???	+	+	+		+	+				65	???	+	+	+						+	A1, A2, A33, CW7>	(5)

\*\*\*\*\* SERUM NO. 999 \*\*\*\*\* SERUM NO. 1000 \*\*\*\*\*

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

B7	100%	1.000
B42	100%	1.000
B55	86%	1.000
B67	86%	1.000
B81	86%	1.000
B56	71%	1.000
B54	57%	0.857
B27	29%	0.667
A29	14%	1.000
B22	14%	1.000
B50	14%	1.000
B82	14%	1.000

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

B7	100%	1.000
B42	100%	1.000
B27	86%	1.000
B54	71%	1.000
B55	71%	1.000
B56	71%	1.000
B81	71%	1.000
B67	57%	1.000
B63	43%	1.000
B41	43%	0.800
B17	29%	1.000
B22	29%	1.000
B57	29%	1.000
B58	29%	1.000
A1	14%	1.000
A2	14%	1.000
A33	14%	1.000
B8	14%	1.000
B13	14%	1.000
B60	14%	1.000
CW7	14%	1.000

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

\*\*\*\*\* NEXT SHIPMENT: OCT 7 2009 \*\*\*\*\*

Method: Elisa

INVESTIGATOR	DNA EXTRACT #457 (Caucasian)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
5488 Adams, Sharon	*24020102L	*310102	*440201/19N	*550101	*010201	*020202	RSSO, SSP, SBT
8062 Al-Attas, Rab	*24	*31	*44	*55	*01	*02	RVSSO, SSP
2300 Allegheny Ge	*24	*31	*44	*55	*01	*02	SSO
745 Anthony Nola	*24020102L	*310102	*44020101	*550101	*010201	*020202	SSO, SSP, SBT
5133 Baker, Judy	*240201	*310102	*440201	*550101	*0102	*020202	SSP, SBT
105 Ball, Edward	*2402L	*3101/22-24	*4402/63	*55	*01	*02	PCR-SSP
2020 Barnardo, Mar	*24020102L	*310102	*44020101	*550101	*010201/0202+	*020202// *0227	PCR-SSP, SBT
4345 Blasczyk, Rai	*2402/02L/09N/11N+	*3101/14N	*4402/02S/19N/27	*5501	*0102	*0202	PCR-SBT
5106 Brown, Colin	*24	*31	*44	*55	*01	*02	P-RVSSOP, SBT
785 Chan, Soh Ha	*24	*3101/05/14N	*4402/19N/27	*5501	*0102	*0202	SBT
3224 Chen, Dongfen	*24020102L	*310102	*4402/19N	*5501	*0102	*0202	SBT, RVSSOP
8021 Clark, Brenda	*2402/03/07+	*3101/02/05-07+	*4402/11/19N+	*550101-0103/02+	*0102/03/06+	*0202/04-15+	PCR-SSP
5219 Daniel, Dolly	*24	*31	*44	*55			
1108 Davis, Mary	*2402	*3101	*4402	*5501	*0102	*0202	SSO
5323 Dhaliwal, J.	*24	*31	*44	*55	*01	*02	
5891 Du, Keming	*2402	*3101	*4402/09N	*5501	*0102	*0202	PCR-SBT
3186 Dunckley, Hea	*24	*31	*44	*55	*01	*02	SSP
3766 Dunn, Paul	*2402L	*31	*44	*55	*01	*02	PCR-SSP, SSO
3428 Eckels/Utah	*2402L	*3101/14N/19/23	*4402/02S/27/63	*5501/33			
4251 Ellis, Thomas	*24020102L	*3101	*4402/19N	*5501	*0102	*0202	PCR-SSO, SEQ
762 Fischer&Mayr	*2402L	*3101/14N/23	*4402/27/66	*5501	*0102/25	*0202	RSSO, SSP, SBT
3135 Fischer, John	*2402L	*3101	*4402/02S/19N	*5501	*0102	*0202	PCR-SSO, SBT
4691 Hajeer, Ali	*24	*31	*44	*55	*01	*02	SSO
810 Hamdi, Nuha	*24020102L	*310102	*44020101	*550101	*010201	*020202	SSO
5803 Henrico's Do	*24		*44	*55	*01	*02	SSP
1461 Hidajat, Mela	*2402	*3101	*4402	*5501	*0102	*0202	SSO, SSP
615 Holdsworth, R	*2402L	*3101/14N/23	*4402/19N/27/66	*5501	*0102/25	*0202	SBT
2344 Hurley&Hartz	*24020101/020102L+	*310102/14N/23	*44020101/020102S+	*550101/0103	*010201/0202+	*020202	SBT, SSOP
797 Kato, Shunich	*2402L	*3101	*4402/02S/19N	*5501	*0102	*0202	SSO, SBT
2847 Kihara, Masaa	*24	*31	*44	*55	*01	*02	RVSSO
87 Land, Geoff	*2402	*3101	*4402	*5501	*0102	*0202	SBT, SSP, SSO
278 Lee, Jar-How	*24020102L	*3101	*4402	*5501	*0102	*0202	SSP, RVSSOP
640 Lee, Kyung Wh	*24020102L	*310102	*4402	*5501	*0102	*0202	PCR-SBT
9916 McIntyre, Joh	*24020102L	*310102	*44020101	*550101	*0102/06/25-27	*0202	SSP, SBT
8042 Muncher, Lior	*24	*31	*44	*55	*01	*02	SSOP, SSP
733 Mytilineos, J	*24	*31	*44	*55	*01	*02	
8022 Olerup, Olle	*2402	*3101	*4402	*5501	*0102	*0202	SSP
5096 Park, Yun Mi	*24	*31	*44	*55			PCR-SSO
3648 Pereira, Noem	*2402L	*3101	*4402/02S/19N	*5501	*0102	*0202	RSSO, SSP, SBT
3966 Permpikul&Ve	*24	*31	*44	*55	*01	*0202	PCR-SSP
2400 Phelan, Donna	*2402	*3101	*4402/19N	*5501	*0102	*0202	RSSO, SSP, SBT
3753 Reed, Elaine	*2402/03	*3101/05	*4402/19N	*5501	*0102	*0202	SBT, RVSSO
3625 Rees, Tracey	NT						
3798 Reinsmoen, N	*24020102L	*310102	*440201/0201S/19N	*550101	*010201	*020202	SSP, RSSO, SBT
1694 Sauer&Gottwa	*24	*31	*44	*55	*01	*02	SSP
3545 Scornik, Juan	*2402L	*3101	*4402/19N	*5501	*0102	*0202	RVSSOP, SBT
735 Smith/MI	*2402L	*3101	*4402/19N	*5501	*0102	*0202	
13 Tagliere, Jac	*24020102L	*3101	*4402	*5501	*0102	*0202	SSP
4021 Trachtenberg	*24	*31	*44	*55	*01	*02	RVSSO
5462 Turner, E.V.	*24020101/020102L	*3101	*4402	*5501	*0102	*0202	SBT, SSO, SSP

