

# REPORT OF THE 342nd CELL EXCHANGE

JUNE 10, 2009

B-Cell Line	423-424
Serum	989-992
DNA Extract	453-456
Cells	1365-1368

## B-cell line Exchange

We wish to acknowledge the generosity of **Douglas Smith, University of Michigan Medical School, Ann Arbor**, in sharing unusual cells to study in our exchanges.

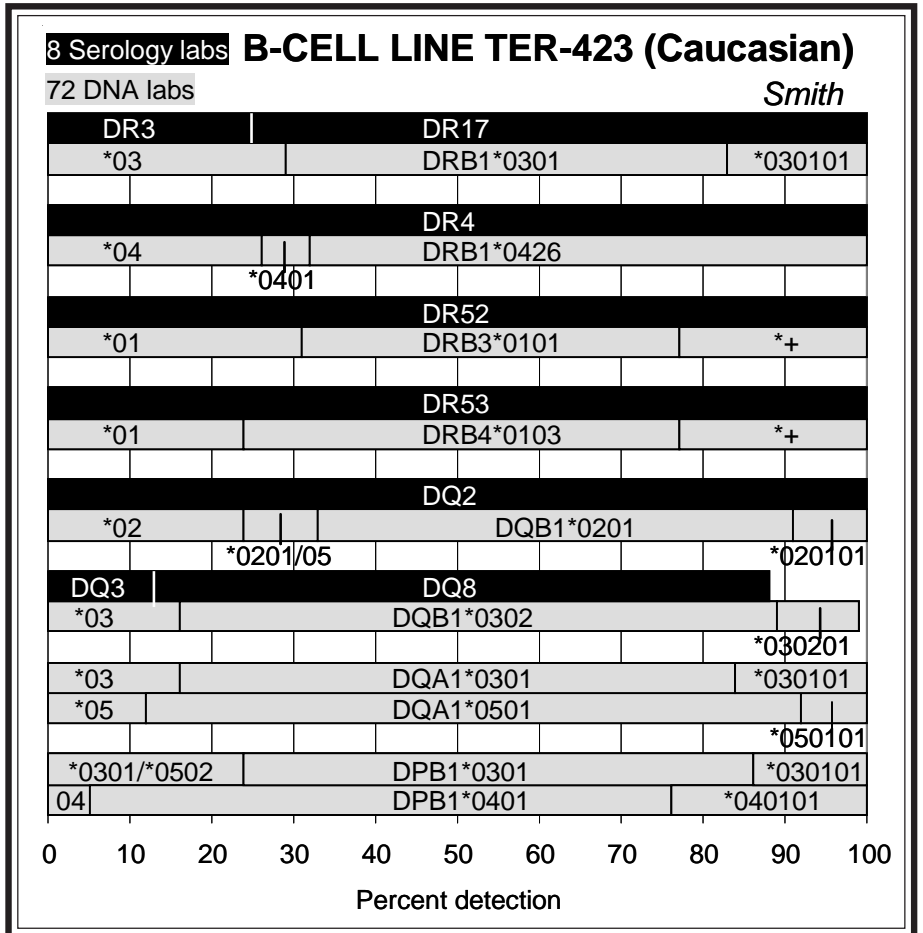
**TER-423.** This cell from a Caucasian individual with the rare DRB1\*0426 was previously typed as TER-271 in 2000. An HLA-identical sibling was also typed in the Cell Exchange, as TER-259 (2000) and TER-366 (2005). The following labs were correct in commenting that this cell was previously typed: Ball, Clark, Hahn, Lopez-Cepero, Mah, Stamm, and Tiercy.

In this present retyping, DRB1\*0426 was detected by 68%. In describing the DRB1\*04 allele, Buyse et al. (1) said, "DRB1\*0426 is identical to DRB1\*0401 except for a single nucleotide substitution (GCC→ACC) at codon 58, changing the encoded Ala to Thr," a unique polymorphism among all known DRB alleles so far. This latest retyping showed that DRB1\*0401 was misassigned by 6%.

DR4 was assigned in complete consensus.

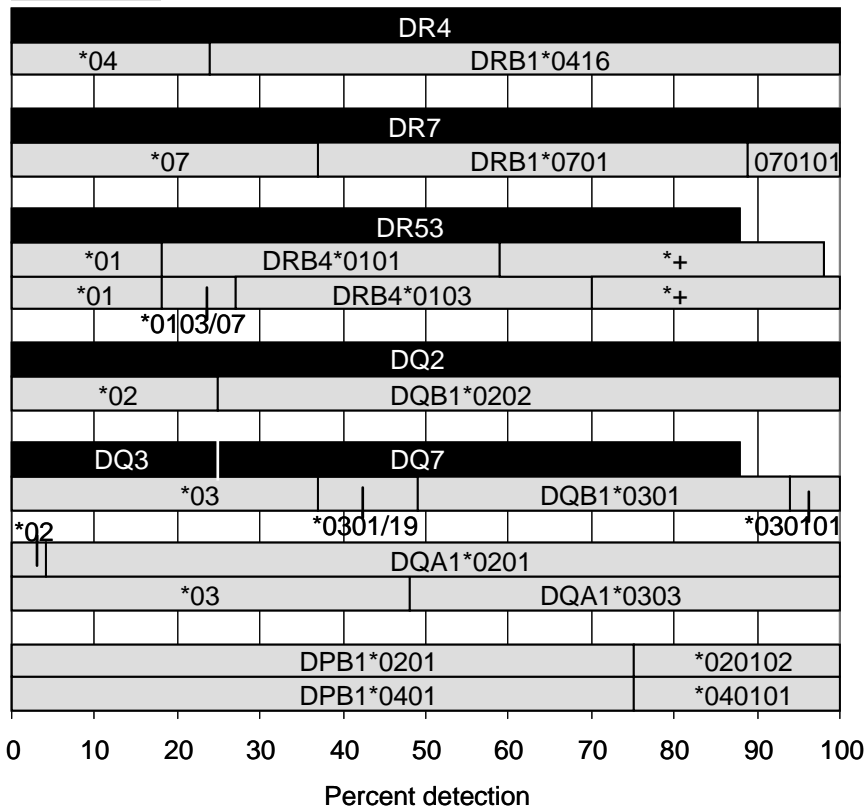
The haplotypes were A\*6802-B\*4402-Cw\*0701/06-DRB1\*0426-DRB4\*0103-DQB1\*0302-DQA1\*0301 and A\*3201-B\*0801-Cw\*0102-DRB1\*0301 (\*030101)-DRB3\*0101-DQB1\*0201-DQA1\*0501, based upon family studies by Smith and exchange data.

DPB1\*0301 (76%) and DPB1\*0401 (95%) were detected in this cell. In this retyping, almost a quarter of the labs did not differentiate between DPB1\*0301 and DPB1\*0502. In the 2005 typing, van den Berg-Loonen resolved DPB1\*030101 from DPB1\*0502 by SBT of exon 4.



**8 Serology labs B-CELL LINE TER-424 (Caucasian)**

71 DNA labs



**TER-424.** This Caucasian cell was BEL5GB, the reference DRB1\*0416 cell (2), and was typed in the workshops as IHW#9320. It was previously typed twice in the Cell Exchange, as TER-260 (2000) and TER-304 (2002), as correctly identified by Ball, Hahn, Lopez-Cepero, Mah, Stamm, and Tiercy.

DRB1\*0416 was reported by 76% in this present retyping.

The second DRB1 type, DRB1\*0701, was detected by 63%.

DR4 and DR7 were assigned in complete consensus.

The DQA1 types were DQA1\*0201 (96%) and DQA1\*0303 (52%).

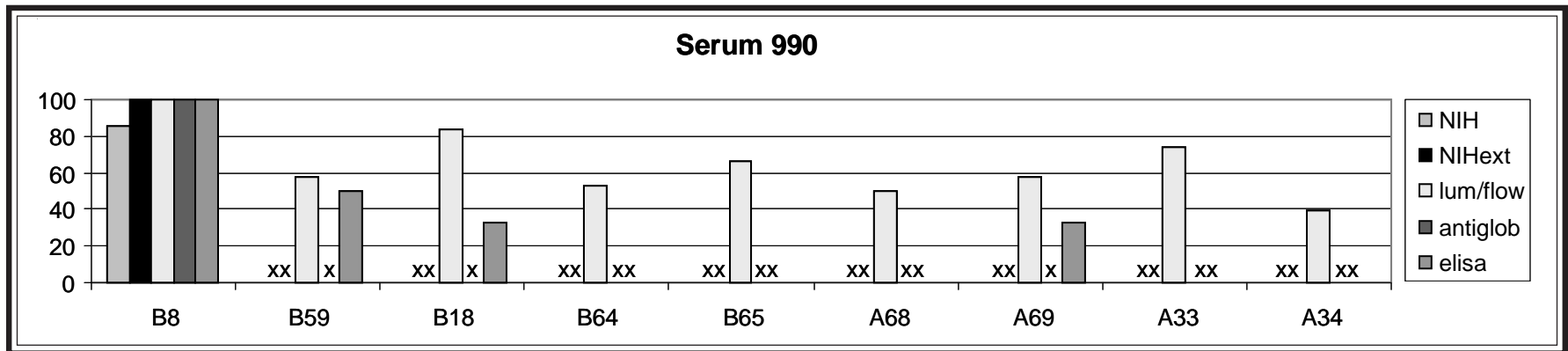
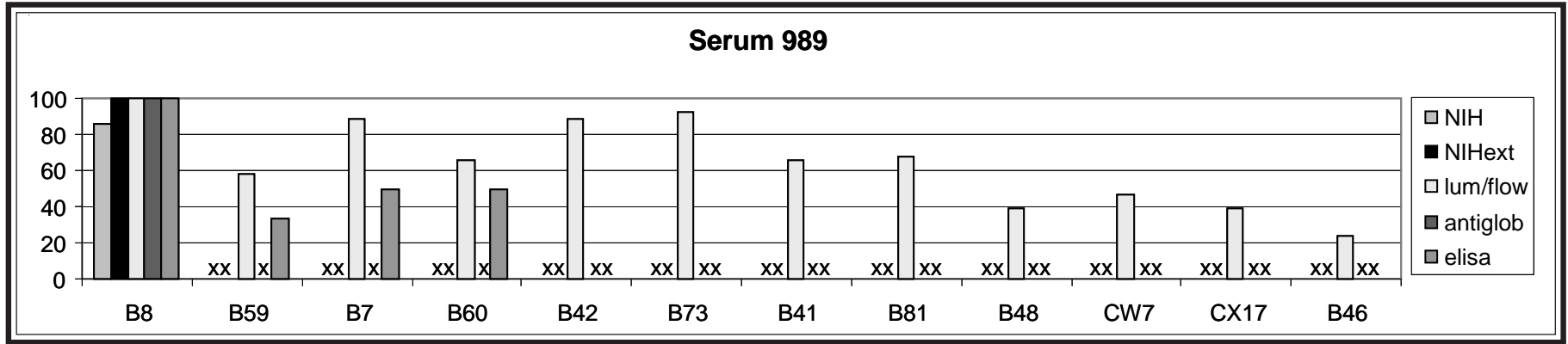
The probable haplotypes in this cell were A\*0201-B\*4402-Cw\*05-DRB1\*0416-DRB4\*0103-DQB1\*0301-DQA1\*0303 and A\*2902-B\*4403-Cw\*1601-DRB1\*0701-DRB4\*0101-DQB1\*0202-DQA1\*0201, based upon family studies by Middleton et al. (2) and exchange results.

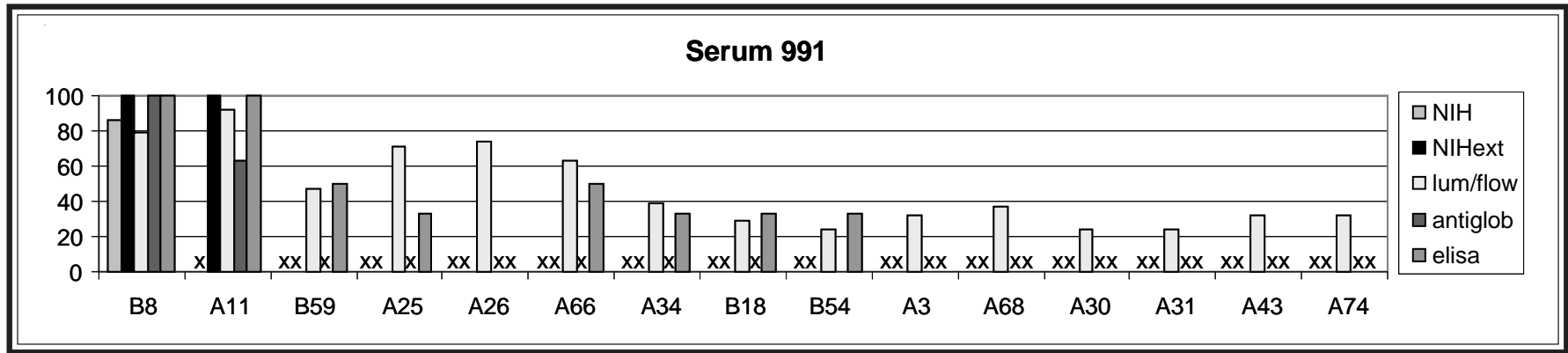
DPB1\*0201 (\*020102) and DPB1\*0401 (\*040101) were assigned by 100%.

## Serum Exchange

This month's study featured antisera (**sera 989-992**) strongly positive to B8 by all methods. Three of the 4 antibodies, **sera 989, 990, and 992**, were operatively monospecific to B8 by NIH and antiglobulin methods. The fourth

antibody, **serum 991**, reacted as a monospecific B8 antiserum by standard NIH, whereas by extended NIH and antiglobulin, it reacted strongly positive to A11 in addition to B8, as also reported by Luminex, flow, and ELISA labs.



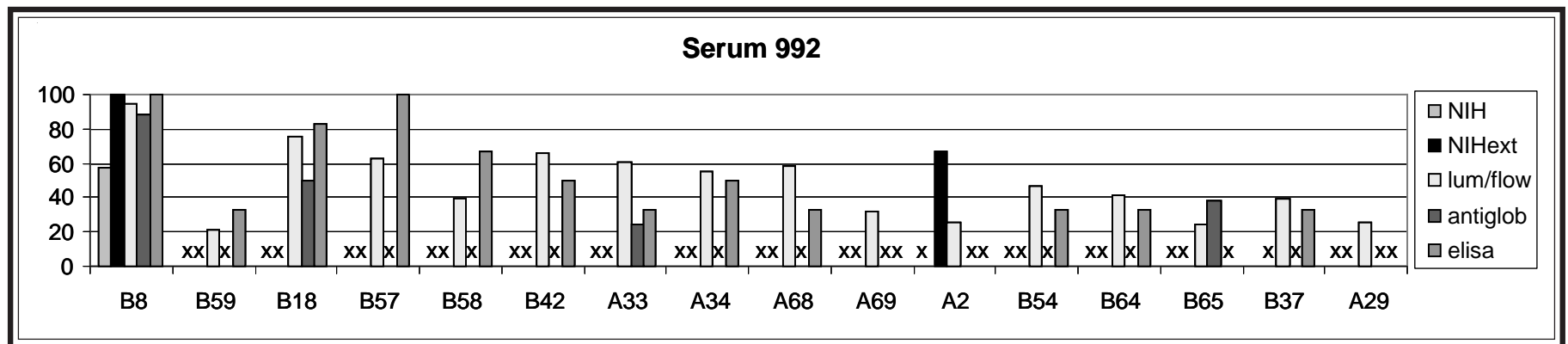


B59 and other additional specificities (see below) were detected by Luminex, flow, and ELISA, resulting in different crossreacting groups:

serum 989: B7, B60, B42, B73, B41, B81, correlating to an epitope at codon 178  
 serum 990: B18, B14, and A28, A33  
 serum 991: A10 (A25, A26, A66, A34), A43, and weakly to various A19 specificities

serum 992: B18, B17, B42, and A33, A34, A28, and other specificities

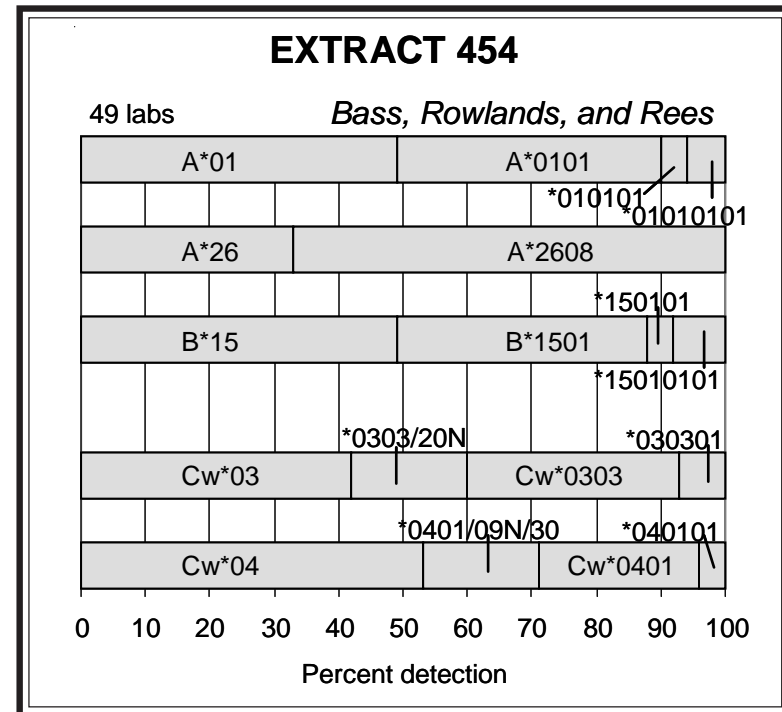
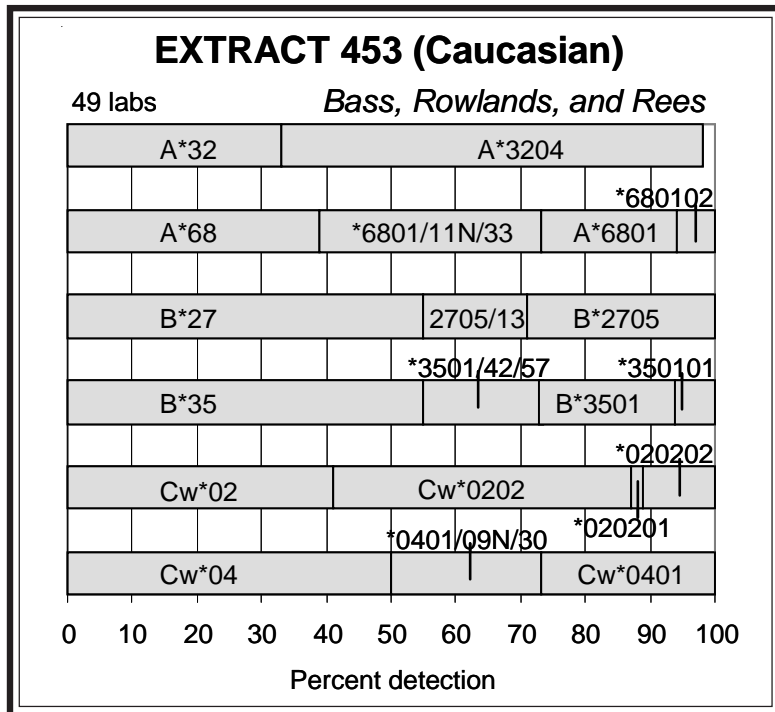
Serum 992 was previously tested as serum 878 in the last B8 study in 2005. Serum 990 demonstrated a reactivity pattern similar to that of serum 879 in the same 2005 study.



## Extract Exchange

We are grateful to **Helen Bass, Jane Rowlands, and Tracey Rees, Wales Blood Service**, for contributing numerous cells of great interest to study in

our exchange studies.



**Extract 453.** The rare A\*3204 was present in this Caucasian cell, as detected by 66%. Ellis et al. (3) described A\*3204 with the following comments, "Sequence is ten nucleotides different from A\*3201 and ten from A\*03011. Exon 2 is one nucleotide different from exon 2 of A\*3201 while exon 3 is identical to exon 3 of A\*03011." The observed serologic expression of the antigen encoded by A\*3204 is of strong anti-A3 and varied anti-A32 reactivity, as listed in the 2008 HLA dictionary (4).

A\*6801 (26%) was the second A-locus allele.