INVESTIGATOR	DNA EXTRACT #458 (Caucasian)								method
CTR	NAME	A1	A2	B1	B2	C1	C2		
5488	Adams, Sharon	*020101	*030101	*1571	*4001	*030301/20N	*030401	RSSO, SSP, SBT	
8062	Al-Attas, Rab	*02	*03	*15	*40	*03		RVSSO, SSP	
2300	Allegheny Ge	*02	*03	*15	*40	*03		SSO	
745	Anthony Nola	*020101	*030101	*1571	*4001	*030301	*030401	SSO, SSP, SBT	
5133	Baker, Judy	*020101	*030101	*1571	*4001	*030301/20N	*0304	SSP, SBT	
105	Ball, Edward	*0201/*9247/50/51+	*0301/44-46	*1571	*4001/79/81/84+	*0303/50	*0304/47/48	PCR-SSP	
2020	Barnardo, Mar	*020101	*03010101	*1571	*400102	*030301	*030401/0403	PCR-SSP, SBT	
4345	Blasczyk, Rai	*0201/01L/09N/43N+	*0301/01N/04/20+	*1571	*4001/55	*0303/20N	*0304	PCR-SBT	
5106	Brown, Colin	*0201	*0301	*1571	*4001	*0303	*0304	P-RVSSOP, SBT	
785	Chan, Soh Ha	*02	*03	*1571	*4001/55	*0303/20N	*0304	SBT	
3224	Chen, Dongfen	*0201	*0301	*1571	*4001	*0303	*0304	SBT, RVSSOP	
8021	Clark, Brenda	*020101-0104/0106+	*0301-04/07+	*150101-0104/0106+	*400101-0105/07+	*0303/11-13+	*0302/0401+	PCR-SSP	
5219	Daniel, Dolly	*02	*03	*15	*40				
1108	Davis, Mary	*0201	*0301	*1501	*4001	*0303	*0304	SSO	
5323	Dhaliwal, J.	*02	*03	*15	*40	*03	*03		
5891	Du, Keming	*0201	*0301	*1571	*4001	*0303	*0304	PCR-SBT	
3186	Dunckley, Hea	*02	*03	*1571	*4001/55	*0303/11-13+	*0304-06/08-10+	SSP, SBT-B	
3766	Dunn, Paul	*02	*03	*15	*40	*03		PCR-SSP, SSO	
3428	Eckels/Utah	*02	*03	*1571	*40				
4251	Ellis, Thomas	*0201	*0301	*1571	*4001	*0303/20N	*0304	PCR-SSO, SEQ	
762	Fischer&Mayr	*0201	*0301	*1571	*4001/55	*0303	*0304	RSSO, SSP, SBT	
3135	Fischer, John	*0201/01L	*0301	*1571	*4001	*0303/20N	*0304	PCR-SSO, SBT	
4691	Hajeer, Ali	*02	*03	*15	*40	*03	*03	SSO	
810	Hamdi, Nuha	*02010101	*03010101	*1533	*400101	*030301	*0309	SSO	
5803	Henrico's Do	*02	*03	*15(B62)	*40(B60)	*03	*03	SSP	
1461	Hidajat, Mela	*0201	*0301	*1571	*4001	*0303	*0304	SSO, SSP	
615	Holdsworth, R	*0201/01L/09/43N+	*0301/01N/20/21N+	*1571	*4001/55	*0303/20N	*0304	SBT	
2344	Hurley&Hartz	*02010101/010102L+	*03010101/010102N+	*1571	*4001/0102/55	*030301/20N	*030401/0403	SBT, SSOP	
797	Kato, Shunich	*0201/01L/24+	*0301/01N/07+	*1571	*4001	*0303/20N	*0304	SSO, SBT	
2847	Kihara, Masaa	*02	*03	*15	*40	*03	*03	RVSSO	
87	Land, Geoff	*0201	*0301	*1571	*4001	*0303	*0304	SBT, SSP, SSO	
278	Lee, Jar-How	*0201	*0301	*1571	*4001	*0303	*0304	SSP, RVSSOP	
640	Lee, Kyung Wh	*0201/24/34/90	*0301/07-09/17	*1571	*4001	*0303/20N	*0304	PCR-SBT	
9916	McIntyre, Joh	*020101	*030101	*1571	*4001	*0303/50	*0304/47/48/57	SSP, SBT	
8042	Muncher, Lior	*0201	*0301	*1571	*4001	*0303	*0304	SSOP, SSP	
733	Mytilineos, J	*02	*03	*15	*40	*03			
8022	Olerup, Olle	*0201	*0301	*1571	*4001	*0303	*0304	SSP	
5096	Park, Yun Mi	*02	*03	*15	*40			PCR-SSO	
3648	Pereira, Noem	*0201	*0301	*1571	*4001	*0303/20N	*0304	RSSO, SSP, SBT	
3966	Permpikul&Ve	*0201	*03	*1501	*40	*0303	*0304	PCR-SSP	
2400	Phelan, Donna	*0201	*0301	*1571	*4001	*0303	*0304	RSSO, SSP, SBT	
3753	Reed, Elaine	*0201/24/26/34/90	*0301/07-09/17	*1571	*4001	*0303/20N	*0304	SBT, RVSSO	
3625	Rees, Tracey	*02	*03	*15(B62)	*40(B60)	*03(Cw9)	*03(Cw10)		
3798	Reinsmoen, N	*020101/01L	*030101/01N	*1571	*4001	*030301/20N	*030401	SSP, RSSO, SBT	
1694	Sauer&Gottwa	*02	*03	*15	*40	*03		SSP	
3545	Scornik, Juan	*0201	*0301	*1571	*4001	*0303/20N	*0304	RVSSOP, SBT	
735	Smith/MI	*0201/24/26	*0301/07/17	*1571	*4001	*0303/20N	*0304		
13	Tagliere, Jac	*0201	*0301	*1571	*4001	*0303	*0304	SSP	
4021	Trachtenberg	*02	*03	*1571	*40	*03		RVSSO	
5462	Turner, E.V.	*0201	*0301	*1571	*4001	*0303	*0304	SBT, SSO, SSP	

INVESTIGATOR		DNA EXTRACT #459							method
CTR	NAME	A1	A2	B1	B2	C1	C2		
5488	Adams, Sharon	*260101	*320101	*2708	*4501	*060201			RSSO, SSP, SBT
8062	Al-Attas, Rab	*26	*32	*27	*45	*06			RVSSO, SSP
2300	Allegheny Ge	*26	*32	*27	*45	*06			SSO
745	Anthony Nola	*260101	*320101	*2708	*4501	*060201			SSO, SSP, SBT
5133	Baker, Judy	*260101	*320101	*2708	*4501	*0602	*07		SSP, SBT
105	Ball, Edward	*2601/36/37	*32	*2708	*4501	*0602/18/19			PCR-SSP
2020	Barnardo, Mar	*260101	*320101	*2708	*4501	*0602			PCR-SSP, SBT
4345	Blasczyk, Rai	*2601/24/26	*3201	*2708	*4501/07	*0602			PCR-SBT
5106	Brown, Colin	*26	*32	*2708	*4501/07	*06			P-RVSSOP, SBT
785	Chan, Soh Ha	*2601/24/26	*3201/12	*2708	*4501/07	*0602			SBT
3224	Chen, Dongfen	*2601	*3201	*2708	*4501	*0602			SBT, RVSSOP
8021	Clark, Brenda	*260101/0103-02+	*3201/03/04/06+	*2701/02/05+	*4501/03/05+	*0602-07/09/10+			PCR-SSP
5219	Daniel, Dolly	*26	*32	*27	*45				
1108	Davis, Mary	*2601	*3201	*2708	*4501	*0602/15/16N	*0602/15/16N		SSO
5323	Dhaliwal, J.	*26	*32	*27	*45	*06			
5891	Du, Keming	*2601	*3201	*2708	*4501	*0602	*0602		PCR-SBT
3186	Dunckley, Hea	*26	*32	*27	*45	*06			SSP
3766	Dunn, Paul	*26	*32	*2708/42/44	*4501/03/07	*06			PCR-SSP, SSO
3428	Eckels/Utah	*2601/24/26/37	*3201/08/12/16/18	*2708/42/44	*4501/07				
4251	Ellis, Thomas	*2601	*3201	*2708	*4501	*0602	*0602		PCR-SSO, SEQ
762	Fischer&Mayr	*2601/24/26	*3201	*2708	*4501/07	*0602			RSSO, SSP, SBT
3135	Fischer, John	*2601	*3201	*2708	*4501	*0602			PCR-SSO, SBT
4691	Hajeer, Ali	*26	*32	*27	*45	*06	*06		SSO
810	Hamdi, Nuha	*260101	*320101	*2708	*4501	*06020101	*0607		SSO
5803	Henrico's Do	*26	*32	*2708	*45	*06			SSP
1461	Hidajat, Mela	*2601	*3201	*2708	*4501	*0602	*0602		SSO, SSP
615	Holdsworth, R	*2601/24/26	*3201	*2708	*4501/07	*0602			SBT
2344	Hurley&Hartz	*260101/0107/24/26	*320101/0102	*2708	*4501/07	*06020101+	*06020101+		SBT, SSOP
797	Kato, Shunich	*2601	*3201	*2708	*4501	*0602			SSO, SBT
2847	Kihara, Masaa	*26	*32	*27	*45	*06			RVSSO
87	Land, Geoff	*2601	*3201	*2708	*4501	*0602	*0602		SBT, SSP, SSO
278	Lee, Jar-How	*2601	*3201	*2708	*4501	*0602			SSP, RVSSOP
640	Lee, Kyung Wh	*2601	*3201	*2708	*4501	*0602			PCR-SBT
9916	McIntyre, Joh	*260101	*320101	*2708	*4501	*0602/18-20/22	*0602/18-20/22		SSP, SBT
8042	Muncher, Lior	*26	*32	*27	*45	*06			SSOP, SSP
733	Mytilineos, J	*26	*32	*27	*45	*06			
8022	Olerup, Olle	*2601	*3201	*2708	*4501	*0602			SSP
5096	Park, Yun Mi	*26	*32	*27	*45				PCR-SSO
3648	Pereira, Noem	*2601	*3201	*2708	*4501	*0602			RSSO, SSP, SBT
3966	Permpikul&Ve	*26	*32	*27	*45	*06			PCR-SSP
2400	Phelan, Donna	*2601	*3201	*2708	*4501	*0602			RSSO, SSP, SBT
3753	Reed, Elaine	*2601	*3201	*2708	*4501	*0602	*0602		SBT, RVSSO
3625	Rees, Tracey	*26	*32	*27	*45				
3798	Reinsmoen, N	*260101	*320101	*2708	*4501	*0602			SSP, RSSO, SBT
1694	Sauer&Gottwa	*26	*32	*27	*45	*06			SSP
3545	Scornik, Juan	*2601	*3201	*2708	*4501	*0602			RVSSOP, SBT
735	Smith/MI	*2601	*3201	*2708	*4501	*0602			
13	Tagliere, Jac	*2601	*3201	*2708	*4501	*0602			SSP
4021	Trachtenberg	*26	*32	*27	*45	*06			RVSSO
5462	Turner, E.V.	*2601	*3201	*2708	*4501	*0602			SBT, SSO, SSP

INVESTIGATOR	DNA EXTRACT #460 (Hispanic)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
5488 Adams, Sharon	*0201	*2402	*150101/39	*1540/*9517	*030301/20N	*030401	RSSO, SSP, SBT
8062 Al-Attas, Rab	*02	*24	*15		*03		RVSSO, SSP
2300 Allegheny Ge	*02	*24	*15		*03		SSO
745 Anthony Nola	*0201	*2402	*1501/39	*1540/*9517	*030301	*030401	SSO, SSP, SBT
5133 Baker, Judy	*020101	*240201	*150101	*1540	*030301/20N	*0304	SSP, SBT
105 Ball, Edward	*0201/*9218/47/50+	*2402/71/90N/95-97	*1501	*1540	*0303/50	*0304/47/48	PCR-SSP
2020 Barnardo, Mar	*020101	*24020101	*15010101/**1539	*1540/**9517	*030301	*030401/0403	PCR-SSP, SBT
4345 Blasczyk, Rai	*0201/01L/09/43N+	*2402/02L/09N/11N+	*1501/01N/39+	*1540/*9517	*0303/20N	*0304	PCR-SBT
5106 Brown, Colin	*0201	*2402	*1501	*1540	*0303	*0304	P-RVSSOP, SBT
785 Chan, Soh Ha	*02	*24	*1501/*9502/04/40+	*1540/*9538	*0303/20N	*0304	SBT
3224 Chen, Dongfen	*0201	*2402	*1501/39	*1540/*9517	*0303	*0304	SBT, RVSSOP
8021 Clark, Brenda	*020101-0104/0106+	*2402/03/07+	*150101-0104/0106-0108/04-08+		*0303/11-13+	*0302/0401+	PCR-SSP
5219 Daniel, Dolly	*02	*24	*15				
1108 Davis, Mary	*0201	*2402	*1501	*1540	*0303	*0304	SSO
5323 Dhaliwal, J.	*02	*24	*15		*03	*03	
5891 Du, Keming	*0201/04	*2402/52	*1501	*1540	*0303/04	*0304/20N	PCR-SBT
3186 Dunckley, Hea	*02	*24	*1501/39/*9502/04+	*1540/*9517	*0303/11-13+	*0304-06/08-10+	SSP, SBT-B
3766 Dunn, Paul	*02	*24	*15	*1540/*9517	*03		PCR-SSP, SSO
3428 Eckels/Utah	*02	*24	*15	*1540/*9517			
4251 Ellis, Thomas	*0201	*2402	*1501/39	*1540/*9517	*0303/20N	*0304	PCR-SSO, SEQ
762 Fischer&Mayr	*0201	*2402/09N/11N/40N+	*1501/*9502/04/40+	*1540	*0303	*0304	RSSO, SSP, SBT
3135 Fischer, John	*0201/01L	*2402/33	*1501/79N	*1540	*0303/20N	*0304	PCR-SSO, SBT
4691 Hajeer, Ali	*02	*24	*15	*15	*03	*03	SSO
810 Hamdi, Nuha	*02010101	*24020101	*15010101	*1540	*030301	*0309	SSO
5803 Henrico's Do	*02	*24	*15(B62)		*03	*03	SSP
1461 Hidajat, Mela	*0201	*2402	*1501	*1540	*0303	*0304	SSO, SSP
615 Holdsworth, R	*0201/01L/09/43N+	*2402/09N/11N/40N+	*1501/01N/*9502+	*1540	*0303/20N	*0304	SBT
2344 Hurley&Hartz	*02010101/010102L+	*24020101/020102L+	*15010101/010102N+	*1540	*030301/20N	*030401/0403	SBT, SSOP
797 Kato, Shunich	*0201/01L/04+	*2402/03/13+	*1501/01N/39	*1540/*9517	*0303/20N	*0304	SSO, SBT
2847 Kihara, Masaa	*02	*24	*15	*15	*03	*03	RVSSO
87 Land, Geoff	*0201	*2402	*1501	*1540	*0303	*0304	SBT, SSP, SSO
278 Lee, Jar-How	*0201	*2402	*1501	*1540	*0303	*0304	SSP, RVSSOP
640 Lee, Kyung Wh	*0201/04/12/36/70+	*2402/03/13/14/28+	*1501/39	*1540/*9517	*0303/20N	*0304	PCR-SBT
9916 McIntyre, Joh	*020101	*24020101	*15010101/**1539	*1540/**9517	*0303/50	*0304/47/48/57	SSP, SBT
8042 Muncher, Lior	*0201	*2402	*1501/**1540	*1540/**1575	*0303	*0304	SSOP, SSP
733 Mytilineos, J	*02	*24	*15	*15	*03		
8022 Olerup, Olle	*0201	*2402	*15	*15	*0303	*0304	SSP
5096 Park, Yun Mi	*02	*24	*15	*15			PCR-SSO
3648 Pereira, Noem	*0201/01L	*2402	*1501	*1540	*0303/20N	*0304	RSSO, SSP, SBT
3966 Permpikul&Ve	*0201	*24	*15		*0303	*0304	PCR-SSP
2400 Phelan, Donna	*0201	*2402	*1501	*1540	*0303	*0304	RSSO, SSP, SBT
3753 Reed, Elaine	*0201/04/12/36/58+	*2402/03/13/44/28+	*1501/39	*1540/*9517	*0303/20N	*0304	SBT, RVSSO
3625 Rees, Tracey	*02	*24	*15(B62)		*03(Cw9)	*03(Cw10)	
3798 Reinsmoen, N	*020101/01L	*240201/01L	*150101/01N	*1540	*030301/20N	*030401	SSP, RSSO, SBT
1694 Sauer&Gottwa	*02	*24	*15		*03		SSP
3545 Scornik, Juan	*0201	*2402	*1501	*1540	*0303/20N	*0304	RVSSOP, SBT
735 Smith/MI	*0201	*2402	*1501	*1540	*0303/20N	*0304	
13 Tagliere, Jac	*0201/*9218	*2402	*1501	*1540	*0303	*0304	SSP
4021 Trachtenberg	*02	*24	*15		*03		RVSSO
5462 Turner, E.V.	*0201	*2402	*1501	*1540	*0303	*0304	SBT, SSO, SSP

## SUMMARY

<u>Extract 457 (Caucasian)</u>	
<u>49 labs</u>	
A*24	43%
A*2402	12%
A*240201	2%
A*2402L	20%
A*24020102L	23%
A*24	100% TOTAL
A*31	49%
A*3101	31%
A*310102	18%
A*31	98% TOTAL