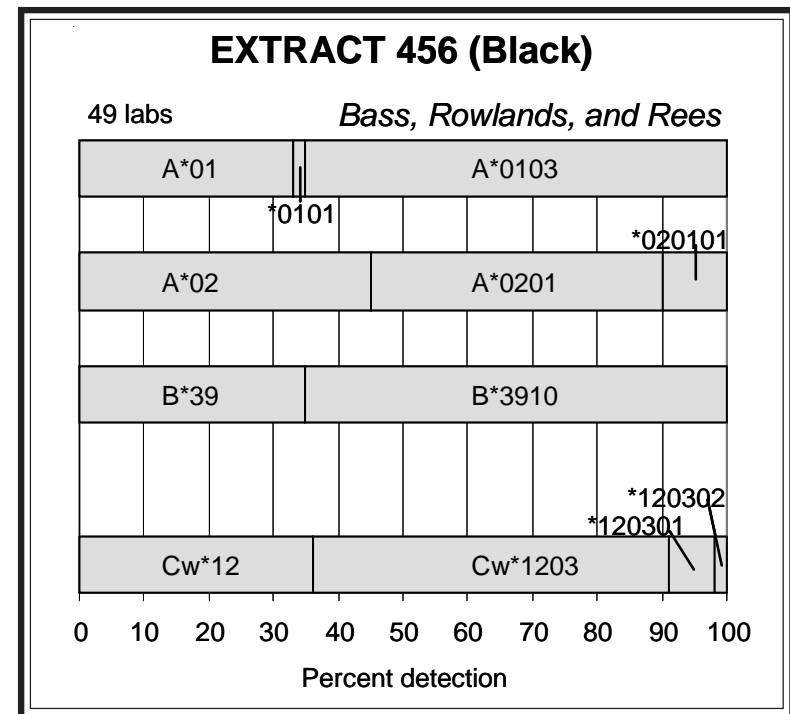
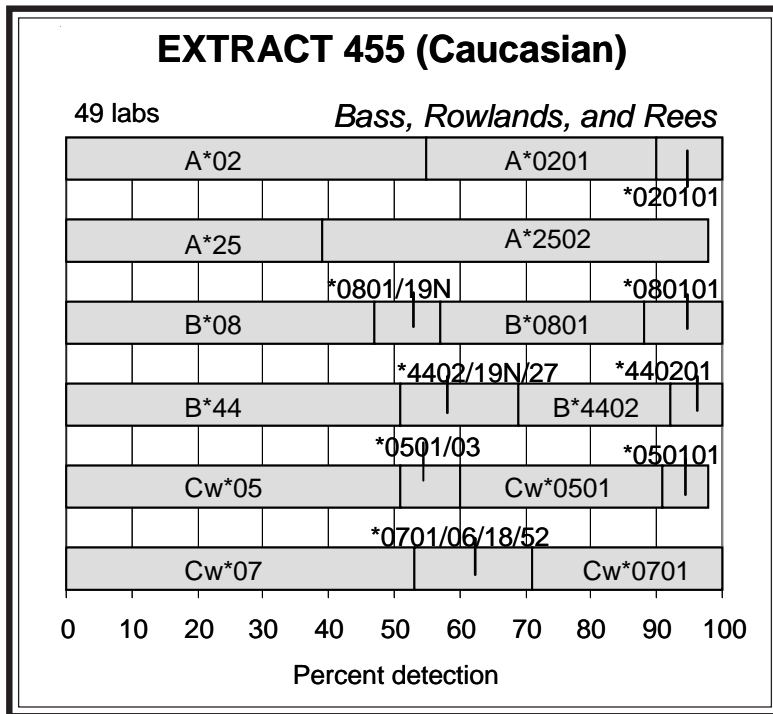
B\*2705 and B\*3501 were reported by 26%.

Ellis et al. also said that a A\*3204-B\*35 association was possible since they observed that all six A\*3204 cells that had B-locus results were typed as B\*35. B\*3501 was detected in this present cell and extract 393, another A\*3204 cell typed in 2007. Therefore, the possible haplotypes in this individual may be A\*3204-B\*3501-Cw\*0401 and A\*6801-\*2705-Cw\*0202.

**Extract 454.** A\*2608 (68%) was typed for the first time in the Cell Exchange. In sequencing this A\*26 allele, Szmania and Baxter-Lowe (5) said, "The nucleotide sequence of HLA-A\*2608 (local designation A26-W652D) is identical to A\*2601 with the exception of nucleotide substitutions of TG for CA at positions 538 and 539, respectively. This difference results in a single amino acid substitution of nonpolar tryptophan (W) by polar glutamine (Q) at codon 156." The other A-locus type was A\*0101 (52%).

B\*1501, as assigned by 52%, was the sole B-locus allele.

Cw\*0303 (40%) and Cw\*0401 (28%) were detected. Two associations, the common B\*1501-Cw\*0303 and B\*1501-Cw\*0401, commonly found in Asians, were present.



**Extract 455.** This cell from a Caucasian donor was TW, the reference cell for the rare A\*2502, as correctly identified by Moses and Dunckley. This donor was previously typed as extract 253 in 2003, as noted by Barnardo, Brown, and Moses and Dunckley.

In this present retyping, 60% assigned A\*2502.

The second A-locus allele was A\*0201 (46%).

B\*0801 (44%) and B\*4402 (32%) were the B-locus alleles.

The C-locus types were Cw\*0501 (37%) and Cw\*0701 (28%).

Another A\*2502 reference cell from an unrelated donor is M54672, also from a Caucasian donor, and the IMGT/HLA Database lists its class I typing as A\*2502, A\*68, B\*08, B\*1402, Cw\*0701, Cw\*08. From the typings of both reference cells, it appears A\*2502 may be on the same haplotype with B\*0801 and Cw\*0701. The other haplotype in this cell then may be the commonly found A\*0201-B\*4402-Cw\*0501.

**Extract 456.** This Black donor was MA-31750, (also named 31750), the

reference cell for B\*3910, as correctly identified by Brown, and Moses and Dunckley. This cell was previously studied as extract 283 (2004). Other B\*3910 exchange cells were extract 212 (also extract 64, cells 985 and 1045) and cell 1335 (also cells 1251 and 1296), both from Black individuals.

In this present retyping, B\*3910 was detected by 65%, an increase over the 47% detection level in 2004. There are 2 nucleotide differences between B\*3910 and B\*390101, a silent difference (GAA→GAG) at position 246, codon 58, whereas the difference of TGC to TAC at position 272, results in an amino acid change of cysteine to tyrosine at codon 67.

A\*0103 was assigned by 66%.

Cw\*1203 was reported by a total of 65%, with 7% assigning Cw\*120301 and 2% assigning Cw\*120302. The B\*3910-Cw\*1203 association was present in the 3 B\*3910 donors typed so far in the Cell Exchange.

This cell was also typed as TER-355 for class II as: DRB1\*0701, DRB1\*0804, DRB4\*0103, DQB1\*0202, DQB1\*0301, DQA1\*0201, DQA1\*0505, DPB1\*0201, DPB1\*1101.

## Cell Exchange

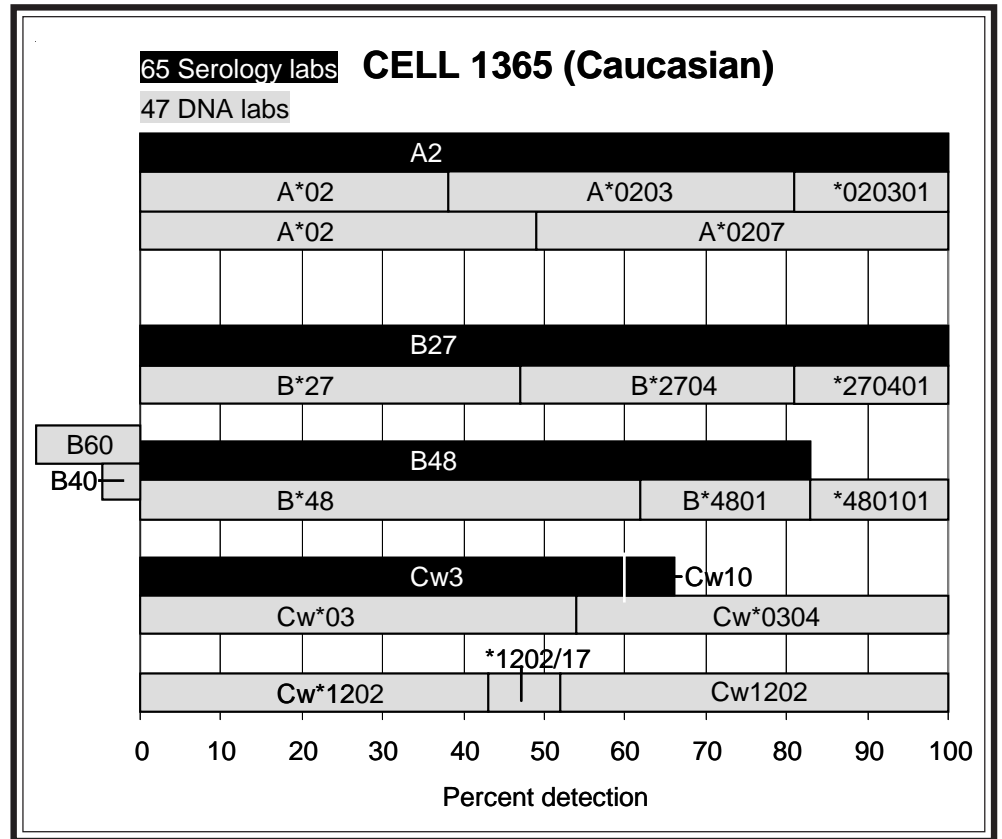
**Cell 1365.** B27 was typed in complete consensus in this Chinese donor, and was corroborated as B\*2704 (53%). B\*2704 was previously typed in cells 1227 (2005), extract 134 (2000), and extract 252 (2003). Cell 1227 and extract 252 were from Chinese individuals.

Two A2 (100%) subtypes predominantly found in Asian populations, A203 and A207, were present. A\*0203 was assigned by 52% and A\*0207 by 51%.

B48 (83%) was verified as B\*4801 (38%). Abbal, Anthony Nolan Trust, Holdsworth, Pollack, and Semana observed extra reactivity with anti-B40 and -B60 antisera.

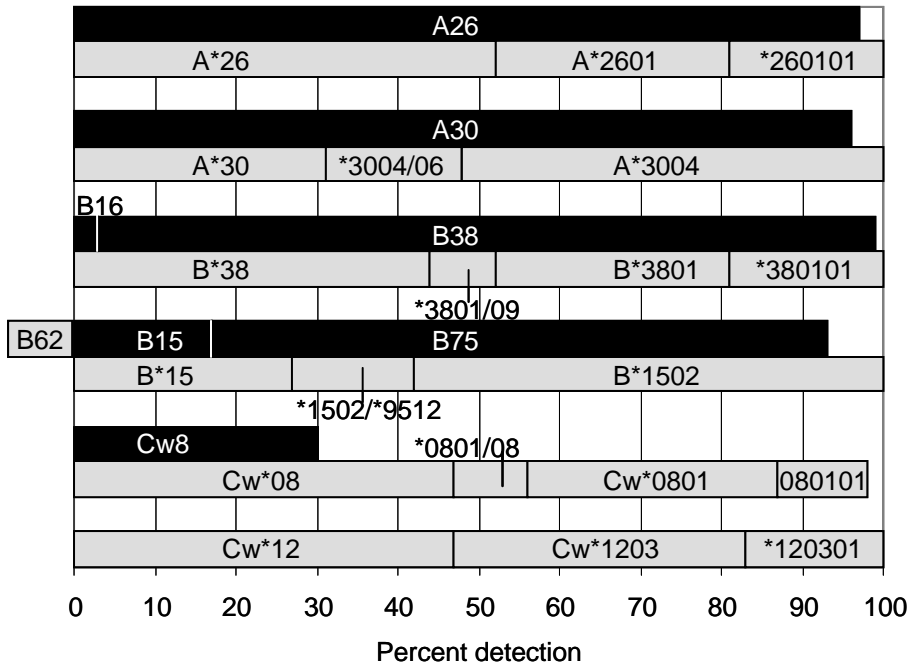
The Cw3 (46%) split of Cw10 was confirmed as Cw\*0304.

B\*2704-Cw\*1202 was one likely association, as found in the 3 previous B\*2704 exchange cells. The other association, B\*4801-Cw\*0304, is not as commonly found as B\*4801-Cw\*0801 or B\*4801-Cw\*0803.



**70 Serology labs CELL 1366 (Caucasian)**

48 DNA labs



**Cell 1366.** B75 (76%) was detected in this cell from a Caucasian individual. McCluskey, Pollack, and Rubocki noted reactivity with both B75 and B62 antisera. B\*1502 was reported by 58%.

B38 (96%) was the second B-locus antigen, validated as B\*3801 (48%).

A26 and A30 were assigned by 96%, confirmed as A\*2601 (48%) and A\*3004 (52%), respectively.

Cw8 (30%) was verified as Cw\*0801 by 42%. The other C-locus type was Cw\*1203 (53%), with 15% assigning Cw\*120301.

The probable haplotypes in the cell were A\*2601-B\*3801-Cw\*1203 (HF=0.0170) (6) and A\*3004-B\*1502-Cw\*0801.



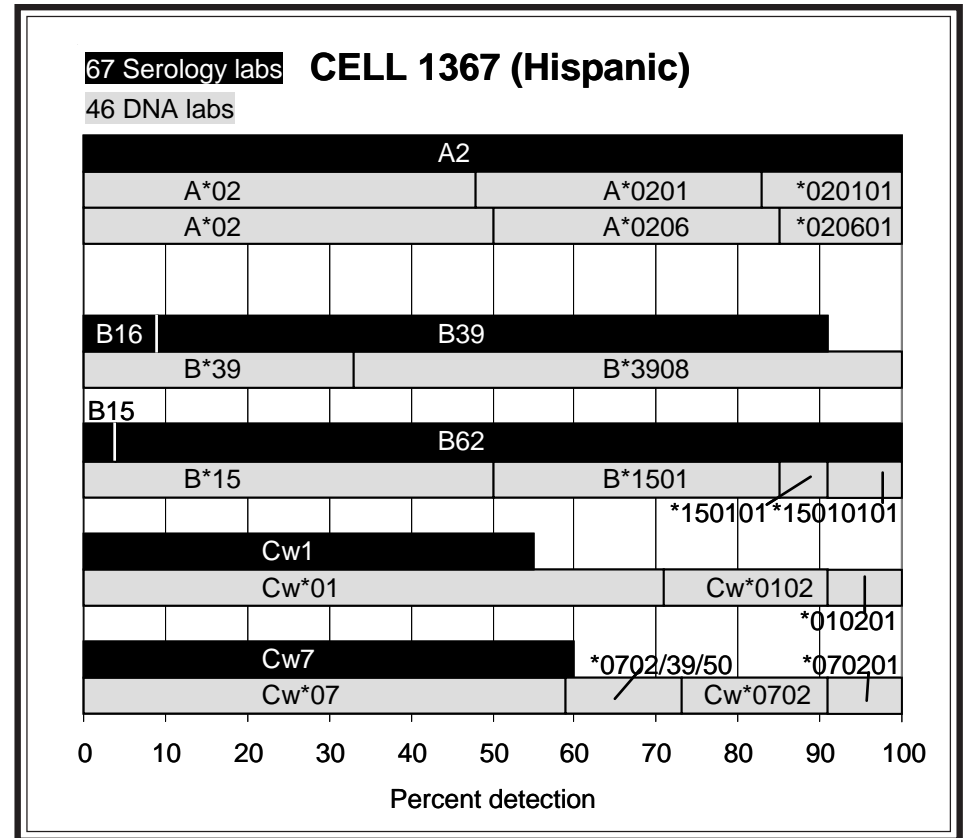
**Cell 1367.** This Hispanic donor was previously typed as cell 1348 last year, as commented by Barnardo, Moses and Dunckley, Harville, Lopez-Cepero, Mah, and McAlack.

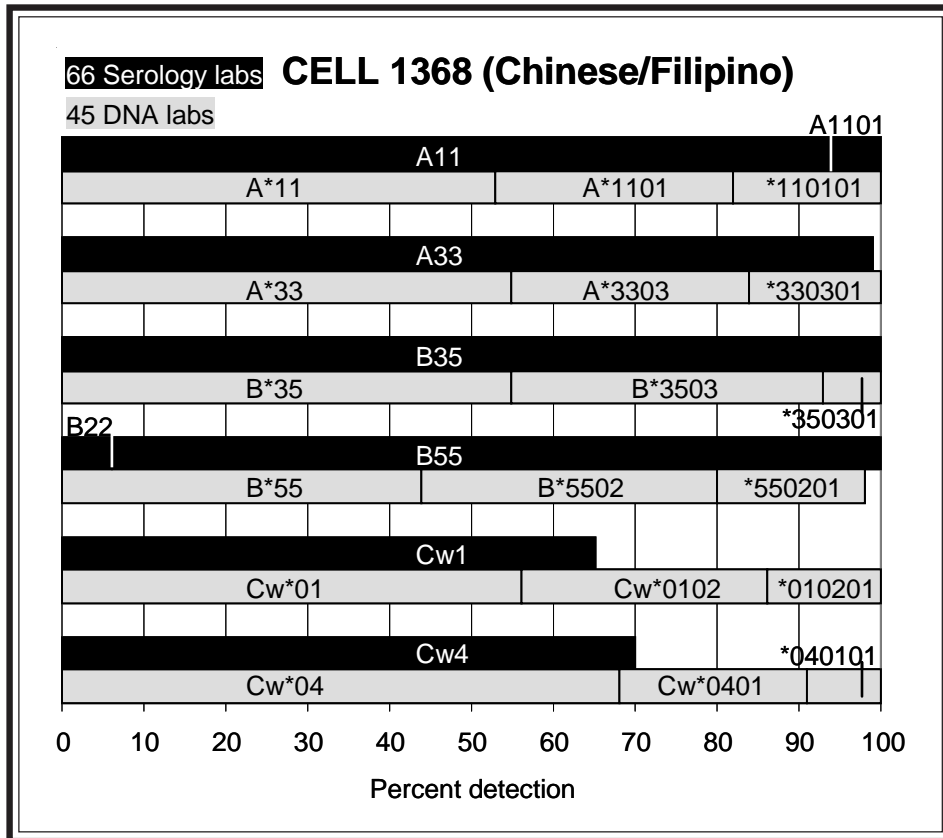
In this present retyping, B39 was assigned by 82%, similar to the 76% detection level in 2008. Comments of shorter reactivity with anti-B39 antisera and crossreactivity with anti-B38 sera were received from Abbal, Dunn, Esteves Kondo, Holdsworth, Lopez-Cepero, McAlack, McCluskey, and Pollack. Esteves Kondo said that the B39 reactivity pattern was similar to that of cell 1337, another B3908 cell. The variant was reaffirmed as B\*3908 by 67%.

B62 was detected by 96%, confirmed as B\*1501 (50%).

Cw1 (55%) and Cw7 (60%) were the C-locus antigens, corroborated as Cw\*0102 (29%) and Cw\*0702 (27%), respectively.

The probable associations in this cell were B\*3908-Cw\*0702 and B\*1501-Cw\*0102.





**Cell 1368.** This Chinese and Filipino donor was previously typed as cell 1368 (2008), as noted by Barnardo, Moses and Dunckley, Harville, Israel, Lopez-Cepero, and Stamm.

B55 (94%) was validated as B\*5502 (54%) in this retyping. Walter Reed AMC commented that the anti-B55 reactivity pattern was short; Anthony Nolan Trust commented that a unique reaction pattern for B5502 was observed using monoclonals.

B35 was assigned in complete agreement and verified as B\*3503 by 45%.

B35-Cw4 and B55-Cw1, that is, B\*3503-Cw\*0401 and B\*5502-Cw\*0102, were the likely associations in this cell.