<u>Extract 458 (Caucasian)</u>	
<u>50 labs</u>	
A*02	50%
A*0201	38%
A*020101	10%
A*02010101	2%
A*02	100% TOTAL
A*03	52%
A*0301	36%
A*030101	8%
A*03010101	4%
A*03	100% TOTAL

<u>Extract 459</u>	
<u>50 labs</u>	
A*26	42%
A*2601/24/26	8%
A*2601	36%
A*260101	14%
A*26	100% TOTAL
A*32	42%
A*3201	44%
A*320101	14%
A*32	100% TOTAL

<u>Extract 460 (Hispanic)</u>	
<u>50 labs</u>	
A*02	52%
A*0201	40%
A*020101	6%
A*02010101	2%
A*02	100% TOTAL
A*24	56%
A*2402	36%
A*240201	2%
A*24020101	6%
A*24	100% TOTAL

<u>49 labs</u>	
B*44	51%
B*4402/19N	19%
B*440201/19N	4%
B*4402	16%
B*440201	2%
B*44020101	8%
B*44	100% TOTAL
B*55	39%
B*5501	47%
B*550101	14%
B*55	100% TOTAL

<u>50 labs</u>	
B*15	26%
B*1501	4%
B*1533	2%
B*1571	68%
B*15	100% TOTAL
B*40	34%
B*4001/55	12%
B*4001	50%
B*400101	2%
B*400102	2%
B*40	100% TOTAL

<u>50 labs</u>	
B*27	34%
B*2708	66%
B*27	100% TOTAL
B*45	34%
B*4501/07	14%
B*4501	52%
B*45	100% TOTAL

<u>49 labs</u>	
B*15	54%
B*1501/39	12%
B*150101/39	2%
B*1501	28%
B*150101	2%
B*15010101	2%
B*15	100% TOTAL
B*15	38%
B*1540/*9517	22%
B*1540	40%
B*15	100% TOTAL

<u>46 labs</u>	
Cw*01	46%
Cw*0102	46%
Cw*010201	8%
Cw*01	100% TOTAL
Cw*02	35%
Cw*0202	52%
Cw*020202	13%
Cw*02	100% TOTAL

<u>47 labs</u>	
Cw*03	32%
Cw*0303/20N	23%
Cw*030301/20N	9%
Cw*0303	30%
Cw*030301	6%
Cw*03	100% TOTAL
Cw*03	32%
Cw*0304	60%
Cw*030401	6%
Cw*0309	2%
Cw*03	100% TOTAL

<u>47 labs</u>	
Cw*06	39%
Cw*0602	55%
Cw*060201	4%
Cw*06020101	2%
Cw*06	100% TOTAL

<u>47 labs</u>	
Cw*03	34%
Cw*0303/20N	23%
Cw*030301/20N	9%
Cw*0303	28%
Cw*030301	6%
Cw*03	100% TOTAL
Cw*03	34%
Cw*0304	58%
Cw*030401	6%
Cw*0309	2%
Cw*03	100% TOTAL

INVESTIGATOR		CELL NO.1369 (Korean)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*02	*31	*15	*40	*03		RVSSO,SSP
745	Anthony Nola	*020601	*310102	*151101	*4003	*030301	*030401	SSO,SSP,SBT
2020	Barnardo,Mar	*020601	*310102	*151101	*4003	*030301	*030401/0403	PCR-SSP,SBT
5106	Brown,Colin	*0206	*3101	*1511	*4003	*0303	*0304	PCR-RSSOP,SBT
774	Cecka,J.Mich	*0206/*9226-27+	*31	*1511/*9548	*4003	*03	*03	SSP
4492	Charron,D.	*02/*92	*31	*15	*40			PCR-SSP
798	Claas,F.H.J.	*020601	*310102	*151101	*4003	*030301	*030401	P-SBT,RLB,SSP
3632	Colombe,Beth	*0206	*3101	*1511	*4003	*0303	*0304	SSP
3904	Cooper,E.Sha	*02	*31	*1511	*4003	*0302/04/05-10	*0303/11/13/20N	SSP
5130	Costeas,Paul	*0206	*3101	*1511	*4003	*0303	*0304	SSP
779	Daniel,Claud	*02	*31	*151101-1103	*4003/20	*03(Cw9)		PCR-SSP
8052	Del Pozo,Ana	*02	*31	*1511	*40			SSO
3186	Dunckley,Hea	*02	*31	*1511	*4003	*0303/11-13/18+	*0304-06/08-10+	SSP+SBT-B
3766	Dunn,Paul	*02	*31	*1511/*9548	*4003/09/27/89	*03		SSO
856	Dupont,Bo	*0206/10/21/28+	*3101/02/06/09+	*1511/15/*9548	*4003	*0303/11/13/20N+	*0304/08/09/23+	SSO
5214	Eckels/CPMC	*02	*31	*15(B75)	*40(B61)	*03	*03	SSOP
2332	Elkhalifa,Mo	*02	*31	*15	*40	*03		RVSSO
4251	Ellis,Thomas	*0206	*3101	*1511	*4003	*0303/20N	*0304	PCR-SSO,SEQ
762	Fischer&Mayr	*0206/*9226	*3101/14N/23	*1511	*4003	*0303	*0304	
810	Hamdi,Nuha	*020601	*310102	*151101	*4003	*030301	*0309	SSO
4269	Hanau,Daniel	*020601	*310102	*151101	*4003	*030301	*030401	PCR-SBT,SSP
741	Harvill,Terr	*0206	*3101	*1511	*4003	*0303	*0303	RVSSO
3808	Hogan,Patric	*02	*31	*1511	*4003/09/18/20+	*03	*03	SSP
771	Israel,Shosh	*0206	*3101	*1511	*4003	*0303	*0304	PCR-SSP,SBT
4337	Kim,Tai-Gyu	*0206	*3101	*1511	*4003	*0303	*0304	SBT
168	Klein,Tirza	*0206	*3101	*1511	*4003	*0303	*0304	PCR-SSO,SSP
278	Lee,Jar-How	*0206/*9226/27	*3101/14N	*1511	*4003	*0303	*0304	SSP,RVSSOP
731	Loewenthal,R	*020601	*310102	*151101	*4003	*030301/0401	*030401/20N	SBT,SSO
759	Lopez-Cepero	*0206/10/21/28+	*3101/09/11/13+	*1511/*9548	*4003/09/27/89	*0303/04-06/09+		RVSSO
23	Mah,Helen	*0206+	*3101+	*1511/*9548	*4003	*03	*03	SSO,SSP
8029	Mani,Rama	*02	*31	*15	*40			PCR-SSP
792	Moore,S.Brea	*0206	*3101	*1511	*4003	*0303	*0304	PCR-SSO,SSP
4336	Park,Myoung	*02	*31	*1511/15	*4003/09	*03		RVSSO
16	Pidwell,Dian	*020601	*310102	*151101	*4003	*030301/20N	*030401	RSSO,SBT,SSP
4689	Rajczy,Katal	*020601	*310102	*151101	*4003	*03	*03	PCR-RVSSO,SBT
3625	Rees,Tracey	*02	*31	*1511/76	*4003/20	*03(Cw9)	*03(Cw10)	PCR-SSP
5200	Reinke,Denni	*02	*31	*15	*40(B61)	*03(Cw9)	*03(Cw10)	SSP
1160	Rosen-BronGT	*02	*31	*1511/*9548	*4003	*03		SSP,RVSSO
793	Rubocki,Ron	*02	*31	*15(B75)	*40(B61)	*03		SSP
4948	Sage,Deborah	*0206	*3101	*1511	*4003	*0303/20N	*0304	
3519	Semana,Gilbe	*0206	*3101	*1511	*4003	*0303	*0304	SBT
8001	Sheikh,Maqso	*02	*31	*1511	*4003	*0303/11/13/20N+	*0304-06/09/23+	RVSSO,SSP
769	Tavoularis,S	*0206	*3101	*1511	*4003	*0303	*0304	SSO,SBT,SSP
747	Tiercy,Jean-	*020601	*310102	*151101	*4003	*030301	*030401/0403	P-SBT,SSO,SSP
5451	Tilanus,Marc	*020601	*310102	*151101	*4003	*030301	*0304	SBT
5462	Turner,E.V.	*0206	*3101	*1511	*4003	*0303	*0304	SBT,SSO,SSP
705	Watkins,Davi	*0206g	*3101g	*1511/*9548	*4003/09	*0303g		SSO

INVESTIGATOR		CELL NO.1370 (Hispanic)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*68		*53	*48	*04	*08	RVSSO,SSP
745	Anthony Nola	*680102	*680201	*530101	*480101	*040101	*080101	SSO,SSP,SBT
2020	Barnardo,Mar	*680102	*68020101	*530101	*480101	*040101/10/28-30	*080101/10/20-22	PCR-SSP,SBT
5106	Brown,Colin	*68		*5301/10	*4801/09	*04	*0801/08	PCR-RSSOP,SBT
774	Cecka,J.Mich	*68		*5301/05/08	*4801/09/11	*04	*08	SSP
4492	Charron,D.	*68	*68/*3307	*53	*48			PCR-SSP
798	Claas,F.H.J.	*680102	*680201	*530101	*480101	*040101	*080101	P-SBT,RLB,SSP
3632	Colombe,Beth	*6801	*6802	*5301	*4801	*0401	*0801	SSP
3904	Cooper,E.Sha	*68		*53	*48	*0401	*0801	SSP
5130	Costeas,Paul	*6801	*6802	*5301	*4801	*0401	*0801	SSP
779	Daniel,Claud	*68		*53	*48	*04	*08	PCR-SSP
8052	Del Pozo,Ana	*68	*68	*53	*48			SSO
3186	Dunckley,Hea	*68		*53	*48	*04	*08	SSP
3766	Dunn,Paul	*6801+	*6802+	*5301/10/14	*4801/09/11	*04	*0801/08	SSO
856	Dupont,Bo	*6801	*6802	*3501/*5301	*4801/18	*0410/11	*0801/*0501	SSO
5214	Eckels/CPMC	*68	*68	*53	*48	*04	*08	SSOP
2332	Elkhalifa,Mo	*68		*53	*48	*04	*08	RVSSO
4251	Ellis,Thomas	*6801/11N	*6802	*5301	*4801	*0401/30	*0801	PCR-SSO,SEQ
762	Fischer&Mayr	*6801/33	*6802	*5301	*4801/09	*0401/09N/28/30	*0801/20/22	
810	Hamdi,Nuha	*680102	*68020101	*530101	*480101	*04010101	*080101	SSO
4269	Hanau,Daniel	NT						
741	Harvill,Terr	*6801	*6802	*5301	*4801	*0401	*0801	RVSSO
3808	Hogan,Patric	*68	*6802/18N/27/28+	*53	*48	*04	*08	SSP
771	Israel,Shosh	*6801	*6802	*5301	*4801	*0401	*0801	PCR-SSP,SBT
4337	Kim,Tai-Gyu	*6801	*6802	*5301	*4801	*0401	*0801	SBT
168	Klein,Tirza	*6801	*6802	*5301	*4801	*0401	*0801	PCR-SSO,SSP
278	Lee,Jar-How	*680102	*6802	*5301	*4801	*0401	*0801	SSP,RVSSOP
731	Loewenthal,R	*680101	*680201	*530101	*480101	*040101/09N/30	*080101	SBT,SSO
759	Lopez-Cepero	*6801/07/12/16+	*6802/28/34/40	*5301/10/14	*4801/09/11	*0401/05/07/10+	*0801/08	RVSSO
23	Mah,Helen	*6801+	*6802+	*5301/10/14	*4801/09/11	*0401+	*0801/08	SSO,SSP
8029	Mani,Rama	*68	*68	*53	*48			PCR-SSP
792	Moore,S.Brea	*6801	*6802	*5301	*4801	*0401	*0801	PCR-SSO,SSP
4336	Park,Myoung	*68		*53	*48	*04	*08	RVSSO
16	Pidwell,Dian	*680102/11N	*680201	*530101	*480101	*040101/30	*080101	RSSO,SBT,SSP
4689	Rajczy,Katal	*680102	*680201	*530101	*480101	*04	*08	PCR-RVSSO,SBT
3625	Rees,Tracey	*68	*68	*53	*48	*04	*08	PCR-SSP
5200	Reinke,Denni	*68		*53	*48	*04	*08	SSP
1160	Rosen-BronGT	*68		*53	*48	*04	*08	SSP,RVSSO
793	Rubocki,Ron	*68		*53	*48	*04	*08	SSP
4948	Sage,Deborah	*6801/11N	*6802	*5301	*4801/09	*0401/09N/28/30	*0801	
3519	Semana,Gilbe	*6801	*6802	*5301	*4801	*0401	*0801	SBT
8001	Sheikh,Maqso	*68		*53	*48	*04	*08	RVSSO,SSP
769	Tavoularis,S	*6801	*6802	*5301	*4801	*0401	*0801	SSO,SBT,SSP
747	Tiercy,Jean-	*680102	*680201	*530101	*480101	*0401	*0801/22	P-SBT,SSO,SSP
5451	Tilanus,Marc	*680102	*680201	*530101	*480101	*040101	*080101	SBT
5462	Turner,E.V.	*6801	*6802	*5301	*4801	*0401	*0801/04	SBT,SSO,SSP
705	Watkins,Davi	*6801g		*5301/10	*4801/09/11	*0401g	*0801/08	SSO



CTR	INVESTIGATOR NAME	CELL NO.1371 (Hispanic)	A1	A2	B1	B2	C1	C2	method
8062	Al-Attas,Rab		*02	*29	*51	*44	*15	*16	RVSSO, SSP
745	Anthony Nola		*020101	*290201	*511301	*440301	*150201	*160101	SSO, SSP, SBT
2020	Barnardo,Mar		*020101	*290201	*511301	*440301	*150201/13//*1507	*160101//*1602	PCR-SSP, SBT
5106	Brown,Colin		*0201	*2902	*5113	*4403	*1502	*1601	PCR-RSSOP, SBT
774	Cecka,J.Mich		*0201/*92	*29	*5113	*44	*15	*16	SSP
4492	Charron,D.		*02	*29	*51	*44	*15	*16	PCR-SSP
798	Claas,F.H.J.		*020101	*290201	*511301	*440301	*150201	*160101	P-SBT, RLB, SSP
3632	Colombe,Beth		*0201	*2902	*5113	*4403	*1502	*1601	SSP
3904	Cooper,E.Sha		*02	*29	*511301	*44	*15	*16	SSP
5130	Costeas,Paul		*0201	*2902	*5113	*4403	*1502	*1601	SSP
779	Daniel,Claud		*02	*29	*511301/1302+//*51	*44//*4492	*15	*16	PCR-SSP
8052	Del Pozo,Ana		*02	*29	*5113	*44			SSO
3186	Dunckley,Hea		*02	*29	*51	*44	*15	*16	SSP
3766	Dunn,Paul		*02	*29	*5113	*44	*15	*16	SSO
856	Dupont,Bo		*0201	*2901/02/04/06+	*5113/63	*4403	*1502/10/11/13/18	*1601/02/08/09/11	SSO
5214	Eckels/CPMC		*02	*29	*5113	*44	*15	*16	SSOP
2332	Elkhalifa,Mo		*02	*29	*51	*44	*15	*16	RVSSO
4251	Ellis,Thomas		*0201	*2902	*5113	*4403	*1502	*1601	PCR-SSO, SEQ
762	Fischer&Mayr		*0201	*2902/13	*5113	*4403	*1502/13	*1601	
810	Hamdi,Nuha		*02010101	*29010101	*511301	*440301	*150201	*160101	SSO
4269	Hanau,Daniel		NT						
741	Harvill,Terr		*0201	*2901	*5113	*4403	*1502	*1601	RVSSO
3808	Hogan,Patric		*02	*29	*51	*44	*15	*16	SSP
771	Israel,Shosh		*0201	*2902	*5113	*4403	*1502	*1601	PCR-SSP, SBT
4337	Kim,Tai-Gyu		*0201	*2902	*5113	*4403	*1502	*1601	SBT
168	Klein,Tirza		*0201	*2902	*5113	*4403	*1502	*1601	PCR-SSO, SSP
278	Lee,Jar-How		*0201	*2902	*5113	*4403	*1502	*1601	SSP, RVSSOP
731	Loewenthal,R		*020101	*290201	*511301	*440301	*150201/07	*160101/02	SBT, SSO
759	Lopez-Cepero		*0201/07/09/18+	*2901/02/04/06+	*5113	*4403/13/26/35+	*1502/03/07/10/13	*1601/02/08/09	RVSSO
23	Mah,Helen		*0201	*29	*5113	*4403+	*15	*16	SSO, SSP
8029	Mani,Rama		*02	*29	*51	*44			PCR-SSP
792	Moore,S.Brea		*0201	*2902	*5113	*4403	*1502	*1601	PCR-SSO, SSP
4336	Park,Myoung		*02	*29	*5113	*44	*15	*16	RVSSO
16	Pidwell,Dian		*020101	*290201	*511301	*440301	*150201	*160101	RSSO, SBT, SSP
4689	Rajczyk,Katal		*0201	*290201	*511301	*440301	*15	*1601/02/08-10	PCR-RVSSO, SBT
3625	Rees,Tracey		*02	*29	*510104/10/13/24+	*44	*15	*16	PCR-SSP
5200	Reinke,Denni		*02	*29	*5113	*44	*15	*16	SSP
1160	Rosen-BronGT		*02	*29	*5113	*44	*15	*16	SSP, RVSSO
793	Rubocki,Ron		*02	*29	*51	*44	*15	*16	SSP
4948	Sage,Deborah		*0201	*2902	*5113	*4403	*1502/07/13	*1601/02	
3519	Semana,Gilbe		*0201	*2902	*5113	*4403	*1502	*1601	SBT
8001	Sheikh,Maqso		*02	*29	*51	*44	*15	*16	RVSSO, SSP
769	Tavoularis,S		*0201	*2902	*5113	*4403	*1502	*1601	SSO, SBT, SSP
747	Tiercy,Jean-		NT						
5451	Tilanus,Marc		*020101	*290201	*511301	*440301	*150201	*160101	SBT
5462	Turner,E.V.		*0201	*2902	*5113	*4403	*1502	*1601	SBT, SSO, SSP
705	Watkins,Davi		*0201g	*2902/04/06/08N+	*5113	*4403/26/35/36+	*1502/03/07/13/18	*1601/02/08/09/11	SSO