## References

1. Buyse IM, Ouellet S, and Hashemi-Tavoularis S. Identification of novel DRB1\*13 (DRB1\*1333), DRB1\*04 (DRB1\*0426) and DRB5\* (DRB5\*0109) alleles. Tissue Antigens 1998;51:658.
2. Middleton D, Hughes DJ, Trainor F, et al. An HLA-DRB1\*04 first domain sequence (DRB1\*0416) which differs from HLA-DRB1\*0401 at codon 59. Tissue Antigens 1994;43:44.
3. Ellis J, Steiner N, Kosman C, et al. Seventeen more novel HLA-A locus alleles. Tissue Antigens 1999;55:369.
4. Holdsworth R, Hurley CK, Marsh SGE, et al. The HLA dictionary 2008: a summary of HLA-A, -B, -C, -DRB1/3/4/5, and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. Tissue Antigens 2009;73:95.
5. Szmania S and Baxter-Lowe LA. Nucleotide sequence for HLA-A\*2608 which encodes glutamine at codon 156. Tissue Antigens 1996;48:210.
6. Cao K, Hollenbach J, Shi X, et al. Analysis of the frequencies of HLA-A, B, and C alleles and haplotypes in the five major ethnic groups of the United States reveals high levels of diversity in these loci and contrasting distribution patterns in these populations. Hum Immunol 2001;62:1009.

*Important reminder: There are no shipments in July.*

**NEXT MAILING DATE: August 5, 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)		Gautreaux,Dr Michael	Winston-Salem NC	Ozawa,Mikki	Los Angeles CA
Fischer & Mayr, Drs	Vienna	Gideoni,Osnat	Haifa	Pais,Dr Maria Luisa	Coimbra
Abbal,Prof Michel	Toulouse Cedex	Gillespie,Dr Kathlee	Bristol	Park MD,Myoung Hee	Seoul
Adams,Sharon	Bethesda MD	Gladman/Pellett,	Toronto ON	Passey,Ben	Liverpool
Allegheny General Ho	Pittsburgh PA	Goggins,R.	New Haven CT	Pereira,Noemi Farah	Curitiba Paran
Alonso,Antonio	Malaga	Gomez,Carmen	Miami FL	Permpikul & Vejbaesy	Bangkok
Alvarez & Carrett,Dr	Montevideo	Graff,Dr Ralph J.	St Louis MO	Phelan,Donna	St Louis MO
Amole,Folasade	Miami FL	Hahn PhD,Amy B.	Albany NY	Pidwell PhD,Diane J.	Cleveland OH
Anthony Nolan Trust	London England	Hajeer,Dr Ali	Riyadh	Pollack PhD,Marilyn	San Antonio TX
Baker,Judy	Dallas TX	Hamdi,Dr Nuha	Riyadh	Rajczyk,Dr Katalin	Budapest
Balazs,Ivan	Stamford CT	Han,Dr Hoon	Seoul	Ray,Bryan	Stamford CT
Ball,Dr Edward	London ON	Harville,Dr Terry	Little Rock AR	Reed PhD,Elaine F.	Los Angeles CA
Barnardo,Dr Martin	Oxford England	Henrico Doctors' Hos	Richmond VA	Reed PhD,Elaine F.	Los Angeles CA
Baxter-Lowe,Dr Lee A	San Francisco CA	Hidajat,Dr M.	Brugge	Rees,Dr Tracey	Pontyclun Wale
Berka PhD,Noureddine	Washington DC	Hirankarn MD PhD,Nat	Bangkok	Reinke MD,Dennis	Bismarck ND
Blasczyk,Prof Rainer	Hannover	Hogan,Dr Patrick	Herston QLD	Reinsmoen PhD,Nancy	Los Angeles CA
Bow PhD,Laurine	Hartford CT	Holdsworth,Rhonda	South Melbourn	Rosen-BronGT,	Washington DC
Brown,Dr Colin	London England	Hsu Phd,Susan H.	Philadelphia PA	Rosen-BronMS,	Hyattsville MD
Burger,Joe	Columbia MO	Hubbell,Charlene	Syracuse NY	Rosenberg MD,J.C.	Ann Arbor MI
Cantwell,Linda	Parkville	Hurley & Hartzma,Drs	Rockville MD	Rubocki PhD,Ronald	Scarborough ME
Carrington & Martin,	Frederick MD	Ichikawa MD PhD,Yasu	Nishinomiya,Hy	Sage,Dr Deborah	London England
Cecka PhD,J.Michael	Honolulu HI	Israel,Dr Shoshana	Jerusalem	Sauer & Gottwald,	Lich
Cecka PhD,Michael	Los Angeles CA	Jackson,Dr Annette	Baltimore MD	Schroeder MD,M.L.	Winnipeg MB
Chan MD,Prof Soh Ha	Singapore	Jaramillo PhD,Andres	Elmhurst IL	Scornik,Dr Juan C.	Gainesville FL
Charlton PhD,Ronald	Jacksonville FL	Kamoun MD,Malek	Philadelphia PA	Semana MD PhD,Gilber	Rennes
Charron,Prof D.	Paris Cedex 10	Kato MD,Shunichi	Isehara,Kanaga	Senitzer PhD,David	Duarte CA
Chen,Dr Dong-Feng	Durham NC	Keown MD,Paul	Vancouver BC	Seoul Red Cross Hosp	Seoul
Choo MD,Yoon	Valhalla NY	Kim,Prof Tai-Gyu	Seoul	Shainberg PhD,Bracha	Rehovot
Christiansen & Wit,	Perth - West A	Klein MD,Jon	Louisville KY	Sheikh PhD,Maqsood	Springfield NJ
Claas,Prof F.H.J.	Leiden	Klein,Dr Tirza	Petach Tikva	Sinnott & Gupta,	London
Clark,Dr Brendan	Leeds England	Klotsch PhD,Katja	Berlin	Smith/MI,	Ann Arbor MI
Cohen,Prof JHM	Reims Cedex	KuKuruga PhD,Debra	Baltimore MD	Snider PhD,Denis	Buffalo NY
Colombe PhD,Beth W.	Philadelphia PA	Kusnierczyk PhD,Piot	Wroclaw	Spannagl,Dr Michael	Munich
Cooper MD,E. Shannon	Jefferson LA	Kvam,Vonnett	Waukesha WI	Sperry PhD,Roxanne	Phoenix AZ
Costeas,Dr Paul A.	Nicosia	Land,Dr Geoffrey A.	Houston TX	Spyropoulou-Vla,Dr M	Athens
Crowe PhD,Deborah	Nashville TN	Lardy,Dr N.M.	Amsterdam	Stamm,Luz	Calgary AB
Daniel PhD,Claude	Laval PQ	Lebeck PhD,Lauralynn	San Diego CA	Stastny MD,Peter	Dallas TX
Daniel,Dr Dolly	Tamil Nadu	Lee Phd,Kyung Wha	Anyang,Kyungki	Suciu-Foca PhD,Nicol	New York NY
Davidson & Poulton,D	Manchester, En	Lee,Dr Jar-How	Canoga Park CA	Sullivan PhD,Karen	New Orleans LA
Davis PhD,Mary	Stamford CT	Leech MD PhD,Stephen	Philadelphia PA	Tagliere,Jacque	Los Angeles CA
del Pozo,Dr Ana	Buenos Aires	Lim MD,Young Ae	Suwon	Tavoularis,Dr Sofia	Ottawa ON
Dhaliwal,Dr J.S.	Kuala Lumpur	Lo MD,Raymundo W.	Quezon City	Thoni MD,Deborah	Orlando FL
Dinauer,David	Brown Deer WI	Loewenthal MD PhD,Ro	Tel-Hashomer	Tiercy,Dr Jean-Marie	Geneva 14
Dormoy,Dr Anne	Strasbourg	Lopez-Cepero PhD,May	Tampa FL	Tilanus,Prof Marcel	Maastricht
Du PhD,Keming	Shanghai	MacCann,Eileen	Providence RI	Trachtenberg PhD,Eli	Oakland CA
Du Toit,Prof Ernette	Observatory	Madrigal,Dr J.A.	London England	Trowsdale,Prof John	Cambridge
Dunckley PhD,Heather	Sydney NSW	Mah,Helen	Boston MA	Turner PhD,E.V.	Memphis TN
Dunk,Arthur	Lauderhill FL	Mani,Dr Rama	Chennai,Tamil	Tyan,Dr Dolly	Palo Alto CA
Dunn,Dr Dale	Lubbock TX	Marsh,Dr Steven	London England	Uhrberg,Dr Markus	Dusseldorf
Dunn,Dr Paul	Auckland	Masuo,Kiyoe	Tokyo	Varnavidou-Nico,Dr A	Nicosia
Dupont MD,Bo	New York NY	McAlack PhD,Robert	Philadelphia PA	Vidan-Jeras,Blanka	Ljubljana
		McAlack-Balasub,	Philadelphia PA	Vilches,Dr Carlos	Madrid
		McCluskey,Prof James	Adelaide	Walter Reed Army Med	Washington DC

Eckels/CPMC,	San Francisco	CA	McIntyre PhD,John A.	Beech Grove	IN	Wassmuth,Prof Ralf	Dresden	
Eckels/Utah,	Salt Lake City	UT	Merenmies MD PhD,Jus	Helsinki		Watkins PhD,David I.	Madison	WI
Elkhalifa MD PhD,Moh	Riyadh		Meyer,Pieter Wa	Pretoria, Gaut		Wetmore,Marilyn	Allentown	PA
Ellis PhD,Thomas	Milwaukee	WI	Moore MD,S.Breannndan	Rochester	MN	Wisecarver PhD,James	Omaha	NE
Endres & Wiltbank,Dr	Tempe	AZ	Mpuntsha,Dr Loyiso	Johannesburg		Yamamori PhD,Shunji	Tokyo	
Esteves Kondo,Debra	Canoga Park	CA	Mytilineos MD,Joanni	Ulm		Yu,Dr Neng	Dedham	MA
Esteves-Kondo,Debra	Canoga Park	CA	Nelson PhD,Karen	Seattle	WA	Zachary PhD,Andrea	Baltimore	MD
Fernandez-Vina & Can	Houston	TX	Noreen,Harriet	Minneapolis	MN	Zeevi PhD,Adriana	Pittsburgh	PA
Fischer,Dr Johannes	Dusseldorf		Norin,Dr Allen	Brooklyn	NY			
Gardiner PhD,Clair M	Dublin		Olerup,Olle	Saltsjobaden				

B-CELL LINE TER-423

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0301	*0426			*0201	*0302					P-RVSSO,SSP
5488 Adams,Sharon	*030101	*0426	*01	*01	*020101	*030201	*0301	*0501	*030101	*040101	RSSO,SBT,SSP
2300 Allegheny Ge	*03	*04	**	**	*02	*03	*03	*05			RVSSO
5133 Baker,Judy	*030101	*0426	*0101	*0103	*020101	*030201					SSP,SBT
105 Ball,Edward	*0301	*0426	*0101/12/13	*0103	*0201	*0302	*0301	*0501	*0301	*0401+	P-SSP
2020 Barnardo,Mar	*030101	*0426	*0101/03+	*0101-05+	*020101	*030201	*0301-03	*0501	*030101/*0502	*040101	P-SSP,SBT
774 Cecka,J.Mich	*0301/32+	*0426	*0101	*0103	*0201/05	*0302					SSP
785 Chan,Soh Ha	*030101	*0426	**	*01	*0201/04/05	*0302	*0301-03	*0501/03+			SBT
4492 Charron,D.	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501	*0301	*0401/+	P-SSO,SSP
3224 Chen,Dongfen	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501			SBT,RSSO,SSP
8021 Clark,Brenda	*0301	*0426	*01	*01	*0201	*0302			*0301	*0401	P-SSP,SSO
3632 Colombe,Beth	*0301	*0401	*0101	*0103	*0201	*0302					SSP
3904 Cooper,E.Sha	*030101+	*0426	*0101	*01030101+	*0201	*030201+					P-SSP
5130 Costeas,Paul	*0301/32	*0426	*0101/04	*0103	*0201	*0302	*0301	*0501			SSP
779 Daniel,Claud	*03(DR17)	*04	*01-*03	*01010101+	*02	*03(DQ8)					P-SSP
5219 Daniel,Dolly	*03	*04	**	**	*02	*03					P-SSOP
8052 Del Pozo,Ana	*03	*04									SSO
5323 Dhaliwal,J.S	*0301	*0426	*0101/11	*0104-05+	*02	*03					P-SSP
4269 Dormoy,Anne	*030101	*0426	*010102	*0103	*0201	*0302			*0301	*0401	
5891 Du,Keming	*0301	*0426			*0201	*0205					P-SBT
856 Dupont,Bo	*0319	*0426	*01	*0101-0302+	*0201	*0302/05+					SSP,SSO
5214 Eckels/CPMC	*03(DR17)	*04	*01	*01	*02	*0302	*0301	*0501			SSOP
3428 Eckels/Utah	*0301	*0426			*0201/03/05	*0302	*0301	*0501			SSOP
4251 Ellis,Thomas	*0301	*0426	*01	*0101/03+	*0201	*0302			*0301/*0502	*0401	P-SSO,SEQ
3135 Fischer,John	*0301	*0426	*0101	*0103	*0201	*0302			*0301	*0401	SBT,P-SSP
762 Fischer/Mayr	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501			RSSO,SSP,LBT+
8043 Gideoni,Osna	*0301	*0401			*0201	*0302					SSO,SSP
910 Hahn,Amy B.	*0301/32+	*0426	*0101	*0103	*0201/05	*0302					SSP
4691 Hajeer,Ali	*03	*04	**	**	*02	*03					SSO
810 Hamdi,Nuha	*030501	*0413			*020101	*030201					SSO
1461 Hidajat,M	*0301	*0426	*0101	*0103	*0201	*0302			*0301	*0401	SSO,SSP
2344 Hurley/Hartz	*03010101+	*0426			*020101	*030201			*030101/*0502	*040101	SBT
771 Israel,Shosh	*0301	*0426			*0201	*0302					P-SSP
748 Jaramillo,An	*03(DR17)	*04	**	**	*02	*03(DQ8)					P-SSP
859 Kamoun,Malek	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501			P-SSO,SSP
797 Kato,Shunich	*0301	*0426			*0201-03+	*0302					SSO,+SBT-DR
4337 Kim,Tai-Gyu	*0301	*0426			*0201	*0302			*0301	*0401	SBT
168 Klein,Tirza	*0301	*0401			*0201	*0302					P-SSP,SSO
87 Land,Geoffre	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501	*0301	*0401	SBT,SSP,SSO
725 Lardy,N,M.	*03	*04	**	**	*02	*03	*030101	*0501			SSO,SSP
278 Lee,Jar-How	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501	*0301	*0401	SSP,RVSSOP
640 Lee,Kyung Wh	*0301	*0426			*0201	*0302	*030101	*050101			P-SBT
6649 Lim,Young Ae	*03	*04	**	**							P-SSP
274 Lo,Raymundo	*0301	*04	**	**	*02	*0302					SSP
731 Loewenthal,R	*030101	*0426/0101			*0201	*0302					SBT,SSO
759 Lopez-Cepero	*0301/05+	*0401/13+			*0201/03/05	*0302	*0301	*0501	*0301/*0502	*0401	RVSSO
23 Mah,Helen	*0301	*0426	*01	*01	*0201	*0302	*0301	*0501			RVSSO,SSP
8029 Mani,Rama	*03	*04	**	**	*02	*03					P-SSP
9916 McIntyre,Joh	*030101	*0426	*0101/12/13	*0103	*0201	*0302					SSP,SBT
792 Moore,S.Brea	*0301	*04	*0101	*0103	*0201	*0302	*0301	*0501			P-SSO,SSP
5096 Park,Yun Mi	*03	*04									P-SSO
3648 Pereira,Noem	*030101	*0426			*0201	*0302					RSSO,SSP,SBT
3966 Permpikul&Ve	*0301	*0426	*0101	*0103	*0201	*0302					P-SSP
2400 Phelan,Donna	*0301	*0426	*01	*0103	*0201	*0302					RSSO,SSP,SBT
4689 Rajczy,Katal	*0301	*0426	*0101/12/13	*0103	*0201	*0302					P-SSP
3753 Reed,Elaine	*0301	*0426	*0101	*0103	*0201	*0302	*0301	*0501			SBT,SSP,SSO
3625 Rees,Tracey	*0301/20	*0426	*01	*01	*0201	*0302	*03	*05	*0301/*0502	*0401	P-SSP

B-CELL LINE TER-423

CTR DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
3798 Reinsmoen,N	*030101	*0426	*0101	*0103	*0201/05	*0302	*030101	*0501	*0301	*0401	SBT,SSOP,SSP
1160 Rosen-BronGT	*0301	*04	*0101	*01	*02	*0302					RVSSO,SSP
793 Rubocki,Rona	*03	*04	*+	*+	*02	*03(DQ8)					
8042 Shainberg,Br	*0301	*0426			*0201/05	*0302					
8001 Sheikh,Maqso	*0301	*0426	*0101	*0103	*0201/05	*0302					
735 Smith/MI	*0301	*0426	*+	*+	*0201/05	*0302	*0301	*0501	*0301	*0401	SSP,RVSSOP
746 Stamm,Luz	*0301	*0426	*01	*01	*0201	*0302					RVSSO,SSP
13 Tagliere,Jac	*0301	*0426	*0101	*0103	*0201	*0302					SSP
747 Tiercy,Jean-	*030101	*0426	*0101	*0103	*0201	*030201			*030101	*040101	SSO,SSP,SBT
5451 Tilanus,Marc	*030101	*0426	*010102	*01030101	*020101	*030201	*030101	*050101	*030101	*040101	SBT
4021 Trachtenberg	*03	*04	*01	*01/*0201N	*0201	*03					RVSSO
5462 Turner,E.V.	*0301	*0426	*0101	*0103	*0201	*0302			*0301	*0401	SSP,SSO,SEQ
5642 Varnavidou-N	*0301	*0426	*+	*+	*0201/04	*0302					P-SSP
705 Watkins,Dav	*0301	*0426	*0101/02+	*01	*0201	*0302					SSO,SEQ
3511 Zeevi,Adrian	*0301	*0401	*0101	*0103	*0201	*0302	*0301	*0501	*0301	*0401	RVSSOP,SSP

CTR DIRNAME	DR17	DR4	DR52	DR53	DQ2	DQ8	OTH1	OTH2
4492 Charron,D.	DR3	+	+	+	+	DQ3		
3904 Cooper,E.Sha	+	+	+	+	+	+		
910 Hahn,Amy B.	+	+	+	+	+	+		
4908 Kvam,Vonnett	+	+	+	+	+	+		
54 McAlack,Robe	+	+	+	+	+	+		
8004 Pais,Maria L	+	+	+	+	+	+	DQ4	
2400 Phelan,Donna	+	+	+	+	+	+		
793 Rubocki,Rona	DR3	+	+	+	+	+		

B-CELL LINE TER-423 (Caucasian)

72 DNA LABS

72 LABS REPORTING DRB1

DRB1*03	27%
DRB1*0301	54%
DRB1*030101	17%
DRB1*030501	1%
DRB1*0319	1%
DRB1*03	100% TOTAL

DRB1*04	25%
DRB1*0401	6%
DRB1*0413	1%
DRB1*0426	68%
DRB1*04	100% TOTAL

55 LABS REPORTING DRB3

DRB3*+	23%
DRB3*0101	42%
DRB3*010102	4%
DRB3*01	31%

55 LABS REPORTING DRB4

DRB4*+	23%
DRB4*0103	51%
DRB4*01030101	2%
DRB4*01	24%

8 SEROLOGY LABS

DR3	25%
DR17	75%
DR3	100% TOTAL

DR4	100%
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DR52	100%
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DR53	100%
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69 LABS REPORTING DQB1

DQB1*02	24%
DQB1*0201/05	9%
DQB1*0201	58%
DQB1*020101	9%
DQB1*02	100% TOTAL

DQB1*03	16%
DQB1*0302	73%
DQB1*030201	10%
DQB1*03	99% TOTAL

25 LABS REPORTING DQA1

DQA1*03	16%
DQA1*0301	68%
DQA1*030101	16%
DQA1*03	100% TOTAL

DQA1*05	12%
DQA1*0501	80%
DQA1*050101	8%
DQA1*05	100% TOTAL

21 LABS REPORTING DPB1

DPB1*0301/*0502	14%
DPB1*030101/*0502	10%
DPB1*0301	62%
DPB1*030101	14%

DPB1*04	5%
DPB1*0401	71%
DPB1*040101	24%
DPB1*04	100% TOTAL

DQ2	100%
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DQ3	13%
DQ8	75%

DQ3	88% TOTAL
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B-CELL LINE TER-424