INVESTIGATOR	CELL NO.1372 (Filipino)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
8062 Al-Attas,Rab	*11	*34	*35	*15	*07	*08	RVSSO,SSP
745 Anthony Nola	*110101	*3405	*350101	*1535	*070201	*080101	SSO,SSP,SBT
2020 Barnardo,Mar	*110101	*3405	*350101/42	*1535	*07020101+//*0739	*080101+//*0821	PCR-SSP,SBT
5106 Brown,Colin	*1101	*3405	*3501	*1535	*0702	*0801	PCR-RSSOP,SBT
774 Cecka,J.Mich	*11	*34	*35	*1535	*07	*08	SSP
4492 Charron,D.	*11	*34	*35	*15/*95	*07	*08	PCR-SSP
798 Claas,F.H.J.	*110101	*3405	*350101	*1535	*07020101	*080101	P-SBT,RLB,SSP
3632 Colombe,Beth	*1101	*3405	*3501	*1535	*0702	*0801	SSP
3904 Cooper,E.Sha	*11	*34	*35	*1535	*07	*08	SSP
5130 Costeas,Paul	*1101	*3405	*3501	*1535	*0702	*0801	SSP
779 Daniel,Claud	*11	*34	*35	*15(B62)	*07	*08	PCR-SSP
8052 Del Pozo,Ana	*11	*3401/05	*35	*15			SSO
3186 Duncckley,Hea	*11	*34	*35	*1501/04/05/07+	*07	*08	SSP,SBT
3766 Dunn,Paul	*11	*3401/05	*35	*1535	*07	*0801/08	SSO
856 Dupont,Bo	*1101	*3401/05	*3501	*1535/20/25/85+	*0702	*0801	SSO
5214 Eckels/CPMC	*11	*34	*35	*15(B62)	*07	*08	SSOP
2332 Elkhalfifa,Mo	*11	*34	*35	*15	*07	*08	RVSSO
4251 Ellis,Thomas	*1101	*3405	*3501/42/57	*1535	*0702/50	*0801	PCR-SSO,SEQ
762 Fischer&Mayr	*1101/21N	*3405	*3501/40N/57/94	*1535	*0702/50/66	*0801/20/22	
810 Hamdi,Nuha	*110101	*340101	*351401	*1520	*07020101	*080101	SSO
4269 Hanau,Daniel	NT						
741 Harvill,Terr	*1101	*3401	*3501	*1520	*0702	*0801	RVSSO
3808 Hogan,Patric	*11	*34	*35	*1535	*07	*08	SSP
771 Israel,Shosh	*1101	*3405	*3501	*1535	*0702	*0801	PCR-SSP,SBT
4337 Kim,Tai-Gyu	*1101	*3405	*3501	*1535	*0702	*0801	SBT
168 Klein,Tirza	*1101	*3401/05	*3501	*1535	*0702	*0801	PCR-SSO,SSP
278 Lee,Jar-How	*1101/30/32	*3401/05	*3501	*1535	*0702/46/49/50	*0801	SSP,RVSSOP
731 Loewenthal,R	*110101	*3405	*350101	*1535	*070201/50	*080101	SBT,SSO
759 Lopez-Cepero	*1101-03/07/12+	*3401/05	*3501/07/14/17/27+	*1520/35/85/95+	*0702/38/39/46+	*0801/08	RVSSO
23 Mah,Helen	*11	*3401/05	*35	*1520/35/85+	*0702+	*0801/08	SSO,SSP
8029 Mani,Rama	*11	*34	*35	*15			PCR-SSP
792 Moore,S.Brea	*1101	*3405	*3501	*1535	*0702	*0801	PCR-SSO,SSP
4336 Park,Myoung	*11	*34	*35	*15	*07	*08	RVSSO
16 Pidwell,Dian	*110101	*3405	*350101/42/57	*1535	*070201/50//*0739	*080101/22//*0821	RSSO,SBT,SSP
4689 Rajczy,Katal	*110101	*3405	*3557	*1535	*07	*08	PCR-RVSSO,SBT
3625 Rees,Tracey	*11	*3401/05	*35	*1535/*9541	*07	*08	PCR-SSP
5200 Reinke,Denni	*11	*34	*35	*15(B62)	*07	*08	SSP
1160 Rosen-BronGT	*11	*34	*35	*1535	*07	*08	SSP,RVSSO
793 Rubocki,Ron	*11	*34	*35	*15(B62)	*07	*08	SSP
4948 Sage,Deborah	*1101	*3405	*3501/40N/42/57	*1535	*0702/50	*0801	
3519 Semana,Gilbe	*1101	*3405	*3501/57	*1535	*0702	*0801	SBT
8001 Sheikh,Maqso	*11	*34	*35	*1535	*07	*08	RVSSO,SSP
769 Tavoularis,S	*1101	*3405	*3501/57	*1535	*0702	*0801	SSO,SBT,SSP
747 Tiercy,Jean-	NT						
5451 Tilanus,Marc	*110101	*3405	*350101	*1535	*070201	*080101	SBT
5462 Turner,E.V.	*1101	*3405	*3501	*1535	*0702	*0801	SBT,SSO,SSP
705 Watkins,Davi	*1101g	*3401/05	*3501g	*1535/*9518/41	*0702g	*0801/08	SSO

## Cell 1369 (Korean)

47 labs

A*02	51%
A*0206	28%
A*020601	21%
A*02	100% TOTAL

A*31	51%
A*3101	28%
A*310102	21%
A*31	100% TOTAL

47 labs

B*15	21%
B*1511/*9548	13%
B*1511	45%
B*151101	21%
B*15	100% TOTAL

B*40	32%
B*4003	68%
B*40	100% TOTAL

44 labs

Cw*03	55%
Cw*0303	29%
Cw*030301	16%
Cw*03	100% TOTAL

Cw*03	48%
Cw*0303	2%
Cw*0304	39%
Cw*030401	9%
Cw*0309	2%
Cw*03	100% TOTAL

## Cell 1370 (Hispanic)

46 labs

A*68	57%
A*6801	24%
A*680101	2%
A*680102	17%
A*68	100% TOTAL

A*68	46%
A*6802	33%
A*680201	15%
A*68020101	4%
A*68	98% TOTAL

46 labs

B*53	37%
B*5301/10/14	7%
B*5301/10	4%
B*5301	30%
B*530101	20%
B*53	98% TOTAL

B*48	37%
B*4801/09/11	11%
B*4801/09	6%
B*4801	26%
B*480101	20%
B*48	100% TOTAL

43 labs

Cw*04	61%
Cw*0401	30%
Cw*040101	7%
Cw*04010101	2%
Cw*04	100% TOTAL

Cw*08	42%
Cw*0801/08	12%
Cw*0801	30%
Cw*080101	14%
Cw*08	98% TOTAL

## Cell 1371 (Hispanic)

45 labs

A*02	45%
A*0201	40%
A*020101	13%
A*02010101	2%
A*02	100% TOTAL

A*29	51%
A*2901	2%
A*29010101	2%
A*2902	29%
A*290201	16%
A*29	100% TOTAL

45 labs

B*51	24%
B*5113	56%
B*511301	20%
B*51	100% TOTAL

B*44	47%
B*4403	35%
B*440301	18%
B*44	100% TOTAL

43 labs

Cw*15	58%
Cw*1502	30%
Cw*150201	12%
Cw*15	100% TOTAL

Cw*16	56%
Cw*1601	32%
Cw*160101	12%
Cw*16	100% TOTAL

## Cell 1372 (Filipino)

45 labs

A*11	51%
A*1101	31%
A*110101	18%
A*11	100% TOTAL

A*34	34%
A*3401/05	20%
A*3401	2%
A*340101	2%
A*3405	42%
A*34	100% TOTAL

45 labs

B*35	51%
B*3501/42/57	2%
B*350101/42/57	2%
B*350101/42	2%
B*3501/57	5%

B*3501	25%
B*350101	9%
B*351401	2%
B*3557	2%
B*35	100% TOTAL

B*15	36%
B*1520	4%
B*1535	60%
B*15	100% TOTAL

43 labs

Cw*07	63%
Cw*0702	28%
Cw*070201	5%
Cw*07020101	4%
Cw*07	100% TOTAL

Cw*08	44%
Cw*0801/08	9%
Cw*0801	35%
Cw*080101	12%
Cw*08	100% TOTAL

INTERNATIONAL CELL EXCHANGE

INVESTIGATOR NAME	CELL NO.1369 *****										CELL NO.1370 *****										CELL NO.1371 *****										CELL NO.1372 *****									
	V	I	A	A	B	B	C	C	B		V	I	A	A	B	B	C	C	B		V	I	A	A	B	B	B		V	I	A	A	B	B	C	C	B			
		(KORE)										(HISP)										(HISP)								(FILP)										
	DAYS	B	2	3	7	6	W	W	W		B	6	5	4	W	W	W	W		B	2	2	5	4	W			B	1	3	3	6	W	W	W					
	OLD	%	1	5	1	3	1	6	OTHERS	%	8	3	8	4	8	4	6	OTHERS	%	9	1	4	4	OTHERS	%	1	4	5	2	7	8	6	OTHERS							

Abbal,Michel	6	NT								98	+	+	+	+	+					98	+	+	+	+	+		100	+	+	+	+	+	
Alvarez,Carr	6	100	+	+	+	+	+	+		100	+	+	+	+	+					100	+	+	+	+	+		100	+	+	+	+	+	
Anthony Nola	3	99	+	+15	+					99	+	+	+	+	+					98	+	+	+	+	+		99	+	+	+	+	+	
Berka,Noured	2	90	+	+1540	+	+				90	28	+	+	+	+	+				90	+	+	+	+	+		90	+	+	+	+	+	
Bow,Laurine	7	95	+	+	+	+	+		B46	99	28	+	+	+	+	+	+			99	+	+	+	+	+		99	+	+	+	+	+	
Burger,Joe	2	99	+	+	+	+	+		BW4	99	+	+	+	+	+	+				99	+	+	+	+	+		99	+	+	+	+	+	+
Cecka,J.Mich	3	95	+	+15	+	+				95	+	+	+	+	+	+				95	+	+	+	+	+		95	+	+	+	+	+	
Chan MD,Soh	4	90	+	+			+		B48,CW8	90	+	+	+	+	+	+				90	+	+	+	+	+		90	+	+	+	+	+	CW6
Charron,D. P	3	100	+	+	40		+		B46	100	+	+	+	+	+	+				100	+	+	+	+	+		100	+10	+	+	+	+	
Choo,Yoon MD	2	99	+	+	40		+		B46	99	+	+	+	+	+	+				99	+	+	+	+	+		99	+	+	+	+	+	+
Claas,F.H.J.	6	90	+	+	+	+	+			90	+	+	+	+	+	+				90	+	+	+	+	+		90	+	+	+	+	+	
Cooper,E. Sh	2	99	+	+1540			+			99	+	+	+	+	+	+				99	+	+	+	+	+		99	+	+	+	+	+	
Dhaliwal,J.S	15	NT								NT										NT							NT						
Du Toit,Erne	8	70	+	+			+			70	28	+	+		+	+				80	+	+	+	+	+		70	+	+	+	+	+	
Dunckley,Hea	8	85	+	+191540			+			90	+	+	+	+	+	+	A2			90	+	+	+	+	+		90	+	+	+	+	+	
Dunk,Arthur	2	98	+	+	+	+	+			98	28	+	+	+	+	+				98	+	+	+	+	+		98	+	+	+	+	+	
Dunn,Paul Dr	6	95	+	+	+	+	+			95	+	+	+	+	+	+				95	+	+	+	+	+		95	+	+	+	+	+	
Eckels/CPMC,	2	90	+	+	+	+	+			90	+	+	+	+	+	+				90	+	+	+	+	+		90	+	+	+	+	+	+
Eckels/Utah,	3	94	+	+	+	+	+			95	+	+	+	+	+	+	A69			99	+	+	+	+	+		97	+	+	+	+	+	
Eisenbrey,A.	2	98	+	+	+	+W9	+	+		98	+	+	+	+	+	+			CX16,CX15	98	+	+	+	+	+		98	+	+	+	+	+	
Esteves Kond	2	98	+	+11	+W9		+	+		98	+	+	+	+	+	+			CX15	98	01	+	+	+	+		98	01	+	+	+	+	B75,3401
Fischer,Joha	6	94	+	+	+	+	+			95	+	+	+	+	+	+				94	+	+	+	+	+		92	+	+	+	+	+	
Hahn,Amy B.	6	99	+	+			+		B60,1508	98	+	+	+	+	+	+			CX15	99	+	+	+	+	+		99	+	+	+	+	+	B75
Hanau,Daniel	3	NT								NT										80	+	+	+	+	+		80	+10	+	+	+	+	
Harville,Ter	2	97	+	+11	+W9		+			97	+	+	+	+	+	+				97	+	+	+	+	+		97	+	+	+	+	+	+
Hirankarn MD	6	85	+	+	+40		+			84	+			+	+	A2,B51				90	+	+	+	+	+		79	.1	+	+	+	+	
Hogan,Patric	6	80	+	+	+	+	+			85	+	+	+	+	+	+				85	+	+	+	+	+		85	+	+	+	+	+	+
Holdsworth,R	7	98	+	+	+	+	+			95	+	+	+	+	+	+				98	+	+	+	+	+		99	+	+	+15	+	+	
Hubbell,Char	6	95	+	+			+		B60,B70	95	28	+	+		+	A33				95	+	+	+	+	+		95	+	+	+	+	+	
Ichikawa MD,	20	NT								80				+	+	B35,A2				NT							NT						
Israel,Shosh	5	10	+	+	+40		+			5	+	+	+	+	+	+				5	+	+	+	+	+		5	+	+	+	+	+	+
Jaramillo,An	2	96	+	+11	+	+	+			98	+	+	+	+	+	+			CX15	98	+	+	+	+	+		98	+	+	+	+	+	+
Keown,Paul M	3	98	+	+	+40		+		1508	98	28	+	+	+	+	+				98	+	+	+	+	+		98	+	+	+	+	+	
Klein,Tirza	7	60	+	+	+	+	+		B60	80	+	+	+	+	+	+				90	+	+	+	+	+		NT						
Kvam,Vonnett	3	95	+	+	+	+	+		B46	75	28	+	+	+	+	+			CX16	96	+	+	+	+	+		96	+	+	+	+	+	+
Lardy,N.M. D	8	90	+	+15	+	+	+		B15V	90	28	+	+	+	+	B60				90	+	+	+	+	+		90	+	+	+	+	+	+
Lebeck,Laura	3	98	+	+15	+	+	+			98	28	+	+	+	+	+				98	+	+	+	+	+		98	+	+	+	+	+	+
Leech MD,Ste	3	95	+	+			+		B46,B60	NT										50	+	+	+	+	+		50	+	+	+	+	+	A26
Lo,Raymundo	4	98	+	+	+	+	+		B35	98	+				+	B50,A2,B35				98	+	+	+	+	+		98	01	+	+	+	+	
Loewenthal M	5	95	+	+	+	+	+			95	28	+	+	+	+	+				95	+	+	+	+	+		NT						
Lopez-Cepero	2	99	+	+15	+	+	+		B15V	99	+	+	+	+	+	+				99	+	+	+	+	+		99	+	+	+	+	+	+
MacCann,Eile	2	98	+	+	+	+	+			98	+	+	+	+	+	+				98	+	+	+	+	+		98	+	+	+	+	+	+
Mah,Helen	3	98	+	+	+	+	+			98	+	+	+	+	+	+				98	+	+	+	+	+		98	+	+	+	+	+	+
McAlack,Robe	2	97	+	+11	+W9		+			97	+	+	+	+	+	+			CX15,CW7	97	+	+	+	+	+		97	+	+	+	+	+	+
McAlack-Bala	2	98	+	+11	+	+	+			98	28	+	+	+	+	+			CX15	98	+	+	+	+	+		98	+	+	+	+	+	+
McCluskey,Ja	8	95	+	+1540			+			99	28	+	+	+	+	A33				97	+	+	+	+	+		99	+	+	+	+	+	
Meyer,Pieter	14	85	+	+	+	+	+		B70	85	+				+	B35,B60,A2				85	+	+	+	+	+		85	+	+	+	+	+	A66
Mpuntsha,Loy	6	90	+	+	+		+		B46	90	28	+	+		+	+				90	+	+	+	+	+		90	+	+	+	+	+	+
Norin,Allen	2	98	+	+			+		B60	98	+	+	+	+	+	A74				98	+	+	+	+	+		98	+	+	+	+	+	+
Park,Myoung	7	95	+	+	+	+	+			95	28	+	+	+	+	+				92	+	+	+	+	+		96	+	+	+	+	+	+