CTR DIRNAME	DRB1	DRB1X	DRB4	DRB4X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*0416	*0701/16			*0202	*0301					P-SSO,SSP
5488 Adams,Sharon	*0416	*0701	*01		*0202	*030101	*0201	*0303	*020102	*040101	RSSO,SBT,SSP
2300 Allegheny Ge	*04	*07	*+		*02	*03	*02	*03			RVSSO
5133 Baker,Judy	*0416	*070101	*010101	*0103	*0202	*030101					SSP,SBT
105 Ball,Edward	*0416	*0701	*0101/*0301N	*0103	*0202	*0301	*0201	*0303	*0201	*0401+	P-SSP
2020 Barnardo,Mar	*0416	*070101	*0101-05/07		*0202	*0301/22/24	*0201	*0301-03	*020102	*040101	P-SSP,SBT
774 Cecka,J.Mich	*0416	*0701/13-15	*0101	*0103/07	*0202	*0301/19/21+					SSP
785 Chan,Soh Ha	*0401/16	*070101	*01		*0202	*0301/13/19	*0201	*0301-03			SBT
4492 Charron,D.	*0416	*0701	*0101	*0103	*0202/05	*0301	*0201	*0303	*0201	*0401	P-SSO,SSP
3224 Chen,Dongfen	*0416	*0701	*0101	*0103/07	*0202	*0301	*0201	*03			SBT,RSSO,SSP
8021 Clark,Brenda	*0416	*0701	*01/*0201N		*0202	*0301			*0201	*0401	P-SSP,SSO
3632 Colombe,Beth	*0416	*0701	*0101/*0301N	*0103	*0202	*0301					SSP
3904 Cooper,E.Sha	*0416	*070101/13-15	*01010101	*01030101+	*0202	*0301/21/22					P-SSP
5130 Costeas,Paul	*0416	*0701	*0101	*0103	*0202	*0301/19	*0201	*0303			SSP
779 Daniel,Claud	*04	*07	*01010101+		*02	*03(DQ7)					P-SSP
5219 Daniel,Dolly	*04	*07	*+	*+	*02	*03					P-SSOP
8052 Del Pozo,Ana	*0416/26	*07									SSO
5323 Dhaliwal,J.S	*0416	*0701/08-15	*01		*02	*03					P-SSP
4269 Dormoy,Anne	NT										P-SSP,SBT
5891 Du,Keming	*0401	*0701			*0202/03	*0301/04					P-SBT
856 Dupont,Bo	*0416	*0701	*+		*0202	*0301/19/21					SSP,SSO
5214 Eckels/CPMC	*04	*07	*01	*01	*0202	*03(DQ7)	*0201	*03			SSOP
3428 Eckels/Utah	*0416	*0701/03			*0202	*0301/19/22	*0201	*0301-03			SSOP
4251 Ellis,Thomas	*0416	*0701	*0101/03/06		*0202	*0301			*0201	*0401	P-SSO,SEQ
3135 Fischer,John	*0416	*0701	*0101	*0103	*0202	*0301/19			*0201	*0401	SBT,P-SSP
762 Fischer/Mayr	*0416	*0701	*0101	*0103	*0202	*0301	*0201	*0303			RSSO,SSP,LBT+
8043 Gideon,Osna	*0416	*0701			*0202	*0301					SSO,SSP
910 Hahn,Amy B.	*0416	*0701/13-15	*0101	*0103	*0202	*0301/19/21+					SSP
4691 Hajeer,Ali	*04	*07	*+		*02	*03					SSO
810 Hamdi,Nuha	*0416	*070101			*020101	*030101					SSO
1461 Hidajat,M.	*0416	*0701	*0101/*0301N	*0103	*0202	*0301			*0201	*0401	SSO,SSP
2344 Hurley/Hartz	*0416	*07010101/010102			*0202	*030101/19			*020102	*040101	SBT
771 Israel,Shosh	*0416	*0701			*0202	*0301					P-SSP
748 Jaramillo,An	*04	*07	*+		*02	*03(DQ7)					P-SSP
859 Kamoun,Malek	*0416	*0701		*0103	*0202	*0301	*0201	*0301-03			P-SSO,SSP
797 Kato,Shunich	*0416	*0701			*0201/02/04	*0301/09/19+					SSO,+SBT-DR
4337 Kim,Tai-Gyu	*0416	*0701			*0202	*0301			*0201	*0401	SBT
168 Klein,Tirza	*0416	*0701			*0202	*0301					P-SSP,SSO
87 Land,Geoffre	*0416	*0701	*0101	*0103	*0202	*0301	*0201	*0303	*0201	*0401	SBT,SSP,SSO
725 Lardy,N,M.	*04	*07	*+		*02	*03	*0201	*0303			SSO,SSP
278 Lee,Jar-How	*0416	*0701	*0101	*0103	*0202	*0301	*0201	*0303	*0201	*0401	SSP,RVSSOP
640 Lee,Kyung Wh	*0416	*0701			*0202/03	*0301/04/09+	*0201	*0303			P-SBT
6649 Lim,Young Ae	*04	*07	*+								P-SSP
274 Lo,Raymundo	*04	*07	*+		*02	*0301					SSP
731 Loewenthal,R	*0416	*0701			*0202	*030101/19					SBT,SSO
759 Lopez-Cepero	*0416/26	*0701/03/05+			*0202	*0301/19	*0201	*0301-03	*0201/+	*0401	RVSSO
23 Mah,Helen	*0416	*0701	*01		*0202	*0301	*0201	*03			RVSSO,SSP
8029 Mani,Rama	*04	*07	*+		*02	*03					P-SSP
9916 McIntyre,Joh	*0416	*0701	*0101/*0301N	*0103	*0202	*0301					SSP,SBT
792 Moore,S.Brea	*0416	*0701	*0101	*0103	*0202	*0301	*0201	*0303			P-SSO,SSP
5096 Park,Yun Mi	*04	*07									P-SSO
3648 Pereira,Noem	*0416	*0701			*0202	*0301/19/21+					RSSO,SSP,SBT
3966 Permpikul&Ve	*0416	*0701	*0101	*0103	*0202	*0301					P-SSP
2400 Phelan,Donna	*0416	*0701	*0101	*0103	*0202	*0301					RSSO,SSP,SBT
4689 Rajczyk,Katal	*0416	*0701/16	*0101	*0103	*0202/05	*0301/19					P-SSP
3753 Reed,Elaine	*0416	*0701	*0101	*0103/07	*0202	*0301	*0201	*0301-03			SBT,SSP,SSO
3625 Rees,Tracey	*0416	*0701/15	*01		*0202	*0301	*0201	*03	*0201	*0401	P-SSP

B-CELL LINE TER-424

CTR DIRNAME	DRB1	DRB1X	DRB4	DRB4X	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
3798 Reinsmoen,N	*0416	*070101	*010101	*0103/07	*0202	*0301/19/22	*0201	*0303	*0201	*0401	SBT,SSOP,SSP
1160 Rosen-BronGT	*0416	*07	*01		*02	*03					RVSSO,SSP
793 Rubocki,Rona	*04	*07	*+		*02	*03(DQ7)					
8042 Shainberg,Br	*0416	*0701			*0202	*0301					
8001 Sheikh,Maqso	*0416	*0701/15	*0101	*0103/07	*0202	*0301/19					
735 Smith/MI	*0416	*0701/15/16	*+		*0202	*0301/19	*0201	*0301-03	*0201	*0401	SSP,RVSSOP
746 Stamm,Luz	*0416	*0701	*01		*0202	*0301					RVSSO,SSP
13 Tagliere,Jac	*0416	*0701	*01010101	*0103	*0202	*0301					SSP
747 Tiercy,Jean-	*0416	*070101	*0101	*0103	*0202	*0301			*020102	*040101	SSO,SSP,SBT
5451 Tilanus,Marc	*0416	*070101	*01010101	*01030101	*0202	*030101	*0201	*0303	*020102	*040101	SBT
4021 Trachtenberg	*04	*07	*01/*0201N		*0202	*03					RVSSO
5462 Turner,E.V.	*0416	*0701	*0101/*0301N	*0103	*0202	*0301			*0201	*0401	SSP,SSO,SEQ
5642 Varnavidou-N	*0416	*0701	*+		*0202	*0301					P-SSP
705 Watkins,Dav	*0416	*0701	*01/*0201N		*0202	*0301/19/21+					SSO,SEQ
3511 Zeevi,Adrian	*0416	*0701	*0101	*0103	*0202	*0301	*0201	*0303	*0201	*0401	RVSSOP,SSP

CTR DIRNAME	DR4	DR7	DR53	DQ2	DQ7	OTH1	OTH2
4492 Charron,D.	+	+	+	+	DQ3	DR52,DR14	
3904 Cooper,E.Sha	+	+	+	+	+		
910 Hahn,Amy B.	+	+	+	+	+		
4908 Kvam,Vonnett	+	+	+	+	+		
54 McAlack,Robe	+	+	+	+	+		
8004 Pais,Maria L	+	+	+	+	+	DR52	DQ4
2400 Phelan,Donna	+	+	+	+	+		
793 Rubocki,Rona	+	+	+	+	DQ3		

B-CELL LINE TER-424 (Caucasian)  
71 DNA LABS

71 LABS REPORTING DRB1

DRB1*04	23%
DRB1*0401	1%
DRB1*0416	76%
DRB1*04	100% TOTAL
DRB1*07	37%
DRB1*0701	52%
DRB1*070101	11%
DRB1*07	100% TOTAL

54 LABS REPORTING DRB4

DRB4*+	39%
DRB4*0101	31%
DRB4*010101	4%
DRB4*01010101	6%
DRB4*01	18%
DRB4*+	30%
DRB4*0103	41%
DRB4*01030101	2%
DRB4*01	18%
DRB4*0103/07	9%

8 SEROLOGY LABS

DR4	100%
DR7	100%
DR53	88%

68 LABS REPORTING DQB1

DQB1*02	24%
DQB1*020101	1%
DQB1*0202	75%
DQB1*02	100% TOTAL
DQB1*03	37%
DQB1*0301/19	9%
DQB1*030101/19	3%
DQB1*0301	45%
DQB1*030101	6%
DQB1*03	100% TOTAL

25 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*0201	75%
DPB1*020102	25%
DPB1*0201	100% TOTAL
DPB1*0401	75%
DPB1*040101	25%
DPB1*0401	100% TOTAL

DQ2	100%
DQ3	25%
DQ7	63%
DQ3	88% TOTAL



\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

\*\*\* 53 TYPING LABS \*\*\*

B8	98%	0.967
B7	55%	0.950
B42	53%	1.000
B73	53%	0.964
B41	42%	1.000
B81	42%	1.000
B60	42%	0.855
B59	38%	0.952
B48	26%	1.000
CW7	23%	0.882
CX17	17%	1.000
B46	15%	1.000
A69	8%	1.000
B45	6%	1.000
B39	4%	1.000

\*\*\* 53 TYPING LABS \*\*\*

B8	98%	0.947
B18	49%	0.939
A33	43%	0.905
B65	42%	1.000
A69	40%	1.000
B59	38%	0.952
A68	34%	1.000
B64	32%	1.000
A34	25%	0.833
B73	9%	1.000
B49	8%	1.000
B71	8%	1.000
3402	6%	1.000
A31	6%	1.000
B46	6%	1.000
B55	6%	1.000
B63	4%	1.000

Methods:

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

\*\*\* 53 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

	%	%	B		%	%	B		METHOD
	POS	8'S	8		POS	8'S	8		
Claas, F.H.J.	38	100	+	B7	10	100	+		(1)
Dunckley, Hea	14	80	+		11	3	+		(1)
Esteves Kond	8	25	+		6	33	+		(1)
Hogan, Patric	21	79	+		21	79	+		(1)
Pais, Maria L	15	???	+		14	40	+		(1)
Permpikul &	0	0			1	100		???	(1)
Suciu-Foca, N	14	100	+	B42	12	60	+		(1)

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

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

B8 86% 0.917  
 B42 14% 1.000  
 B7 14% 0.938

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

B8 86% 0.833  
 ??? 14% 1.000

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

Method: NIH-std

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

	%	%	B		%	%	B		METHOD
	POS	8'S	8		POS	8'S	8		
Dunn, Paul Dr	9	100	+		9	100	+		(2)
Lardy, N.M. D	9	100	+		9	100	+		(2)
Pidwell, Dian	14	100	+		14	100	+		(2)

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

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

B8 100% 1.000

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

B8 100% 1.000

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

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: NIH-ext

	SERUM NO. 989										SERUM NO. 990										METHOD				
	% POS	% 8'S	B 8	B 7	B 4	B 8	B 6	B 4	B 5	C W	C X	% POS	% 8'S	B 8	A 1	B 3	B 6	B 5	A 6	B 6		A 6	A 3	B 7	
Abbal, Michel	???	???	+	+	+	+		+	+	+	CX18	???	???	+	+	+	+	+	+	+	+	+		(L-3)	
Alvarez & Ca	3	100	+									6	100	+		+								(F-3)	
Baker, Judy	9	???	+	+	+	+			+	+		11	???	+	+	+	+	+	+			+		(L-3)	
Berka, Noured	68	100	+	+	+	+	+					38	100	+	+									(L-3)	
Burger, Joe	13	100	+	+	+	+	+	+		+	B48, CW8	7	100	+	+	+		+					B14	(L-3)	
Cantwell, Lin	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	A31	(L-3)	
Cecka, J. Mich	13	???	+	+	+	+				+		14	???	+		+	+		+					(L-3)	
Cohen, JHM Pr	8	???	+	+						+		22	???	+	+	+	+		+					(L-3)	
Dunn, Paul Dr	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+	A31	(L-3)	
Eckels/CPMC	45	???	+	+	+	+	+	+	+	+	B48	21	???	+	+	+	+	+	+	+	+	+		(LF-3)	
Elkhalifa MD	???	???	+	+	+	+			+	+	B46, B48	???	???	+	+	+	+	+	+	+		+		(L-3)	
Esteves-Kond	34	100	+	+	+	+	+				B44	19	100	+	+	+								(F-3)	
Gautreaux, Mi	40	???	+		+	+	+	+			B48	38	???	+	+	+				+	+			(L-3)	
Gideon, Osna	44	100	+	+	+	+	+	+			A69	38	100	+	+	+		+		+		+		(L-3)	
Hamdi, Nuha D	18	100	+	+	+	+			+		B71	25	100	+	+	+	+						B49, B71, B46>	(L-3)	
Han, Hoon Dr	29	???	+	+	+	+			+			27	???	+	+	+	+						B63	(L-3)	
Harville, Ter	???	???	+	+	+	+	+	+	+		B46	???	???	+	+	+	+	+	+	+	+	+		(L-3)	
Hogan, Patric	12	???	+	+	+	+	+	+	+	+		4	???	+	+	+							B14	(L-3)	
Israel, Shosh	???	???	+	+	+	+	+	+	+	+	B45, B39	???	???	+	+	+		+		+		+	B71, B46, B55>	(L-3)	
Klein, Tirza	40	100	+	+	+	+	+	+	+		B45	40	100	+	+							+	B71, B47, B49>	(L-3)	
Loewenthal M	38	100	+	+	+	+	+	+	+		A1, B39, B45, A69	40	100	+	+		+					+	B49, B71, B55>	(L-3)	
MacCann, Eile	56	???	+	+	+	+	+	+	+	+	B48, B49	36	???	+	+	+	+	+	+	+	+	+	CW7	(L-3)	
Mah, Helen	???	???	+	+	+	+	+	+	+	+	B48, B46	???	???	+	+	+	+	+	+	+	+	+	A31	(L-3)	
McAlack-Bala	12	100	+	+	+	+	+		+		B48, B46	8	100	+	+	+	+	+	+	+	+	+		(L-3)	
McCluskey, Ja	8	???	+	+	+	+		+		+	B40, 8101, 4001>	3	???	+	+	+							0801, 1801, 3303	(L-3)	
Meyer, Pieter	25	???	+	+	+	+	+	+	+			9	???	+	+	+							B52	(L-3)	
Moore, S. Brea	13	???	+	+	+	+	+	+	+	+	B48	11	???	+	+	+	+	+	+	+	+	+		(L-3)	
Ozawa, Mikki	???	???	+	+	+	+	+	+	+	+	B48, B46	???	???	+	+	+	+	+	+	+	+	+		3402	(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+	+	+		???	???	+	+									(L-3)	
Permpikul &	???	100	+	+								???	???	+	+									(L-3)	
Pidwell, Dian	???	???	+	+	+	+	+	+	+	+	8201, B48	???	???	+	+	+								(F-3)	
Rees, Tracey	???	???	+	+	+	+	+	+	+	+	B46, B48	???	???	+	+	+	+	+	+	+	+	+	+		(L-3)
Rosen-BronMS	41	???	+	+	+	+	+	+	+	+	B46, B48	43	???	+	+	+	+	+	+	+	+	+		3402	(LF-3)
Sage, Deborah	72	???	+	+	+	+	+	+	+	+		40	???	+	+	+	+	+	+	+	+	+		3402, 1502	(L-3)
Sinnott & Gu	???	???	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		3303	(L-3)
Suciu-Foca, N	???	???	+	+	+	+			+	+	B46, B48	???	???	+	+	+	+	+	+	+	+	+		(L-3)	
Tagliere, Jac	???	???	+	+	+	+		+	+	+	B46, B48	???	???	+	+	+	+	+	+	+	+	+		(L-3)	
Turner, E.V.	???	???	+	+	+	+	+	+	+	+	B48	???	???	+	+	+	+	+	+	+	+	+		(L-3)	

(3) - L-Luminex, F-Flow

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

\*\*\* 38 TYPING LABS \*\*\*

B8	100%	1.000
B73	92%	0.946
B7	89%	1.000
B42	89%	1.000
B81	68%	1.000
B41	66%	1.000
B60	66%	1.000
B59	58%	0.957
CW7	47%	0.900
B48	39%	1.000
CX17	39%	1.000
B46	24%	1.000
B45	8%	1.000
A69	5%	1.000
B39	5%	1.000

\*\*\* 38 TYPING LABS \*\*\*

B8	100%	1.000
B18	84%	0.972
A33	74%	0.913
B65	66%	1.000
A69	58%	1.000
B59	58%	0.957
B64	53%	1.000
A68	50%	1.000
A34	39%	0.850
A31	11%	1.000
B49	11%	1.000
B71	11%	1.000
B73	11%	1.000
3402	8%	1.000
B46	8%	1.000
B55	8%	1.000
3303	5%	1.000
B14	5%	1.000
B63	5%	1.000

\*\*\* 38 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: Luminex/Flow



\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

	% POS	% 8'S	B 8		% POS	% 8'S	B 8		METHOD
Baker, Judy	9	???	+		17	???	+		(4)
Berka, Noured	5	33	+		5	100	+		(4)
Cecka, J. Mich	9	0	+		7	67	+		(4)
Cooper, E. Sh	9	40	+		9	80	+		(4)
Dunn, Dale Dr	5	100	+		5	100	+		(4)
Eckels/CPMC,	13	???	+		12	???	+		(4)
Hahn, Amy B.	10	75	+		13	100	+	A1	(4)
Klein, Jon MD	14	???	+		19	???	+	B18	(4)

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

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

B8 100% 1.000

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

B8 100% 1.000  
A1 13% 0.714  
B18 13% 0.600

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

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: Antiglobulin

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

	SERUM NO. 989						SERUM NO. 990						METHOD
	%	%	B	B	B	A	%	%	B	B	A		
	POS	8'S	8	7	0	9	POS	8'S	8	9	8	9	
Cecka, J. Mich	5	33	+				4	50	+				(5)
Choo, Yoon MD	5	67	+				8	0	+				(5)
Esteves-Kond	17	67	+	+		B42	82	67	+	+		B64, CW7, CW10, A29	(5)
Hahn, Amy B.	???	???	+	+	+	B41, B48, B81	???	???	+	+	+	B65, A68, A33, A34	(5)
McAlack, Robe	18	100	+			B18, B65, A68, A33, A34	14	100	+	+		B41, B60, 8101, B7, B48, B42	(5)
Mpuntscha, Loy	28	100	+	+	+	B73, B54	11	100	+		+	B73	(5)

\*\*\*\*\* SERUM NO. 989 \*\*\*\*\* SERUM NO. 990 \*\*\*\*\*

\*\*\* 6 TYPING LABS \*\*\*

B8	100%	0.955
B7	50%	0.862
B60	50%	0.719
A69	33%	1.000
B59	33%	1.000
A33	17%	1.000
A34	17%	1.000
A68	17%	1.000
B18	17%	1.000
B41	17%	1.000
B48	17%	1.000
B54	17%	1.000
B65	17%	1.000
B73	17%	1.000
B81	17%	1.000
B42	17%	0.667

\*\*\* 6 TYPING LABS \*\*\*

B8	100%	0.955
B59	50%	1.000
A69	33%	1.000
B18	33%	1.000
8101	17%	1.000
A29	17%	1.000
A33	17%	1.000
A34	17%	1.000
A68	17%	1.000
B7	17%	1.000
B41	17%	1.000
B42	17%	1.000
B48	17%	1.000
B60	17%	1.000
B64	17%	1.000
B65	17%	1.000
B73	17%	1.000
CW7	17%	0.929
CW10	17%	0.889

\*\*\* 6 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: Elisa

	SERUM NO. 991										SERUM NO. 992										METHOD				
	% POS	% 8'S	B 8	A 1	A 2	A 2	A 6	A 3	B 5	B 9	B 3	A 1	A 6	B 8	B 8	A 5	A 3	B 4	A 6	A 3		B 5	B 6	B 5	
Abbal, Michel	???	???	+	+	+	+	+				+	A74, A1, A2	???	???	+	+	+	+	+				A1, A2, A29, A69>	(3)	
Alvarez & Ca	18	100	+	+								A29, A30, A33>	25	100	+	+	+	+	+				A1, A29, A30	(3)	
Baker, Judy	22	???	+	+									26	???	+	+								(4)	
Berka, Noured	12	100	+									B45	25	100	+								B65	(4)	
Burger, Joe	32	100	+	+		+	+				+	B54, B42, B72>	30	100	+	+	+	+	+			+	B37, A69, A2	(3)	
Cantwell, Lin	???	???	+	+	+	+	+		+	+	+	A74, A43	???	???	+	+	+	+	+	+	+	+	B37, B38, B65	(3)	
Cecka, J. Mich	28	67	+	+									31	67	+	+	+					+	B65	(4)	
Choo, Yoon MD	60	33	+	+			+	+			+	B38, B46, B64>	53	67	+	+	+	+	+	+	+		A80	(5)	
Claas, F.H.J.	30	100	+	+									42	100	+									(1)	
Cohen, JHM Pr	53	???	+	+	+	+			+	+		B46, A43	74	???	+	+						+	B59, B38, B39>	(3)	
Cooper, E. Sh	9	80	+										10	20	+								B65	(4)	
Dunckley, Hea	15	56	+									B64	12	33	+							+		(1)	
Dunk, Arthur	5	100	+										23	67	+									(6)	
Dunn, Dale Dr	8	100	+									B55	5	0	+									(4)	
Dunn, Paul Dr	24	100	+	+									9	75	+									(2)	
Eckels/CPMC,	42	???	+	+	+	+			+	+			70	???									???	(4)	
Elkhalifa MD	???	???	+	+	+	+	+	+	+	+		B46, A30	???	???	+	+	+	+	+	+	+	+	B59, B65, B39	(3)	
Esteves Kond	6	0	+									B45	2	???									???	(1)	
Esteves-Kond	97	25		+	+				+	+		A1, A29, A30, A31>	100	40	+		+	+	+	+			A1, A2, A3, A29>	(3)	
Gautreaux, Mi	90	???	+	+	+	+	+				+	B72, B42	68	???	+	+	+	+	+	+	+		A2	(3)	
Gideon, Osna	98	100	+									B73, A69, B54>	94	100	+	+		+					B73, A69, B78>	(3)	
Hahn, Amy B.	45	100	+	+								B17, B27, B37, A1>	52	70	+	+							A3, B7, B17, B13>	(4)	
Hamdi, Nuha D	87	100		+							+	CX14, B63, A33>	89	100	+	+	+	+					A24, A26, CX16>	(3)	
Han, Hoon Dr	60	???	+						+	+		B46, B64, B75	53	???	+	+	+	+			+	+	B39	(3)	
Harville, Ter	???	???	+	+	+	+	+	+	+	+		B46, A31	???	???	+	+	+	+	+	+	+	+	B59, A69	(3)	
Hogan, Patric	22	64	+										15	50	+									(1)	
Israel, Shosh	???	???	+	+							+	B73, B41, B54, A1>	???	???	+	+		+					B73, B78, B55>	(3)	
Klein, Jon MD	48	???	+	+							+		62	???	+	+	+	+	+				B39, A26, B55	(4)	
Klein, Tirza	90	100	+									B27, B72, B48>	70	100	+	+		+				+	B73, B41, B55>	(3)	
Lardy, N.M. D	33	100	+	+									39	80	+								A28, A2	(2)	
Loewenthal M	98	100	+	+							+	B73, B54, B41>	97	100	+	+							B73, B78, B55, A3>	(3)	
MacCann, Eile	98	???	+	+							+	A1, A36, A10, A19>	94	???	+	+	+	+	+	+			CW7, A69, A66	(3)	
Mah, Helen	???	???	+	+	+	+	+		+	+	+	A74, A43	???	???	+	+	+	+			+	+	B37, B38, B65	(3)	
McAlack, Robe	42	100	+	+	+	+	+	+	+	+			35	100	+	+	+					+	B59, B37, B65	(5)	
McAlack-Bala	46	100	+	+	+	+	+	+	+	+		B46	59	100	+	+	+	+				+	B37, B59	(3)	
McCluskey, Ja	4	100	+										4	100	+									(6)	
Meyer, Pieter	78	???		+	+	+	+	+				A80, A24, A23>	78	???	+	+	+	+	+			+	+	B65, B39, B55	(3)
Moore, S. Brea	48	???	+	+	+	+	+		+	+		A31, A30	41	???	+	+	+	+	+	+	+	+		B41	(3)
Mpunta, Loy	28	40	+	+	+	+	+					A69, B75, B73>	69	100	+	+	+	+	+	+	+	+		A66	(5)
Ozawa, Mikki	???	???	+	+	+	+	+		+	+	+	A74, B54, 3303	???	???	+	+	+	+	+	+	+	+		B37	(3)
Pais, Maria L	18	50	+										9	???									???	(1)	
Pereira, Noem	???	???	+	+	+	+	+		+	+	+	B54, A74, A43	???	???	+	+	+	+	+	+	+	+	B37, B65	(3)	
Permpikul &	3	0										???	0	0										(1)	
Pidwell, Dian	29	100	+	+								6601, B65	40	43	+	+		+					A2, B39	(2)	
Rees, Tracey	???	???		+	+	+	+	+	+	+		A1, A2, A36, A74	???	???	+	+	+	+	+	+	+	+		A2, A69, A29	(3)
Rosen-BronGT	94	100	+		+	+	+	+	+	+		B65, A2, A43	99	100	+	+	+	+					B65, B55, B62, A1>	(3)	
Rosen-BronMS	99	???	+	+	+	+	+	+	+	+		B46, CX16, A43	88	???	+	+	+	+	+	+	+	+		B59	(3)
Sage, Deborah	98	???		+	+	+	+	+	+	+		A1, A2, A29, A30	100	???	+		+	+	+				A1, A2, A29, A69>	(3)	
Sinnott & Gu	???	???		+	+	+	+	+	+	+	+	A2, A1, A36	???	???	+	+	+	+	+				A1, A2, A69, A29>	(3)	
Smith/MI,	98	???	+	+	+	+	+	+	+	+		B46, A31, A30	87	???	+	+	+	+	+			+	B59, B37	( )	
Suciu-Foca, N	26	50	+									B42	30	24	+	+	+	+					B14	(1)	
Tagliere, Jac	???	???		+	+	+			+	+		A29, A30, A31>	???	???	+	+	+	+	+				A2, A29, A69, B37>	(3)	
Turner, E.V.	???	???	+	+	+	+	+	+	+	+		A74, A30	???	???	+	+	+	+			+	+	+	B37, B38, B65	(3)

\*\*\* 53 TYPING LABS \*\*\*

B8	85%	0.949
A11	72%	0.875
A25	45%	1.000
A26	43%	1.000
A66	42%	0.973
A34	30%	0.950
B59	28%	1.000
A3	23%	1.000
B18	21%	0.947
A68	19%	0.952
A43	17%	1.000
B46	15%	1.000
A30	15%	0.889
A1	15%	0.885
A31	13%	1.000
A74	13%	1.000
B54	13%	1.000
A29	11%	1.000
A33	9%	1.000
B73	9%	1.000
A2	9%	0.717
B42	8%	1.000
B64	8%	0.714
A36	6%	1.000
B35	6%	1.000
B39	6%	1.000
B41	6%	1.000
B72	6%	1.000
B75	6%	1.000
B27	6%	0.875
B55	6%	0.800
B45	6%	0.714
A69	4%	1.000
CX16	4%	1.000
B57	4%	0.833
B65	4%	0.500

\*\*\* 53 TYPING LABS \*\*\*

B8	91%	0.960
B18	62%	0.951
B57	43%	1.000
A33	43%	0.951
B42	38%	1.000
A68	34%	1.000
A34	32%	1.000
B58	30%	1.000
B54	26%	1.000
B64	26%	0.833
B65	23%	1.000
B37	21%	1.000
A2	19%	0.764
A29	17%	1.000
A69	17%	1.000
B39	17%	0.923
B59	15%	1.000
A1	13%	1.000
B55	13%	1.000
B38	11%	1.000
B71	8%	1.000
B73	8%	1.000
B78	8%	1.000
???	6%	1.000
B7	6%	1.000
B45	6%	1.000
A3	6%	0.833
A26	4%	1.000
A30	4%	1.000
B14	4%	1.000
B41	4%	1.000
A66	4%	0.909
B17	4%	0.857

Methods:

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

\*\*\* 53 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: All

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

SERUM NO. 991				SERUM NO. 992				METHOD
% POS	% 8'S	B 8	A 1	% POS	% 8'S	B 8	A 2	
Claas, F.H.J.	30	100	+	A11	42	100	+	(1)
Dunckley, Hea	15	56	+	B64	12	33	+	B64 (1)
Esteves Kond	6	0	+	B45	2	???	+	???
Hogan, Patric	22	64	+		15	50	+	(1)
Pais, Maria L	18	50	+		9	???	+	???
Permpikul &	3	0	+	???	0	0	+	(1)
Suciu-Foca, N	26	50	+	B42	30	24	+	B14, B18, B42 (1)

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

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

B8	86%	0.854
???	14%	1.000
A11	14%	1.000
B42	14%	1.000
B45	14%	0.500
B64	14%	0.500

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

B8	57%	0.828
???	29%	1.000
B14	14%	1.000
B18	14%	1.000
B42	14%	1.000
B64	14%	0.500

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

Method: NIH-std

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

SERUM NO. 991				SERUM NO. 992				METHOD		
% POS	% 8'S	B 8	A 1	% POS	% 8'S	B 8	A 2			
Dunn, Paul Dr	24	100	+	+	9	75	+	(2)		
Lardy, N.M. D	33	100	+	+	39	80	+	+	A28 (2)	
Pidwell, Dian	29	100	+	+	6601, B65	40	43	+	+	A33, B18, B39 (2)

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

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

A11	100%	1.000
B8	100%	1.000
6601	33%	1.000
B65	33%	0.333

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

B8	100%	1.000
A2	67%	0.594
A28	33%	1.000
A33	33%	1.000
B18	33%	0.500
B39	33%	0.500

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

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: NIH-ext

	SERUM NO. 991										SERUM NO. 992										METHOD						
	%	%	A 1	A B	A 2	A 2	A 6	B 5	A 3	A 6	A 7	A 4	%	%	B 8	B 8	B 2	B 7	A 3	A 6		A 3	B 5	B 6	B 5		
Abbal, Michel	???	???	+	+	+	+	+	+		+	+		???	???	+	+			+	+	+				A1, A2, A29, A69>	(L-3)	
Alvarez & Ca	18	100	+	+									25	100	+	+			+	+	+				A1, A29, A30	(F-3)	
Baker, Judy	82	???	+	+	+	+	+	+					87	???	+	+	+	+	+			+			B59	(L-3)	
Berka, Noured	98	100	+	+	+					+	+	+	78	100	+	+			+	+	+				A2, A29, A69, B37>	(L-3)	
Burger, Joe	32	100	+	+	+		+			+	+	+	30	100	+	+	+	+			+		+		B37, A69, A2	(L-3)	
Cantwell, Lin	???	???	+	+	+	+	+	+		+	+	+	???	???	+		+	+			+	+	+		B37, B38, B65	(L-3)	
Cecka, J. Mich	67	???	+	+	+	+	+	+	+	+	+		76	???	+	+	+	+			+	+	+		B55, B37	(L-3)	
Cohen, JHM Pr	53	???	+	+	+						+		74	???	+	+							+		B59, B38, B39>	(L-3)	
Dunn, Paul Dr	???	???	+	+	+	+	+			+	+	+	???	???	+		+	+			+	+	+		B37, B38, B55	(L-3)	
Eckels/CPMC,	97	???	+		+								92	???	+				+	+					A1, A2, A29, A30>	(LF-3)	
Elkhalifa MD	???	???	+	+	+	+	+	+					???	???	+		+	+			+	+	+		B59, B65, B39	(L-3)	
Esteves-Kond	97	25	+		+				+				100	40	+				+	+					A1, A2, A3, A29>	(F-3)	
Gautreaux, Mi	90	???	+	+	+	+	+						68	???	+	+		+	+	+			+		A2	(L-3)	
Gideon, Osna	98	100	+										94	100	+	+	+								B73, A69, B78>	(L-3)	
Hamdi, Nuha D	87	100	+							+			89	100	+	+	+	+	+						A24, A26, CX16>	(L-3)	
Han, Hoon Dr	60	???	+					+					53	???	+	+	+					+	+	+		B39	(L-3)
Harville, Ter	???	???	+	+	+	+	+	+					???	???	+	+	+	+		+	+				B59, A69	(L-3)	
Hogan, Patric	26	???	+	+	+		+			+	+		30	???	+	+	+	+		+	+	+			B37, A69	(L-3)	
Israel, Shosh	???	???	+	+									???	???	+	+	+								B73, B78, B55>	(L-3)	
Klein, Tirza	90	100	+		+								70	100	+	+	+					+			B73, B41, B55>	(L-3)	
Loewenthal M	98	100	+	+									97	100	+	+									B73, B78, B55, A3>	(L-3)	
MacCann, Eile	98	???	+	+							+		94	???	+	+			+	+					CW7, A69, A66	(L-3)	
Mah, Helen	???	???	+	+	+	+	+	+		+	+	+	???	???	+	+	+		+	+	+	+	+		B37, B38, B65	(L-3)	
McAlack-Bala	46	100	+	+	+	+	+	+					59	100	+	+	+	+		+	+				B37, B59	(L-3)	
McCluskey, Ja	22	???	+	+	+	+			+				20	???	+	+	+	+	+	+	+	+			A69, B55	(L-3)	
Meyer, Pieter	78	???	+		+	+	+	+					78	???	+	+	+	+					+	+	B65, B39, B55	(L-3)	
Moore, S. Brea	48	???	+	+	+	+	+	+		+	+		41	???	+	+	+	+	+	+					B41	(L-3)	
Ozawa, Mikki	???	???	+	+	+	+	+	+		+	+		???	???	+	+	+	+	+			+	+	+		B37	(L-3)
Pereira, Noem	???	???	+	+	+	+	+	+		+	+	+	???	???	+	+	+	+		+	+	+	+		B37, B65	(L-3)	
Permpikul &	???	100	+	+	+	+	+	+		+			???	100	+	+	+	+	+	+		+			A23, A24, B63>	(L-3)	
Pidwell, Dian	???	???	+	+	+	+	+	+		+	+		???	???	+	+	+	+				+	+	+		A36, B65, B37, A1	(F-3)
Rees, Tracey	???	???	+		+	+	+	+		+			???	???	+	+	+	+	+	+						A2, A69, A29	(L-3)
Rosen-BronMS	99	???	+	+	+	+	+	+		+			88	???	+	+	+	+	+	+	+	+	+	+		B59	(LF-3)
Sage, Deborah	98	???	+		+	+	+	+					100	???	+				+	+	+					A1, A2, A29, A69>	(L-3)
Sinnott & Gu	???	???	+		+	+	+	+		+			???	???	+	+			+	+	+					A1, A2, A69, A29>	(L-3)
Suciu-Foca, N	???	???	+	+	+	+	+	+					???	???	+	+	+	+	+		+	+	+			B59, B37	(L-3)
Tagliere, Jac	???	???	+		+	+	+	+		+			???	???	+	+			+	+	+					A2, A29, A69, B37>	(L-3)
Turner, E.V.	???	???	+	+	+	+	+	+		+			???	???	+		+	+	+			+	+	+		B37, B38, B65	(L-3)

(3) - L-Luminex, F-Flow

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

\*\*\* 38 TYPING LABS \*\*\*

A11	92%	1.000
B8	79%	1.000
A26	74%	1.000
A25	71%	1.000
A66	63%	1.000
B59	47%	1.000
A34	39%	1.000
A68	37%	0.952
A3	32%	1.000
A43	32%	1.000
A74	32%	1.000
B18	29%	1.000
A31	24%	1.000
B54	24%	1.000
A30	24%	0.900
A1	21%	0.950
A33	18%	1.000
B46	18%	1.000
A29	16%	1.000
B42	13%	1.000
B72	13%	1.000
A2	13%	0.685
B73	11%	1.000
A36	8%	1.000
B35	8%	1.000
B39	8%	1.000
B41	8%	1.000
6601	5%	1.000
A32	5%	1.000
B27	5%	1.000
B55	5%	1.000
B64	5%	1.000
B75	5%	1.000
CX16	5%	1.000

\*\*\* 38 TYPING LABS \*\*\*

B8	95%	1.000
B18	76%	1.000
B42	66%	1.000
B57	63%	1.000
A33	61%	1.000
A68	58%	1.000
A34	55%	1.000
B54	47%	1.000
B64	42%	1.000
B37	39%	1.000
B58	39%	1.000
A69	32%	1.000
A2	26%	1.000
A29	26%	1.000
B65	24%	1.000
A1	21%	1.000
B39	21%	1.000
B55	21%	1.000
B59	21%	1.000
B38	18%	1.000
B71	11%	1.000
B73	11%	1.000
B78	11%	1.000
A30	8%	1.000
B45	8%	1.000
A3	5%	1.000
A23	5%	1.000
A24	5%	1.000
A36	5%	1.000
B7	5%	1.000
B41	5%	1.000

\*\*\* 38 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: Luminex/Flow

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

	SERUM NO. 991				SERUM NO. 992				METHOD
	% POS	% 8'S	B 8	A 1	% POS	% 8'S	B 8	A 3	
Baker, Judy	22	???	+	+	26	???	+	+	(4)
Berka, Noured	12	100	+	B45	25	100	+	+	(4)
Cecka, J. Mich	28	67	+	+	31	67	+	+	B57, B58, B64 (4)
Cooper, E. Sh	9	80	+		10	20	+	+	(4)
Dunn, Dale Dr	8	100	+	B55	5	0	+		(4)
Eckels/CPMC,	42	???	+	+	70	???		???	(4)
Hahn, Amy B.	45	100	+	+	52	70	+	+	A3, B7, B17, B13, B60, B14 (4)
Klein, Jon MD	48	???	+	+	62	???	+	+	B39, A34, A26, B42, B55 (4)

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

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

B8	100%	1.000
A11	63%	0.660
A3	13%	1.000
A25	13%	1.000
A26	13%	1.000
A34	13%	1.000
B37	13%	1.000
B17	13%	0.833
B27	13%	0.833
B18	13%	0.800
B57	13%	0.800
B45	13%	0.750
A1	13%	0.714
B55	13%	0.667

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

B8	88%	1.000
B18	50%	0.889
B65	38%	1.000
A33	25%	0.750
???	13%	1.000
A26	13%	1.000
A34	13%	1.000
B7	13%	1.000
B13	13%	1.000
B14	13%	1.000
B39	13%	1.000
B42	13%	1.000
B55	13%	1.000
B57	13%	1.000
B58	13%	1.000
B60	13%	1.000
B17	13%	0.833
A3	13%	0.769
B64	13%	0.500

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

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: Antiglobulin



\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

	SERUM NO. 991										SERUM NO. 992										METHOD					
	%	%	B	A	B	A	B	B	B	A	A	%	%	B	B	B	B	A	B	B		B	B			
	POS	8'S	8	1	9	6	4	4	8	8	4	5	POS	8'S	8	7	8	8	2	4	4	9	4	7		
Cecka, J. Mich	25	50	+	+									36	50	+	+	+		+		+				B55	(5)
Choo, Yoon MD	60	33	+	+	+	+			+				53	67	+	+	+	+		+					A80, A68, A33	(5)
Esteves-Kond	96	100	+	+	+			+	+				89	???	+	+	+		+	+	+		+		B7, A1, A26, A2	(5)
Hahn, Amy B.	???	???	+	+	+			+					???	???	+	+	+	+				+	+		B39, B38, B27	(5)
McAlack, Robe	42	100	+	+	+	+			+	+	+		35	100	+	+	+	+				+	+	+	B65	(5)
Mpuntshe, Loy	28	40	+	+	+						+		69	100	+	+	+	+		+					A66, A33, A68	(5)