INTERNATIONAL CELL EXCHANGE

	*****	CELL NO.1369	*****	CELL NO.1370	*****	CELL NO.1371	*****	CELL NO.1372	*****
	V		V		V		V		
INVESTIGATOR	I	(KORE)	I	(HISP)	I	(HISP)	I	(FILP)	
	A A A B B C C B		A A B B C C B B		A A A B B B		A A A B B C C B		
DAYS	B 2 3 7 6 W W W		B 6 5 4 W W W W		B 2 2 5 4 W		B 1 3 3 6 W W W		
NAME	OLD % 1 5 1 3 1 6	OTHERS	% 8 3 8 4 8 4 6	OTHERS	% 9 1 4 4	OTHERS	% 1 4 5 2 7 8 6	OTHERS	

0

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Permpikul, Ve	6	90	+	+	+	+	B46	95	28	+	+	+	+	A33	90	+	+	+	+	+	80	01	+	+	+	+
Phelan, Donna	3	99	+	+	+	+		95	+	+	+	+	+		99	+	+	+	+	+	CX16, CX15	99	+	+	+	+
Pidwell, Dian	2	95	+	+11	+	+	1508	95	+	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+
Pollack, Mari	3	99	+	+	+	+		99	28	+	+	+	+		99	+	+	+	+	+	CX15	99	+	+	+	+
Rajczy, Katal	3	95	+	+15	+	+		95	28	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+
Rees, Tracey	6	80	+	+	+	+		90	+	+	+	+	+		90	+	+	+	+	+		90	+	+	+	+
Rosen-BronGT	2	90	+	+	+	+	B46	90	+	+	+	+	+		90	+	+	+	+	+		90	+	+	+	B75
Rosen-BronMS	5	90	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+
Rubocki, Rona	2	98	+	+	+40	+		98	28	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+
Sauer, Gottwa	6	90	+	+	+	+		90	+	+	+	+	+		90	+	+	+	+	+		90	+	+	+	+
Semana MD, Gi	13	NT						80	+	+	+	+	+		80	+	+	+	+	+		80	+10	+	+	+
Shai, Isaac	10	90	+	+	40	+	B39, A33	90	+		+	+	B78, B60, A2	90	+	+	+	+	+		90	+	+	+	+	A66
Sperry, Roxan	2	98	+	+	+	+		98	28	+	+	+	+		98	+	+	+	+	+	CW6	98	+	+	+	+
Stavropoulos	2	98	+	+	+	+		98	28	+	+	+	+		98	+	+	+	+	+		97	+	+	+	+
Tagliere, Jac	2	100	+	+	+40	+		100	+	+	+	+	+		100	+	+	+	+	+		100	+	+	+	+
Tiercy, Jean-	6	90	+	+15	+	+		95	+	+	+	+		NT	NT							NT				
Tilanus, Marc	7	90	+	+	+	+		90	28	+	+	+	+		90	+	+	+	+	+		90	+	+	+15	+
Vidan-Jeras,	7	97	+	+1540	+	+		95	+	+	+	+	B60	98	+	+	+	+	+		NT					
Walter Reed	2	99	+	+	40	+	B35	99	28	+	+	+	+		99	+	+	+	+	+		99	+	+	+	+
Wisecarver, J	6	98	+	+	+	+		98	28	+	+	+	+		95	+	+	+	+	+		98	+	+	+	+

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

(KORE)  
 \*\*\*\* CELL 1369 \*\*\*\*  
 (65 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 A31 98.5%  
 A19 1.5%  
 (100.0%)  
  
 B75 47.7%  
 1511 9.2%  
 B15 18.5%  
 ( 75.4%)  
  
 B61 69.2%  
 B40 21.5%  
 ( 90.8%)  
  
 CW3 63.1%  
 CW9 6.2%  
 ( 69.2%)  
  
 CW10 3.1%  
 ( 3.1%)  
  
 BW6 92.3%

(OTHERS FOUND)  
 B46 13.8%  
 B60 7.7%  
 B35 4.6%  
 1508 4.6%  
 B70 3.1%  
 B15V 3.1%  
 A33 1.5%  
 B39 1.5%  
 CW8 1.5%  
 B48 1.5%  
 BW4 1.5%

(HISP)  
 \*\*\*\* CELL 1370 \*\*\*\*  
 (67 SAMPLES TYPED)  
 A68 64.2%  
 A28 34.3%  
 ( 98.5%)  
  
 B53 92.5%  
  
 B48 92.5%  
  
 CW4 59.7%  
  
 CW8 35.8%  
  
 BW4 91.0%  
  
 BW6 94.0%

(OTHERS FOUND)  
 A2 9.0%  
 B60 6.0%  
 A33 4.5%  
 B35 4.5%  
 B78 1.5%  
 A69 1.5%  
 B51 1.5%  
 A74 1.5%  
 B50 1.5%

(HISP)  
 \*\*\*\* CELL 1371 \*\*\*\*  
 (67 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 A29 100.0%  
 (100.0%)  
  
 B51 100.0%  
 (100.0%)  
  
 B44 100.0%  
 (100.0%)  
  
 BW4 91.0%

(OTHERS FOUND)  
 CX15 11.9%  
 CX16 4.5%  
 CW6 1.5%  
 CW7 1.5%

(FILP)  
 \*\*\*\* CELL 1372 \*\*\*\*  
 (64 SAMPLES TYPED)  
 A11 93.8%  
 11.1 1.6%  
 1101 4.7%  
 (100.0%)  
  
 A34 90.6%  
 A10 4.7%  
 ( 95.3%)  
  
 B35 100.0%  
  
 B62 95.3%  
 B15 3.1%  
 ( 98.4%)  
  
 CW7 59.4%  
  
 CW8 39.1%  
  
 BW6 90.6%

(OTHERS FOUND)  
 B75 4.7%  
 A66 3.1%  
 3401 1.6%  
 A26 1.6%  
 CW6 1.6%