\*\*\*\*\* SERUM NO. 991 \*\*\*\*\* SERUM NO. 992 \*\*\*\*\*

\*\*\* 6 TYPING LABS \*\*\*

B8	100%	0.955
A11	100%	0.879
B59	50%	1.000
A66	50%	0.909
A25	33%	1.000
B18	33%	1.000
B38	33%	1.000
B54	33%	1.000
B64	33%	1.000
A34	33%	0.750
A10	17%	1.000
A26	17%	1.000
A28	17%	1.000
A29	17%	1.000
A31	17%	1.000
A33	17%	1.000
A68	17%	1.000
A69	17%	1.000
A74	17%	1.000
B41	17%	1.000
B46	17%	1.000
B51	17%	1.000
B58	17%	1.000
B60	17%	1.000
B73	17%	1.000
B75	17%	1.000
CW6	17%	1.000

\*\*\* 6 TYPING LABS \*\*\*

B57	100%	1.000
B8	100%	0.955
B18	83%	0.882
B58	67%	1.000
A34	50%	1.000
B42	50%	1.000
A33	33%	1.000
A68	33%	1.000
B37	33%	1.000
B54	33%	1.000
B59	33%	1.000
B64	33%	1.000
A1	17%	1.000
A2	17%	1.000
A26	17%	1.000
A80	17%	1.000
B7	17%	1.000
B27	17%	1.000
B38	17%	1.000
B39	17%	1.000
B65	17%	1.000
A66	17%	0.857
B55	17%	0.500

\*\*\* 6 LABORATORIES REPLIED \*\*\*

\*\*\*\*\* NEXT SHIPMENT: AUG 5 2009 \*\*\*\*\*

Method: Elisa

INVESTIGATOR	DNA EXTRACT #453 (Caucasian)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
5488 Adams, Sharon	*3204	*680102/11N	*27	*35	*020202	*040101/09N/30	RSSO, SSP, SBT
8062 Al-Attas, Rab	*32	*68	*27	*35	*02	*04	RVSSO
2300 Allegheny Ge	*32	*68	*27	*35	*02	*04	RVSSO
745 Anthony Nola	*3204	*6801	*2705	*350101	*020202	*040101	SSO, SSP, SBT
5133 Baker, Judy	*32	*68	*27	*35	*02	*04	SSOP
2020 Barnardo, Mar	*3204	*680102	*270502/05	*350101/42	*020202	*040101/28/30	PCR-SSP, SBT
4345 Blasczyk, Rai	*3204	*6801/11N/33	*2705/13	*3501/40N/42/57+	*0202	*0401/09N/28/30	PCR-SBT
5106 Brown, Colin	*3204	*6801	*2705	*3501/57	*02	*04	
785 Chan, Soh Ha	*3204	*6801/11N/33	*2705/08/13/38	*35/*5303	*0202	*0401/09N/28/30	SBT
3224 Chen, Dongfen	*3204	*6801	*2705	*3501	*0202	*0401/09N/30	SBT, RVSSOP
8021 Clark, Brenda	*3201/03/04+	*6801/02/06+	*2701-03+	*3501-0401/06+	*0202-18+	*040101-0104+	PCR-SSP
5219 Daniel, Dolly	*32	*68	*27	*35			PCR-SSOP
1108 Davis, Mary	*3204	*6801	*2705	*3501	*0202	*0401	
5891 Du, Keming	*3204	*6801/11N	*2705	*3501/24/57	*0202	*0401/09N/30	PCR-SBT
3186 Dunckley, Hea	*32	*68	*27	*35	*02	*04	SSP
3766 Dunn, Paul	*3204	*68	*27	*35	*02	*04	PCR-SSO, SSP
3428 Eckels/Utah	*3204	*6801/11N/33	*2705/13/38	*3501/15/40N/42+			SSOP
4251 Ellis, Thomas	*3204	*6801/11N	*2705/13	*3501/42/57	*0202	*0401/30	PCR-SSO, SEQ
762 Fischer&Mayr	*3204	*6801/33	*2705	*3501	*0202	*0401	SSO, SSP, SBT
3135 Fischer, John	*3204	*6801/11N	*2705	*3542	*0202	*0401/09N/30	PCR-SSO, SBT
4691 Hajeer, Ali	*32	*68	*27	*35	*02	*04	SSO
810 Hamdi, Nuha	*3204	*680102	*2703	*350101	*020201	*04010101	SSO
5803 Henrico's Do	*32	*68	*27	*35	*02	*04	SSP
1461 Hidajat, Mela	*3204	*6801	*2705	*3501	*0202	*0401	SSO, SSP
615 Holdsworth, R	*32	*68	*27	*35			SSP
2344 Hurley&Hartz	*3204	*680102/11N/33	*270502/0504/13	*350101/0103/40N+	*020202	*04010101+	SBT, SSOP
797 Kato, Shunich	*3204	*6801/11N	*2705/13/38	*3501/15/42+	*0202	*0401/09N	SSO, SBT
2847 Kihara, Masaa	*32	*68	*27	*35	*02	*04	RVSSO
87 Land, Geoff	*3204	*6801	*2705	*3501	*0202	*0401	SBT, SSP, SSO
278 Lee, Jar-How	*3204	*6801/33	*2705	*3501/57	*0202/09/11+	*0401/18-20/24+	SSP, RVSSOP
640 Lee, Kyung Wh	*3204	*6801/11N	*2705/13	*3501/42	*0202	*0401/09N/28/30	PCR-SBT
4651 Leech, Stephe	*32	*68	*27	*35	*02	*04	SSOP
9916 McIntyre, Joh	*3204	*680102	*2705/13	*350101	*0202/21/22	*0401/08/35/40	SBT, SSP
733 Mytilineos, J	*32	*68	*27	*35	*02	*04	PCR-SSO
8022 Olerup, Ollie	*3204	*6801	*2705	*3501	*0202	*0401	SSP
5096 Park, Yun Mi	*32	*68	*27	*35			PCR-SSO
3648 Pereira, Noem	*3204	*6801/11N	*2705/13	*3501/57	*0202	*0401/30	RSSO, SSP, SBT
3966 Permpikul&Ve	*03	*68	*27	*35	*0202	*0401	PCR-SSP
2400 Phelan, Donna	*3204	*6801	*2705/13	*3501	*0202	*0401/09N/30	RSSO, SSP, SBT
3753 Reed, Elaine	*3204	*6801/11N	*2705/08/13/38	*3501/15/42/57+	*0202	*0401/09N/30	SBT, SSO
3625 Rees, Tracey	*3204	*6801/11N	*27	*35	*0202	*0401	PCR-SSP, SBT
3798 Reinsmoen, N	*3204	*680102/11N	*2705/13	*350101/57	*020202	*040101/30	SBT, RSSO, SSP
1694 Sauer&Gottwa	*32	*68	*27	*35	*02	*04	SSP
3545 Scornik, Juan	*3204	*6801/11N	*2705/13	*3501/42/57	*0202	*0401/09N/30	RVSSOP, SBT
8042 Shainberg, Br	*32	*68	*27	*35	*02	*04	SSOP, SSP
735 Smith/MI	*32	*68	*27	*35	*02	*04	RVSSOP
746 Stamm, Luz	*3204	*6801	*2705	*3501	*0202	*0401	RSSO, SSP, SBT
13 Tagliere, Jac	*3204	*6801	*2705	*3501	*0202	*0401	SSP
4021 Trachtenberg	*3204	*68	*27	*35	*02	*04	RVSSO, SSP
5462 Turner, E.V.	*3204	*680102/11N	*2705	*3501	*0202	*0401	SEQ, SSO, SSP

INVESTIGATOR		DNA EXTRACT #454											
CTR	NAME	A1	A2	B1	B2	C1	C2	method					
5488	Adams, Sharon	*010101	*2608	*150101		*03	*04	RSSO, SSP, SBT					
8062	Al-Attas, Rab	*01	*26	*15		*03	*04	RVSSO					
2300	Allegheny Ge	*01	*26	*15	*15	*03	*04	RVSSO					
745	Anthony Nola	*010101	*2608	*15010101		*030301	*040101	SSO, SSP, SBT					
5133	Baker, Judy	*01	*26	*15		*0303/11/12+	*04	SSOP					
2020	Barnardo, Mar	*01010101	*2608	*15010101		*030301	*040101/28/30	PCR-SSP, SBT					
4345	Blasczyk, Rai	*0101/01N/04N/22N	*2608	*1501/01N/*9502/04/40/46		*0303/20N	*0401/09N/28/30	PCR-SBT					
5106	Brown, Colin	*0101	*2608	*1501		*0303	*0401						
785	Chan, Soh Ha	*0101/04N/22N	*2608	*1501/*9502/04/40/46		*0303/20N/49	*0401/04/09N+	SBT					
3224	Chen, Dongfen	*0101	*2608	*15010101/010102N		*0303	*0401/09N/30	SBT, RVSSOP					
8021	Clark, Brenda	*0101/04N/06+	*260101/0103-02+	*150101-0104/0106-0108/04-08+		*0303/11-13+	*040101-0104+	PCR-SSP					
5219	Daniel, Dolly	*01	*26	*15	*15			PCR-SSOP					
1108	Davis, Mary	*0101	*2608	*1501	*1501	*0303	*0401						
5891	Du, Keming	*0101	*2608	*1501	*1501	*0303/20N	*0401/09N/30	PCR-SBT					
3186	Dunckley, Hea	*01	*26	*1501/*9502/04/20/46		*0303/11-13+	*04	SSP, SBT					
3766	Dunn, Paul	*01	*2608	*15		*03	*04	PCR-SSO, SSP					
3428	Eckels/Utah	*0101/01N/04N/22N+	*2608	*15	*15			SSOP					
4251	Ellis, Thomas	*0101	*2608	*1501	*1501	*0303/20N	*0401/30	PCR-SSO, SEQ					
762	Fischer&Mayr	*0101	*2608	*1501		*0303	*0401	SSO, SSP, SBT					
3135	Fischer, John	*0101	*2608	*1501		*0303	*0401/09N/30	PCR-SSO, SBT					
4691	Hajeer, Ali	*01	*26	*15	*15	*03	*04	SSO					
810	Hamdi, Nuha	*01010101	*2608	*15010101	*15	*030301	*04010101	SSO					
5803	Henrico's Do	*01	*26	*15		*03	*04	SSP					
1461	Hidajat, Mela	*0101	*2608	*1501	*1501	*0303	*0401	SSO, SSP					
615	Holdsworth, R	*01	*26	*15				SSP					
2344	Hurley&Hartz	*01010101/010102N+	*2608	*15010101/010102N+	*15010101/010102N+	*030301/20N	*04010101+	SBT, SSOP					
797	Kato, Shunich	*0101/01N	*2608	*1501/01N		*0303/20N	*0401/09N	SSO, SBT					
2847	Kihara, Masaa	*01	*26	*15		*03	*04	RVSSO					
87	Land, Geoff	*0101	*2608	*1501	*1501	*0303	*0401	SBT, SSP, SSO					
278	Lee, Jar-How	*0101/11N/15N/16N+	*2608	*1501/75/81/94N/97/*9502/04/11N/13+		*0303/20N+	*0401/18-20/24+	SSP, RVSSOP					
640	Lee, Kyung Wh	*0101	*2608	*1501		*0303/20N	*0401/09N/28/30	PCR-SBT					
4651	Leech, Stephe	*01	*26	*1501/26N-28/32-35/57/60/70/71/75+		*0303/13/20N+	*04	SSOP					
9916	McIntyre, Joh	*01010101	*2608	*15010101		*0303/50	*0401/08/35/40	SBT, SSP					
733	Mytilineos, J	*01	*26	*15		*03	*04	PCR-SSO					
8022	Olerup, Olle	*0101	*2608	*1501		*0303	*0401	SSP					
5096	Park, Yun Mi	*01	*26	*15	*15			PCR-SSO					
3648	Pereira, Noem	*0101	*2608	*1501		*0303/20N/49	*0401/04/30	RSSO, SSP, SBT					
3966	Permpikul&Ve	*01	*26	*15		*0303	*0401	PCR-SSP					
2400	Phelan, Donna	*0101	*2608	*1501		*0303	*0401/09N/30	RSSO, SSP, SBT					
3753	Reed, Elaine	*0101	*2608	*1501	*1501	*0303/20N/49	*0401/04/09N/30	SBT, SSO					
3625	Rees, Tracey	*0101	*2608	*1501		*0303	*0401/28/30	PCR-SSP, SBT					
3798	Reinsmoen, N	*010101/01N	*2608	*150101/01N		*030301/20N	*040101/30	SBT, RSSO, SSP					
1694	Sauer&Gottwa	*01	*26	*15		*03	*04	SSP					
3545	Scornik, Juan	*0101	*2608	*1501		*0303/20N	*0401/09N/30	RVSSOP, SBT					
8042	Shainberg, Br	*0101	*2608	*1501		*0303	*0401	SSOP, SSP					
735	Smith/MI	*01	*26	*15(B62)		*03(Cw9)	*04	RVSSOP					
746	Stamm, Luz	*0101	*2608	*1501		*0303	*0401	RSSO, SSP, SBT					
13	Tagliere, Jac	*0101	*2608	*1501		*0303	*0401	SSP					
4021	Trachtenberg	*01	*2608	*15		*03	*04	RVSSO, SSP					
5462	Turner, E.V.	*01010101/02N	*2608	*15010101/02N		*0303	*0401	SEQ, SSO, SSP					

INVESTIGATOR		DNA EXTRACT #455 (Caucasian)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*020101	*2502	*080101	*440201/19N	*05	*07	RSSO, SSP, SBT
8062	Al-Attas, Rab	*02	*25	*08	*44	*05	*07	RVSSO
2300	Allegheny Ge	*02	*25	*08	*44	*05	*07	RVSSO
745	Anthony Nola	*020101	*2502	*080101	*440201	*050101	*0701	SSO, SSP, SBT
5133	Baker, Judy	*02	*25	*08	*44	*05	*07	SSOP
2020	Barnardo, Mar	*020101	*2502	*080101	*440201/19N	*0501/03/25	*0701/06/16/18+	PCR-SSP, SBT
4345	Blasczyk, Rai	*0201/01L/09/43N+	*2502	*0801/19N	*4402/02S/19N/27	*0501/03	*0701/06/18/52	PCR-SBT
5106	Brown, Colin	*02	*2502	*08	*44	*05	*07	
785	Chan, Soh Ha	*0201/09/43N/66+	*2501/02	*0801/02/19N	*4402/09/19/27	*05/*08	*0701/06/09/18+	SBT
3224	Chen, Dongfen	*0201	*2502	*0801	*4402	*0501	*0701/06/18	SBT, RVSSOP
8021	Clark, Brenda	*020101-0104/0106+	*2502	*0801/06-08N+	*4402/11/19N+	*0501/03-07+	*0701/06/07+	PCR-SSP
5219	Daniel, Dolly	*02	*25	*08	*44			PCR-SSOP
1108	Davis, Mary	*0201	*2502	*0801	*4402	*0501	*0701	
5891	Du, Keming	*0201/34	*2501/02	*0801/02	*4402/09/19N	*0501/04	*0701/06/18/28	PCR-SBT
3186	Dunckley, Hea	*02	*25	*08	*44	*05	*07	SSP
3766	Dunn, Paul	*02	*2502	*08	*44	*05	*07	PCR-SSO, SSP
3428	Eckels/Utah	*02	*2502	*0801/19N	*4402/02S/27/49/63			SSOP
4251	Ellis, Thomas	*0201	*2502	*0801/19N	*4402/19N/27	*0501/03	*0701/06/18/52	PCR-SSO, SEQ
762	Fischer&Mayr	*0201	*2502	*0801/19N	*4402/27	*0501/03	*0701	SSO, SSP, SBT
3135	Fischer, John	*0201/01L	*2502	*0801	*4402	*0501	*0701/06/18	PCR-SSO, SBT
4691	Hajeer, Ali	*02	*25	*08	*44	*05	*07	SSO
810	Hamdi, Nuha	*02010101	*2502	*080101	*44020101	*050101	*070101	SSO
5803	Henrico's Do	*02	*25	*08	*44	*05	*07	SSP
1461	Hidajat, Mela	*0201	*2502	*0801	*4402	*0501	*0701	SSO, SSP
615	Holdsworth, R	*02	*25	*08	*44			SSP
2344	Hurley&Hartz	*02010101/010102L+	*2502	*080101/19N	*44020101/020102S+	*05010101+	*070101/0102+	SBT, SSOP
797	Kato, Shunich	*0201/01L	*2502	*0801	*4402/02S/19N	*0501/04	*0701/06/18+	SSO, SBT
2847	Kihara, Masaa	*02	*25	*08	*44	*05	*07	RVSSO
87	Land, Geoff	*0201	*2502	*0801	*4402	*0501	*0701	SBT, SSP, SSO
278	Lee, Jar-How	*0201/*9211/19/21+	*2502	*0801	*4402	*0501	*0701	SSP, RVSSOP
640	Lee, Kyung Wh	*0201	*2502	*0801	*4402/19N	*0501/03/04	*0701/18/28/52	PCR-SBT
4651	Leech, Stephe	*02	*25	*08	*44	*05	*07	SSOP
9916	McIntyre, Joh	*020101	*2502	*080101	*44020101	*0501/19/21	*0701/53/55N+	SBT, SSP
733	Mytilineos, J	*02	*25	*08	*44	*05	*07	PCR-SSO
8022	Olerup, Olle	*0201	*2502	*0801	*4402	*0501	*0701	SSP
5096	Park, Yun Mi	*02	*25	*08	*44			PCR-SSO
3648	Pereira, Noem	*0201/01L	*2502	*0801	*4402/02S	*0501/04/25	*0701/06/16/18+	RSSO, SSP, SBT
3966	Permpikul&Ve	*0201	*66	*08	*44	*0501	*0701/06	PCR-SSP
2400	Phelan, Donna	*0201/34/43N	*2502	*0801	*4402	*0501	*0701	RSSO, SSP, SBT
3753	Reed, Elaine	*0201/34	*2501/02	*0801	*4402/19N	*0501/04+	*0701/06/09/18+	SBT, SSO
3625	Rees, Tracey	*0201	*2502	*08	*44	*0501	*0701/52	PCR-SSP, SBT
3798	Reinsmoen, N	*020101/01L	*2502	*080101	*440201/01S	*050101	*0701	SBT, RSSO, SSP
1694	Sauer&Gottwa	*02	*25	*08	*44	*05	*07	SSP
3545	Scornik, Juan	*0201	*2502	*0801	*4402/19N	*0501	*0701/06/18	RVSSOP, SBT
8042	Shainberg, Br	*02	*25	*08	*44	*05	*07	SSOP, SSP
735	Smith/MI	*02	*25	*08	*44	*05	*07	RVSSOP
746	Stamm, Luz	*0201	*2502	*0801	*4402	*0501	*0701	RSSO, SSP, SBT
13	Tagliere, Jac	*0201	*2502	*0801	*4402	*0501	*0701	SSP
4021	Trachtenberg	*02	*2501/02/05	*08	*44	*05	*07	RVSSO, SSP
5462	Turner, E.V.	*0201	*2502	*0801	*4402	*0501	*0701	SEQ, SSO, SSP

INVESTIGATOR		DNA EXTRACT #456 (Black)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*0103	*020101	*3910		*120301		RSSO, SSP, SBT
8062	Al-Attas, Rab	*01	*02	*39		*12		RVSSO
2300	Allegheny Ge	*01	*02	*39	*39	*12	*12	RVSSO
745	Anthony Nola	*0103	*020101	*3910		*120301		SSO, SSP, SBT
5133	Baker, Judy	*01	*02	*39		*12		SSOP
2020	Barnardo, Mar	*0103	*020101	*3910		*120301/06		PCR-SSP, SBT
4345	Blasczyk, Rai	*0103	*0201/01L/09/43N+					PCR-SBT
5106	Brown, Colin	*0103	*0201	*3910		*1203		
785	Chan, Soh Ha	*0103	*0201/09/43N/66+	*3910		*1203		SBT
3224	Chen, Dongfen	*0103	*0201	*3910		*1203		SBT, RVSSOP
8021	Clark, Brenda	*0103/07/20	*020101-0104/0106+	*3901/05/09/10+		*120301-0306+		PCR-SSP
5219	Daniel, Dolly	*01	*02	*39	*39			PCR-SSOP
1108	Davis, Mary	*0103	*0201	*3910	*3910/16	*1203	*1203	
5891	Du, Keming	*0103	*0201	*3910	*3910	*1203	*1203	PCR-SBT
3186	Dunckley, Hea	*01	*02	*39		*12		SSP
3766	Dunn, Paul	*0103	*02	*3910/16/17/20		*12		PCR-SSO, SSP
3428	Eckels/Utah	*0103	*02	*3910	*3910/16			SSOP
4251	Ellis, Thomas	*0101	*0201	*3910	*3910	*1203	*1203	PCR-SSO, SEQ
762	Fischer&Mayr	*0103	*0201	*3910		*1203		SSO, SSP, SBT
3135	Fischer, John	*0103	*0201/01L	*3910		*1203		PCR-SSO, SBT
4691	Hajeer, Ali	*01	*02	*39	*39	*12	*12	SSO
810	Hamdi, Nuha	*0103	*02010101	*3910	*3916	*120302	*120203	SSO
5803	Henrico's Do	*01	*02	*39		*12		SSP
1461	Hidajat, Mela	*0103	*0201	*3910		*1203	*1203	SSO, SSP
615	Holdsworth, R	*01	*02	*39				SSP
2344	Hurley&Hartz	*0103	*02010101/010102L+	*3910		*12030101+	*12030101+	SBT, SSOP
797	Kato, Shunich	*0103	*0201/01L	*3910		*1203		SSO, SBT
2847	Kihara, Masaa	*01	*02	*39		*12		RVSSO
87	Land, Geoff	*0103	*0201	*3910	*3910	*1203	*1203	SBT, SSP, SSO
278	Lee, Jar-How	*0103	*0201	*3910		*1203		SSP, RVSSOP
640	Lee, Kyung Wh	*0103	*0201	*3910		*1203		PCR-SBT
4651	Leech, Stephe	*01	*02	*39		*12		SSOP
9916	McIntyre, Joh	*0103	*020101	*3910		*1203		SBT, SSP
733	Mytilineos, J	*01	*02	*39		*12		PCR-SSO
8022	Olerup, Olle	*0103	*0201	*3910		*1203		SSP
5096	Park, Yun Mi	*01	*02	*39	*39			PCR-SSO
3648	Pereira, Noem	*0103	*0201/01L	*3910		*1203		RSSO, SSP, SBT
3966	Permpikul&Ve	*01	*0201	*3910		*12		PCR-SSP
2400	Phelan, Donna	*0103	*0201/43N	*3910		*1203		RSSO, SSP, SBT
3753	Reed, Elaine	*0103	*0201	*3910	*3910	*1203	*1203	SBT, SSO
3625	Rees, Tracey	*0103	*0201	*3910	*39	*12		PCR-SSP, SBT
3798	Reinsmoen, N	*0103	*020101/01L	*3910		*120301		SBT, RSSO, SSP
1694	Sauer&Gottwa	*01	*02	*39		*12		SSP
3545	Scornik, Juan	*0103	*0201	*3910		*1203		RVSSOP, SBT
8042	Shainberg, Br	*0103	*0201	*3910		*1203		SSOP, SSP
735	Smith/MI	*01	*02	*39		*12		RVSSOP
746	Stamm, Luz	*0103	*0201	*3910		*1203		RSSO, SSP, SBT
13	Tagliere, Jac	*0103	*0201	*3910		*1203		SSP
4021	Trachtenberg	*0103	*02	*3910/16/20		*12		RVSSO, SSP
5462	Turner, E.V.	*0103	*0201	*3910		*1203		SEQ, SSO, SSP

## SUMMARY

Extract 453 (Caucasian)  
50 labs  
 A\*32 32%  
 A\*3204 66%  
 A\*32 98% TOTAL  
 A\*68 38%  
 A\*6801/11N/33 8%  
 A\*6801/11N 18%  
 A\*680102/11N 6%  
 A\*6801/33 4%  
 A\*6801 20%  
 A\*680102 6%  
 A\*68 100% TOTAL

50 labs  
 B\*27 52%  
 B\*2703 2%  
 B\*2705/13 18%  
 B\*2705 28%  
 B\*27 100% TOTAL

B\*35 52%  
 B\*3501/42/57 8%  
 B\*3501/42 4%  
 B\*3501/57 8%  
 B\*3501 20%  
 B\*350101 6%  
 B\*3542 2%  
 B\*35 100% TOTAL

46 labs  
 Cw\*02 39%  
 Cw\*0202 48%  
 Cw\*020201 2%  
 Cw\*020202 11%  
 Cw\*02 100% TOTAL  
 Cw\*04 50%  
 Cw\*0401/09N/30 15%  
 Cw\*0401/09N 2%  
 Cw\*0401/30 7%  
 Cw\*0401 22%  
 Cw\*040101 2%  
 Cw\*04010101 2%  
 Cw\*04 100% TOTAL

Extract 454  
50 labs  
 A\*01 48%  
 A\*0101 42%  
 A\*010101 4%  
 A\*01010101 6%  
 A\*01 100% TOTAL

A\*26 32%  
 A\*2608 68%  
 A\*26 100% TOTAL

50 labs  
 B\*15 48%  
 B\*1501 40%  
 B\*150101 4%  
 B\*15010101 8%  
 B\*15 100% TOTAL

46 labs  
 Cw\*03 43%  
 Cw\*0303/20N 13%  
 Cw\*030301/20N 4%  
 Cw\*0303 33%  
 Cw\*030301 7%  
 Cw\*03 100% TOTAL  
 Cw\*04 55%  
 Cw\*0401/09N/30 11%  
 Cw\*0401/09N 2%  
 Cw\*0401/30 4%  
 Cw\*0401 24%  
 Cw\*040101 2%  
 Cw\*04010101 2%  
 Cw\*04 100% TOTAL

Extract 455 (Caucasian)  
50 labs  
 A\*02 54%  
 A\*0201 36%  
 A\*020101 8%  
 A\*02010101 2%  
 A\*02 100% TOTAL

A\*25 38%  
 A\*2502 60%  
 A\*25 98% TOTAL

50 labs  
 B\*08 46%  
 B\*0801/19N 10%  
 B\*0801 32%  
 B\*080101 12%  
 B\*08 100% TOTAL

B\*44 50%  
 B\*4402/19N/27 4%  
 B\*4402/19N 12%  
 B\*4402/27 2%  
 B\*4402 24%  
 B\*440201 4%  
 B\*44020101 4%  
 B\*44 100% TOTAL

46 labs  
 Cw\*05 52%  
 Cw\*0501/03 9%  
 Cw\*0501 30%  
 Cw\*050101 7%  
 Cw\*05 98% TOTAL  
 Cw\*07 54%  
 Cw\*0701/06/18/52 7%  
 Cw\*0701/06/18 7%  
 Cw\*0701/06 2%  
 Cw\*0701/52 2%  
 Cw\*0701 26%  
 Cw\*070101 2%  
 Cw\*07 100% TOTAL

Extract 456 (Black)  
50 labs  
 A\*01 32%  
 A\*0101 2%  
 A\*0103 66%  
 A\*01 100% TOTAL  
 A\*02 44%  
 A\*0201 46%  
 A\*020101 8%  
 A\*02010101 2%  
 A\*02 100% TOTAL

49 labs  
 B\*39 35%  
 B\*3910 65%  
 B\*39 100% TOTAL

45 labs  
 Cw\*12 35%  
 Cw\*1203 56%  
 Cw\*120301 7%  
 Cw\*120302 2%  
 Cw\*12 100% TOTAL

INVESTIGATOR	CELL NO.1365 (Chinese)		B1	B2	C1	C2	method	
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*02		*27	*48	*03	*12	RVSSO
745	Anthony Nola	*020301	*0207	*270401	*480101	*0304	*1202	SSO,SSP,SBT
2020	Barnardo,Mar	*020301	*0207	*270401	*480101	*030401/03//02	*120201/02//03	PCR-SSP,SBT
5106	Brown,Colin	*0203	*0207	*2704	*4801/09/11/16	*03	*1202/17	PCR-SSOP,SBT
774	Cecka,J.Mich	*0203/22/25/26	*0207	*27	*48	*03	*12	SSP
5232	Charlton,Ron	*0203	*0207	*2704	*4801	*0304	*1202	SSP,RVSSO
4492	Charron,D.	*02	*02	*27	*48			
798	Claas,F.H.J.	*020301	*0207	*270401	*480101	*0304	*1202	PCR-RLB,SBT
3632	Colombe,Beth	*0203	*0207	*2704	*4801	*0304	*1202	SSP
3904	Cooper,E.Sha	*0203	*0207	*27	*48	*0304/06/08	*1202/16	SSP
5130	Costeas,Paul	*0203	*0207	*2704	*4801	*0304	*1202	SSP
779	Daniel,Claud	*0203	*0207	*27	*48	*03(Cw10)	*12	PCR-SSP
8052	Del Pozo,Ana	*0203	*02	*27	*48			SSO
3186	Dunckley,Hea	*02		*27	*48	*0304-06/08+	*12	SSP
3766	Dunn,Paul	*0203/*9248	*02	*27	*48	*03	*1202/17	SSO
856	Dupont,Bo	*0203/*9217	*0207/15N/18	*2704/36	*4801/09/10/12/15+	*0304+	*1202/08/17	SSO
5214	Eckels/CPMC	*02	*02	*27	*48	*03	*12	SSOP
2332	Elkhalifa,Mo	*02		*27	*48	*03	*12	
4251	Ellis,Thomas	*0203	*0207	*2704	*4801	*0304	*1202	PCR-SSO,SEQ
762	Fischer&Mayr	*0203	*0207/15N	*2704	*4801/09	*0304	*1202	SSO,SSP,SBT
810	Hamdi,Nuha	*020301	*02010101	*270401	*4809	*0309	*120201	SSO
4269	Hanau,Daniel	NT						
741	Harvill,Terr	*0203	*02	*27	*48	*03	*12	SSO
3808	Hogan,Patric	*02		*2704/06/10/15+	*48	*03	*12	SSP
771	Israel,Shosh	*02		*27	*48	*03	*12	PCR-SSOP
859	Kamoun,Malek	*0203	*0207	*2704	*4801/09/11/15	*0304	*1202	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0203	*0207/15N	*2704	*4801	*0304	*1202	SBT
168	Klein,Tirza	*02	*02	*27	*48	*03	*12	PCR-SSO,SSP
278	Lee,Jar-How	*0203	*0207	*2704	*4801/09	*0304/23/24+	*1202	SSP,RVSSOP
731	Loewenthal,R	*020301	*0207	*270401	*480101	*0304	*1202	SSO,SBT
759	Lopez-Cepero	*0203	*0201/04/07/09+	*2704/03/05/10+	*4801/09/11/15	*0304/06/09+	*1202/17	RVSSO
8029	Mani,Rama	*02	*02	*27	*48			PCR-SSP
792	Moore,S.Brea	*0203	*0207	*2704	*4801	*0304	*1202	PCR-SSO,SSP
4336	Park,Myoung	*02		*2704/36	*48	*03	*12	RVSSO
16	Pidwell,Dian	*020301	*0207	*270401	*480101	*0304	*1202	RSSO,SBT,SSP
4689	Rajczyk,Katal	*020301	*0207	*270401	*480101	*03	*1202/11	PCR-RVSSO,SBT
3625	Rees,Tracey	*0203	*0207	*2704	*4801	*0304	*12	SBT,PCR-SSP
5200	Reinke,Denni	*02		*27	*48	*03(Cw10)	*12	SSP
1160	Rosen-BronGT	*02		*27	*48	*03	*12	SSP,RVSSO
793	Rubocki,Ron	*02		*27	*48	*03(Cw10)	*12	SSP
4948	Sage,Deborah	*0203	*0207	*2704	*4801/09	*0304	*1202	SSO,SBT
3519	Semana,Gilbe	*0203	*0207	*2704	*4801	*0304	*1202	SBT
8001	Sheikh,Maqso	*02		*27	*48	*0304/06/09+	*12	RVSSO,SSP
769	Tavoularis,S	*0203	*0207	*2704	*4801	*0304	*1202	SSO,SBT,SSP
747	Tiercy,Jean-	*020301	*0207	*270401	*480101	*0304	*1202	SSO,SBT,SSP
5451	Tilanus,Marc	*020301	*0207	*270401	*480101	*0304	*1202	SBT
5462	Turner,E.V.	*0203	*0207	*2704	*4801	*0304	*1202	SEQ,SSO,SSP
705	Watkins,Davi	*0201g		*2704	*4801/09/11/16	*0304g	*1202/17	SSO

INVESTIGATOR		CELL NO.1366 (Caucasian)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*26	*30	*38	*15	*08	*12	RVSSO
745	Anthony Nola	*260101	*3004	*380101	*1502	*080101	*120301	SSO,SSP,SBT
2020	Barnardo,Mar	*260101	*3004	*380101	*1502	*0801/20/22	*120301/06	PCR-SSP,SBT
5106	Brown,Colin	*26	*3004/06	*3801/09/11/12+	*1502	*0801/08	*1203/06/12/13	PCR-SSOP,SBT
774	Cecka,J.Mich	*26	*30	*3801/02/09/11+	*1502/*9512	*08	*12	SSP
5232	Charlton,Ron	*2601	*3004	*3801	*1502	*0801	*1203	SSP,RVSSO
4492	Charron,D.	*26	*30	*38	*15			
798	Claas,F.H.J.	*260101	*3004	*380101	*1502	*080101	*120301	PCR-RLB,SBT
3632	Colombe,Beth	*2601	*3004	*3801	*1502	*0801	*1203	SSP
3904	Cooper,E.Sha	*26	*30	*38	*1502	*08	*12	SSP
5130	Costeas,Paul	*2601	*3004	*3801	*1502	*0801	*1203	SSP
779	Daniel,Claud	*26	*30	*38	*1502/88	*08	*12	PCR-SSP
8052	Del Pozo,Ana	*26	*3004/06	*3801/09	*1502/*9512			SSO
3186	Dunckley,Hea	*26	*30	*38	*15	*08	*12	SSP
3766	Dunn,Paul	*26	*3004/06	*3801/09	*1502/*9512	*0801/08	*12	SSO
856	Dupont,Bo	*2601/02/10/15/17+	*3004/06	*3910/16/20/39	*1513	*0801+	*1203/06/07/12/13	SSO
5214	Eckels/CPMC	*26	*30	*38	*15	*08	*12	SSOP
2332	Elkhalifa,Mo	*26	*30	*38	*15	*08	*12	
4251	Ellis,Thomas	*2601	*3004	*3801	*1502	*0801	*1203	PCR-SSO,SEQ
762	Fischer&Mayr	*2601/24/26	*3004	*3801	*1502	*0801	*1203	SSO,SSP,SBT
810	Hamdi,Nuha	*260101	*3004	*3809	*1502	*080101	*120302	SSO
4269	Hanau,Daniel	*260101	*3004	*380101	*1502	*080101/22	*120301	PCR-SSP,SBT
741	Harvill,Terr	*26	*30	*38	*15	*08	*12	SSO
3808	Hogan,Patric	*26	*30	*38	*1502/88/*9521/39	*08	*12	SSP
771	Israel,Shosh	*26	*30	*38	*1502	*08	*12	PCR-SSOP
859	Kamoun,Malek	*2601	*3004	*3801	*1502	*0801	*1203	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*2601	*3004	*3801	*1502	*0801	*1203	SBT
168	Klein,Tirza	*2601	*3004	*3801	*1502	*0801	*1203	PCR-SSO,SSP
278	Lee,Jar-How	*2601/24/26/37	*3004	*3801/09	*1502/*9512	*0801	*1203	SSP,RVSSOP
731	Loewenthal,R	*260101	*3004	*380101	*1502	*080101	*120301	SSO,SBT
759	Lopez-Cepero	*2601/10/15/17/23+	*3004/06	*3801/09	*1502/*9512	*0801/08	*1203/06/07/12/13	RVSSO
8029	Mani,Rama	*26	*30	*38	*15			PCR-SSP
792	Moore,S.Brea	*2601	*3004	*3801	*1502	*1801	*1203	PCR-SSO,SSP
4336	Park,Myoung	*26	*3004/06	*38	*1502/88	*08	*12	RVSSO
16	Pidwell,Dian	*260101	*3004	*380101	*1502	*080101/22	*120301	RSSO,SBT,SSP
4689	Rajczyk,Katal	*260101	*3004	*380101	*1502	*08	*12	PCR-RVSSO,SBT
3625	Rees,Tracey	*2601	*3004	*3801	*1502	*0801	*12	SBT,PCR-SSP
5200	Reinke,Denni	*26	*30	*38	*15(B75)	*08	*12	SSP
1160	Rosen-BronGT	*26	*3004/06	*38	*1502/*9512	*08	*12	SSP,RVSSO
793	Rubocki,Ron	*26	*30	*38	*15(B75)	*08	*12	SSP
4948	Sage,Deborah	*2601	*3004	*3801	*1502	*0801	*1203	SSO,SBT
3519	Semana,Gilbe	*2601	*3004	*3801	*1502	*0801	*1203	SBT
8001	Sheikh,Maqso	*26	*30	*38	*1502/*9512	*08	*12	RVSSO,SSP
769	Tavoularis,S	*2601	*3004	*3801	*1502	*0801	*1203	SSO,SBT,SSP
747	Tiercy,Jean-	*260101/0107	*3004	*380101	*1502	*080101/22	*12030101/030102	SSO,SBT,SSP
5451	Tilanus,Marc	*260101	*3004	*380101	*1502	*080101	*120301	SBT
5462	Turner,E.V.	*2601	*3004	*3801	*1502	*0801	*1203	SEQ,SSO,SSP
705	Watkins,Davi	*2601g	*3004/06	*3801/09/11/12+	*1502	*0801/08	*1203/06/07/12/13	SSO



INVESTIGATOR		CELL NO.1367 (Hispanic)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
8062	Al-Attas,Rab	*02		*39	*15	*01	*07	RVSSO
745	Anthony Nola	*020101	*020601	*3908	*150101	*010201	*070201	SSO,SSP,SBT
2020	Barnardo,Mar	*020101	*020601	*3908	*15010101	*0102/17/22	*0702/50	PCR-SSP,SBT
5106	Brown,Colin	*0201	*0206	*3908	*1501	*01	*07	PCR-SSOP,SBT
774	Cecka,J.Mich	*0201/92	*0206/*9206/26+	*3902/08/13/23	*15	*01	*07	SSP
5232	Charlton,Ron	*0201	*0206	*3908	*1501	*0102	*0702	SSP,RVSSO
4492	Charron,D.	*0201/*9247/50/51+	*0206/85/*9244	*3908	*1501	*0102/22	*0702/54	
798	Claas,F.H.J.	*020101	*020601	*3908	*15010101	*010201	*070201	PCR-RLB,SBT
3632	Colombe,Beth	*0201	*0206	*3908	*1501	*0102	*0702	SSP
3904	Cooper,E.Sha	*02010101/010103+	*0206	*39	*15010101/0102-0108	*01	*07	SSP
5130	Costeas,Paul	*0201	*0206	*3908	*1501	*0102	*0702	SSP
779	Daniel,Claud	*0201	*0206	*39	*15(B62)	*01	*07	PCR-SSP
8052	Del Pozo,Ana	*02	*02	*3908	*15			SSO
3186	Dunckley,Hea	*02		*39	*1501/04/05/07/27+	*01	*07	SSP
3766	Dunn,Paul	*0201g	*0206g	*3908	*15	*01	*07	SSO
856	Dupont,Bo	*0201+	*0206+	*3902/08/13/23	*1501+	*0102/06-08+	*0702/10/17/19+	SSO
5214	Eckels/CPMC	*02	*02	*3908	*15	*01	*07	SSOP
2332	Elkhalifa,Mo	*02		*39	*15	*01	*07	
4251	Ellis,Thomas	*0201	*0206	*3908	*1501	*0102	*0702/50	PCR-SSO,SEQ
762	Fischer&Mayr	*0201	*0206/*9226	*3908	*1501	*0102	*0702/50	SSO,SSP,SBT
810	Hamdi,Nuha	*02010101	*0228	*3908	*1533	*010201	*07020101	SSO
4269	Hanau,Daniel	NT						
741	Harvill,Terr	*02	*02	*3908	*15	*01	*07	SSO
3808	Hogan,Patric	*02		*39	*1501g	*01	*07	SSP
771	Israel,Shosh	*02		*39	*1501	*01	*07	PCR-SSOP
859	Kamoun,Malek	*0201	*0206	*3908	*1501	*01	*0702	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0201	*0206	*3908	*1501	*0102	*0702	SBT
168	Klein,Tirza	*02	*02	*39	*15	*01	*07	PCR-SSO,SSP
278	Lee,Jar-How	*0201/68/*9211+	*0206	*3908	*1501/94N/97/*9502+	*0102/11/15-19	*0702/32N/39/46+	SSP,RVSSOP
731	Loewenthal,R	*020101	*020601	*3908	*150101	*010201/17	*070201/50/39	SSO,SBT
759	Lopez-Cepero	*0201/04/07/09/17+	*0206/10/21/28+	*3908	*1501/27/28/33/34+	*0102/07/11+	*0702/38/39/46+	RVSSO
8029	Mani,Rama	*02	*02	*39	*15			PCR-SSP
792	Moore,S.Brea	*0201	*0206	*3908	*1501	*0102	*0702	PCR-SSO,SSP
4336	Park,Myoung	*02		*39	*15	*01	*07	RVSSO
16	Pidwell,Dian	*020101	*020601	*3908	*150101	*010201//*0117	*070201/50//*0739	RSSO,SBT,SSP
4689	Rajczyk,Katal	*020101	*020601	*3908	*15010101	*01	*07	PCR-RVSSO,SBT
3625	Rees,Tracey	*0201	*0206	*3908	*1501	*0102	*0702	SBT,PCR-SSP
5200	Reinke,Denni	*02		*39	*15(B62)	*01	*07	SSP
1160	Rosen-BronGT	*02		*3908	*15	*01	*07	SSP,RVSSO
793	Rubocki,Ron	*02		*39	*15(B62)	*01	*07	SSP
4948	Sage,Deborah	*0201	*0206	*3908	*1501/*9502/04/40+	*0102/17	*0702/39/50	SSO,SBT
3519	Semana,Gilbe	*0201	*0206	*3908	*1501	*01	*07	SBT
8001	Sheikh,Maqso	*02		*39	*1501/78/79N/82/92+	*01	*07	RVSSO,SSP
769	Tavoularis,S	*0201	*0206	*3908	*1501	*0102/17	*0702/39	SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*020101	*020601	*3908	*15010101	*010201	*070201	SBT
5462	Turner,E.V.	*0201	*0206	*3908	*1501/01N	*0102	*0702	SEQ,SSO,SSP
705	Watkins,Davi	*0201g		*3908	*1501g	*0102g	*0702g	SSO

INVESTIGATOR	CELL NO.1368 (Chinese/Filipino)		B1	B2	C1	C2	method
CTR NAME	A1	A2					
8062 Al-Attas,Rab	*11	*33	*35	*55	*01	*04	RVSSO
745 Anthony Nola	*110101	*330301	*3503	*550201	*010201	*040101	SSO,SSP,SBT
2020 Barnardo,Mar	*110101	*330301	*3503	*550201	*0102/17/25	*0401/10/28/30	PCR-SSP,SBT
5106 Brown,Colin	*1101	*3303	*3503	*5502	*01	*04	PCR-SSOP,SBT
774 Cecka,J.Mich	*11	*33	*35	*5502/07/12/13/16+	*01	*04	SSP
5232 Charlton,Ron	*1101	*3303	*3503	*5502	*0102	*0401	SSP,RVSSO
4492 Charron,D.	*1101/33/34/36/37	*3303/20/22	*3503/06/70	*5502	*0102	*0401/35	
798 Claas,F.H.J.	*110101	*330301	*3503	*550201	*010201	*040101	PCR-RLB,SBT
3632 Colombe,Beth	*1101	*3303	*3503	*5502	*0102	*0401	SSP
3904 Cooper,E.Sha	*11	*33	*35	*55	*01	*04	SSP
5130 Costeas,Paul	*1101	*3303	*3503	*5502	*0102	*0401	SSP
779 Daniel,Claud	*11	*33	*35	*55	*01	*04	PCR-SSP
8052 Del Pozo,Ana	*11	*33	*35	*55			SSO
3186 Dunckley,Hea	*11	*33	*35	*55		*04	SSP,SBT
3766 Dunn,Paul	*11	*33	*3503/36/55/70+	*5502/12/19/30	*01	*04	SSO
856 Dupont,Bo	*1101-03/08/09/12+	*3303/06/11/12	*3503/36/55/56+	*5501+	*0102/06-08+	*0401/05/09N/12+	SSO
5214 Eckels/CPMC	*11	*33	*35	*55	*01	*04	SSOP
2332 Elkhalfifa,Mo	*11	*33	*35	*55	*01	*04	
4251 Ellis,Thomas	*1101	*3303	*3503	*5502	*0102	*0401/30	PCR-SSO,SEQ
762 Fischer&Mayr	*1101/21N	*3303/15	*3503/70	*5502	*0102	*0401/09N/28/30	SSO,SSP,SBT
810 Hamdi,Nuha	*110101	*3301	*3503	*550201	*010201	*04010101	SSO
4269 Hanau,Daniel	NT						
741 Harvill,Terr	*11	*33	*35	*55	*01	*04	SSO
3808 Hogan,Patric	*11	*33	*35	*55	*01	*04	SSP
771 Israel,Shosh	*11	*33	*35	*55	*01	*04	PCR-SSOP
859 Kamoun,Malek	*1101	*3303	*3503	*5502	*01	*0401	PCR-SSO,SSP
4337 Kim,Tai-Gyu	*1101	*3303	*3503	*5502	*0102	*0401	SBT
168 Klein,Tirza	*1101	*3303	*3503	*5502	*0102	*0401	PCR-SSO,SSP
278 Lee,Jar-How	*1101/30/32	*3303/14/15	*3503/55	*5502	*0102/11/14-18	*0401/18-20/24+	SSP,RVSSOP
731 Loewenthal,R	*110101	*330301	*3503	*550201	*010201	*040101/09N/30	SSO,SBT
759 Lopez-Cepero	*1101-03/07/12+	*3301/03-06+	*3503/36/55/70+	*5502/12/19/30	*0102/03/07+	*0401/05/07/10+	RVSSO
8029 Mani,Rama	*11	*33	*35	*55			PCR-SSP
792 Moore,S.Brea	*1101	*3303	*3503	*5502	*0102	*0401	PCR-SSO,SSP
4336 Park,Myoung	*11	*33	*35	*55	*01	*04	RVSSO
16 Pidwell,Dian	*110101	*330301	*350301	*550201	*010201	*040101/30	RSSO,SBT,SSP
4689 Rajczyk,Katal	*110101	*330301	*350301	*550201	*01	*04	PCR-RVSSO,SBT
3625 Rees,Tracey	*1101	*3303	*3503	*5502	*0102	*0401	SBT,PCR-SSP
5200 Reinke,Denni	*11	*33	*35	*55	*01	*04	SSP
1160 Rosen-BronGT	*11	*33	*35	*55	*01	*04	SSP,RVSSO
793 Rubocki,Ron	*11	*33	*35	*55	*01	*04	SSP
4948 Sage,Deborah	*1101	*3303	*3503/70	*5502	*0102	*0401/09N/28/30	SSO,SBT
3519 Semana,Gilbe	NT						
8001 Sheikh,Maqso	*11	*33	*35	*55	*01	*04	RVSSO,SSP
769 Tavoularis,S	*1101	*3303	*3503	*5502	*0102	*0401	SSO,SBT,SSP
747 Tiercy,Jean-	NT						
5451 Tilanus,Marc	*110101	*330301	*350301	*550201	*010201	*040101	SBT
5462 Turner,E.V.	*1101	*3303	*3503	*5502	*0102	*0401	SEQ,SSO,SSP
705 Watkins,Davi	*1101g	*3301g	*3503/36/55/60+	*5502/19/30/*5611	*0102g	*0401g	SSO

Cell 1365 (Chinese)		Cell 1366 (Caucasian)		Cell 1367 (Hispanic)		Cell 1368 (Chinese/Filipino)	
<u>47 labs</u>		<u>48 labs</u>		<u>46 labs</u>		<u>45 labs</u>	
A*02	38%	A*26	52%	A*02	48%	A*11	53%
A*0203	43%	A*2601	29%	A*0201	35%	A*1101	29%
A*020301	19%	A*260101	19%	A*020101	15%	A*110101	18%
A*02	100% TOTAL	A*26	100% TOTAL	A*02010101	2%	A*11	100% TOTAL
				A*02	100% TOTAL		
A*02	47%	A*30	31%	A*02	48%	A*33	53%
A*02010101	2%	A*3004/06	17%	A*0206	35%	A*3301	2%
A*0207	51%	A*3004	52%	A*020601	15%	A*3303	29%
A*02	100% TOTAL	A*30	100% TOTAL	A*0228	2%	A*330301	16%
				A*02	100% TOTAL	A*33	100% TOTAL
<u>47 labs</u>		<u>48 labs</u>		<u>46 labs</u>		<u>45 labs</u>	
B*27	47%	B*38	42%	B*39	33%	B*35	55%
B*2704	34%	B*3801/09	8%	B*3908	67%	B*3503	38%
B*270401	19%	B*3801	29%	B*39	100% TOTAL	B*350301	7%
B*27	100% TOTAL	B*380101	19%			B*35	100% TOTAL
		B*3809	2%	B*15	48%		
B*48	60%	B*38	100% TOTAL	B*1501	35%	B*55	44%
B*4801	21%			B*150101	6%	B*5502	36%
B*480101	17%	B*15	25%	B*15010101	9%	B*550201	18%
B*4809	2%	B*1502/*9512	15%	B*1533	2%	B*55	98% TOTAL
B*48	100% TOTAL	B*1502	58%	B*15	100% TOTAL		
		B*1513	2%				
		B*15	100% TOTAL				
<u>44 labs</u>		<u>45 labs</u>		<u>44 labs</u>		<u>43 labs</u>	
Cw*03	52%	Cw*08	47%	Cw*01	71%	Cw*01	56%
Cw*0304	46%	Cw*0801/08	9%	Cw*0102	20%	Cw*0102	30%
Cw*0309	2%	Cw*0801	31%	Cw*010201	9%	Cw*010201	14%
Cw*03	100% TOTAL	Cw*080101	11%	Cw*01	100% TOTAL	Cw*01	100% TOTAL
		Cw*08	98% TOTAL				
Cw*12	43%			Cw*07	59%	Cw*04	68%
Cw*1202/17	9%	Cw*12	47%	Cw*0702/39/50	5%	Cw*0401	23%
Cw*1202	46%	Cw*1203	36%	Cw*0702/39	2%	Cw*040101	7%
Cw*120201	2%	Cw*120301	15%	Cw*0702/50	7%	Cw*04010101	2%
Cw*12	100% TOTAL	Cw*120302	2%	Cw*0702	18%	Cw*04	100% TOTAL
		Cw*12	100% TOTAL	Cw*070201	7%		
				Cw*07020101	2%		
				Cw*07	100% TOTAL		

INTERNATIONAL CELL EXCHANGE

		***** CELL NO.1365 *****					***** CELL NO.1366 *****					***** CELL NO.1367 *****					***** CELL NO.1368 *****														
		(CHIN)					(CAUC)					(HISP)					(CHFP)														
INVESTIGATOR	DAYS	A	B	B	C	B	B	A	A	A	B	B	C	C	B	A	A	A	B	B	C	C	B	A	A	B	B	C	C	B	
NAME	OLD	%	7	8	3	4	6	%	6	0	8	5	8	4	6	%	9	2	1	7	6	OTHERS	%	1	3	5	5	1	4	6	OTHERS
Abbal, Michel	7	90	+	+		+	+	B81	98	+	+	+	+	+	+	98	+	+	+	+			95	+	+	+	+		+		
Al-Attas, Rab	7	NT							NT							NT							NT								
Alonso, Anton	6	90	+	+	+				90	+	+	+	+	+		90	+	+	+	+			90	+	+	+	+	+			
Alvarez, Carr	7	100	+	+	+	+	+	B60	100	+	+	+	+	+		100	+	+	+	+			100	+	+	+	+		+		
Anthony Nola	3	99	+	+				B40	99	+	+	+	+			99	+	+	+				99	+	+	+					
Berka, Noured	2	99	+	+	+	+	+	A28	99	+	+	+	+	+		99	+	+	+	+	+		99	+	+	+	+	+	+		
Bow, Laurine	6	99	+	+	+	+	+		99	+	+	+	+	+		98	+	+	+	+			98	+	+	+	+	+	+		
Burger, Joe	2	99	+	+	+	+	+	CW2	99	+	+	+	+	+	B62	99	+	+	+	+	+		99	+	+	+	+	+	+		
Cecka, J. Mich	3	95	+	+		+	+		95	+	+	+	+			95	+	+	+				95	+	+	+		+			
Chan MD, Soh	6	C							95	+	+	+		B62	95	+	+	+	+	+			96	+	+	+	+	+	+		
Charron, D. P	6	97	+	+				B40	95	+	+	+15			90	+	16	+					90	+	+	+					
Choo, Yoon MD	3	99	+	+	+	+	+		99	+	+	+	+	+		99	+	+	+	+			99	+	+	+	+	+	+		
Claas, F.H.J.	6	90	+	+	+	+	+		90	+	+	+	+			90	+	+	+	+			90	+	+	+	+	+	+		
Cooper, E. Sh	2	99	+	+		+	+		99	10	+	+	+	+		99	+	16	+				99	+	+	+22		+			
Dhaliwal, J.S	10	C							C							C							C								
Du Toit, Erne	7	NT							C							NT							C								
Dunckley, Hea	14	C							99	+	+	+15			99	+	1615						C								
Dunk, Arthur	2	98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+	+		
Dunn, Paul Dr	6	95	+	+		+	+	B60	95	+	+	+	+	+		95	+	+	+	+			95	+	+	+	+	+			
Eckels/CPMC,	2	99	+	+	+	+	+	CW7	99	+	+	+	+	+		99	+	+	+	+	+		99	+	+	+	+	+	+		
Eckels/Utah,	3	98	+	+	+	+	+		98	+	+	+	+			98	+	+	+	+	+		99	+	+	+	+	+	+		
Eisenbrey, A.	3	99	+	+	+10	+	+	CX12	99	+	+	+	+	+	CX12	99	+	+	+	+	+		99	+	+	+	+	+	+		
Esteves Kond	2	98	+	+	+10	+	+		98	+	+	+	+	+		98	+	+	+	+	+	B39V	98	01	+	+	+	+	+		
Fischer, Joha	6	98	+	+		+	+		98	+	+	+	+	+		98	+	+	+	+			98	+	+	+	+	+			
Hahn, Amy B.	3	99	+	+	+10	+	+	CW2, B60	99	+	+	+	+	+		99	+	+	+	+			90	+	+	+	+	+	+	B70, B42	
Hanau, Daniel	7	NT							70	+	+	+15			60	+	+					NT									
Harville, Ter	6	98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+	+		
Hirankarn MD	7	93	+	+		+	+	B81, B7	84	+	+	+	+	+		88	+	+					91	.	1	+	+	+	+		
Hogan, Patric	8	90	+	+	+	+	+		90	+	+	+	+			C							90	+	+	+	+	+	+		
Holdsworth, R	9	90	+	+	+	+	+		98	+	+	+	+	+		90	+	+	+				90	+	+	+	+	+	+		
Hubbell, Char	6	95	+	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+			95	+	+	+	+	+	+		
Ichikawa MD,	13	NT							80	+	+		+	A31, B62	40	+	+	+				80	+	+	+	+	+	+			
Israel, Shosh	5	95	+	+	+	+	+		95	+	+	+15			95	+	+	+	+	+			95	+	+	+	+	+	+		
Jaramillo, An	2	98	+	+	+	+	+	CW2	98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+	+		
Keown, Paul M	3	99	+	+	+	+	+	B60	99	+	+	+15			99	+	+	+	+			99	+	+	+	+	+	+			
Klein, Tirza	6	95	+	+	+	+	+		95	+	+	+	+			95	+	+	+	+	+		95	+	+	+	+	+	+		
Kvam, Vonnett	3	97	+	+	+	+	+		97	+	+	+15			98	+	+	+	+		CX14		98	+	+	+	+	+	+		
Lardy, N.M. D	6	90	+	+		+	+		90	+	+	+	+	+		90	+	+	+	+	+		90	+	+	+	+	+	+		
Lebeck, Laura	3	98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+	+		
Leech MD, Ste	5	95	+	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+	+		95	+	+	+	+	+	+		
Lo, Raymundo	6	98	+	+		+	+	B60	98	+	+	+		B71	98	+	+	+	+		B75		98	01	+	+	+	+			
Loewenthal M	6	90	+	+	+	+	+		90	+	+	+15			90	+	16	+	+	+		BW4		90	+	+	+	+	+		
Lopez-Cepero	2	99	+	+	+	+	+	CX17	99	+	+	+	+	+		99	+	+	+	+	+	3908	99	+	+	+	+	+	+		
MacCann, Eile	2	98	+	+		+	+		98	+	+	+	+			98	+	+	+	+			98	+	+	+	+	+	+		
Mah, Helen	3	98	+	+	+	+	+		98	+	+	+	+			98	+	+	+	+	+		98	+	+	+	+	+	+		
McAlack, Robe	2	97	+	+	+10	+	+	CW2	97	+	+	+	+	+		97	+	+	+	+	+		98	+	+	+	+	+	+		
McAlack-Bala	2	98	+	+	+	+	+	CW2	98	+	+	+	+	+		98	+	+	+	+	+		98	+	+	+	+	+	+		
McCluskey, Ja	10	90	+	+		+	+	C403, B40	95	+	+	+15			95	+	+	15	+				90	+	+	+	+	+	+		
Meyer, Pieter	7	85	+	+		+	+	B60	85	+	+	+		B70	75	+	+	+	+		B70		85	+	+	+	+	+			
Mpuntsha, Loy	6	90	+	+		+	+		90	+	1615		+	A31	90	+	16	+	+	+			90	+	+	+22		+			



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

(CHIN)  
 \*\*\*\* CELL 1365 \*\*\*\*  
 (65 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
 B27 100.0%  
 B48 83.1%  
 CW3 60.0%  
 CW10 6.2%  
 ( 66.2%)  
 BW4 89.2%  
 BW6 87.7%

(CAUC)  
 \*\*\*\* CELL 1366 \*\*\*\*  
 (70 SAMPLES TYPED)  
 A26 95.7%  
 A10 1.4%  
 ( 97.1%)  
 A30 95.7%  
 ( 95.7%)  
 B38 95.7%  
 B16 2.9%  
 ( 98.6%)  
 B75 75.7%  
 B15 17.1%  
 ( 92.9%)  
 CW8 30.0%  
 BW4 82.9%  
 BW6 87.1%

(HISP)  
 \*\*\*\* CELL 1367 \*\*\*\*  
 (67 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
 B39 82.1%  
 B16 9.0%  
 ( 91.0%)  
 B62 95.5%  
 B15 4.5%  
 (100.0%)  
 CW1 55.2%  
 CW7 59.7%  
 BW6 85.1%

(CHFP)  
 \*\*\*\* CELL 1368 \*\*\*\*  
 (66 SAMPLES TYPED)  
 A11 93.9%  
 11.1 1.5%  
 1101 4.5%  
 (100.0%)  
 A33 98.5%  
 ( 98.5%)  
 B35 100.0%  
 B55 93.9%  
 B22 6.1%  
 (100.0%)  
 CW1 65.2%  
 CW4 69.7%  
 BW6 89.4%

(OTHERS FOUND)  
 B60 13.8%  
 CW2 9.2%  
 B40 4.6%  
 CW7 3.1%  
 CX12 3.1%  
 B81 3.1%  
 A68 1.5%  
 A203 1.5%  
 C403 1.5%  
 B7 1.5%  
 A28 1.5%  
 A74 1.5%  
 CX17 1.5%

(OTHERS FOUND)  
 B62 7.1%  
 A31 2.9%  
 CX12 2.9%  
 B70 1.4%  
 A25 1.4%  
 B71 1.4%

(OTHERS FOUND)  
 B70 1.5%  
 B39V 1.5%  
 CX14 1.5%  
 3908 1.5%  
 BW4 1.5%  
 B75 1.5%

(OTHERS FOUND)  
 A34 1.5%  
 B42 1.5%  
 B70 1.5%  
 B56 1.5%