REPORT OF THE 334th CELL EXCHANGE

JUNE 11, 2008

B-Cell Line	**407-408**
Serum	**957-960**
DNA Extract	**421-424**
Cells	**1333-1336**

B-cell line Exchange

We wish to thank **Eric Mickelson and John Hansen, Fred Hutchinson Cancer Research Center, Seattle**, and **Franz Claas, Leiden University Medical Centre**, **Leiden, The Netherlands**, for sharing interesting cells to study in our exchanges.

TER-407. This cell from a Caucasian individual was BEL7MON, the DRB1*1109 reference, as described by Williams and Middleton (1). This cell was also studied in the workshops as IHW#9322. We congratulate Ball, Chen, Dormoy, Hahn, Lefor, Mah, Pidwell, and Tiercy in their correct assessment that this cell was previously typed as TER-328 (2003). This cell remains the sole DRB1*1109 cell typed in the Cell Exchange

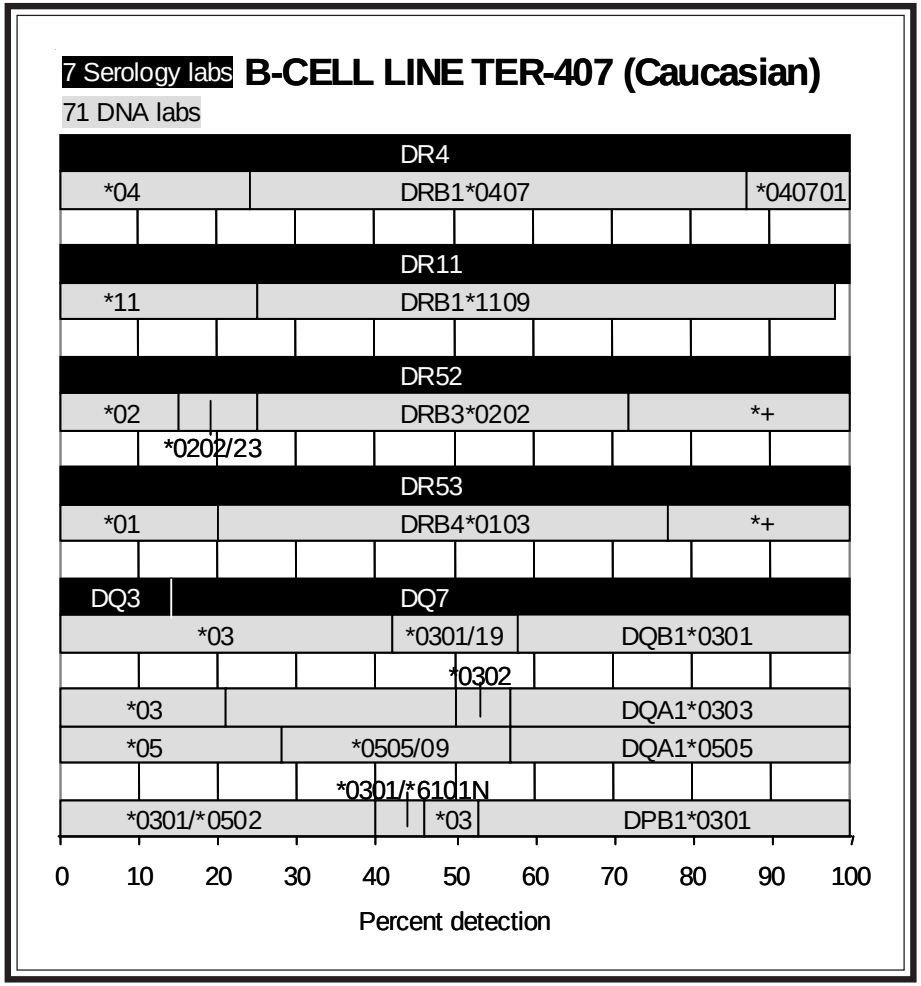
In this present retyping, DRB1*1109 was detected by 73%.

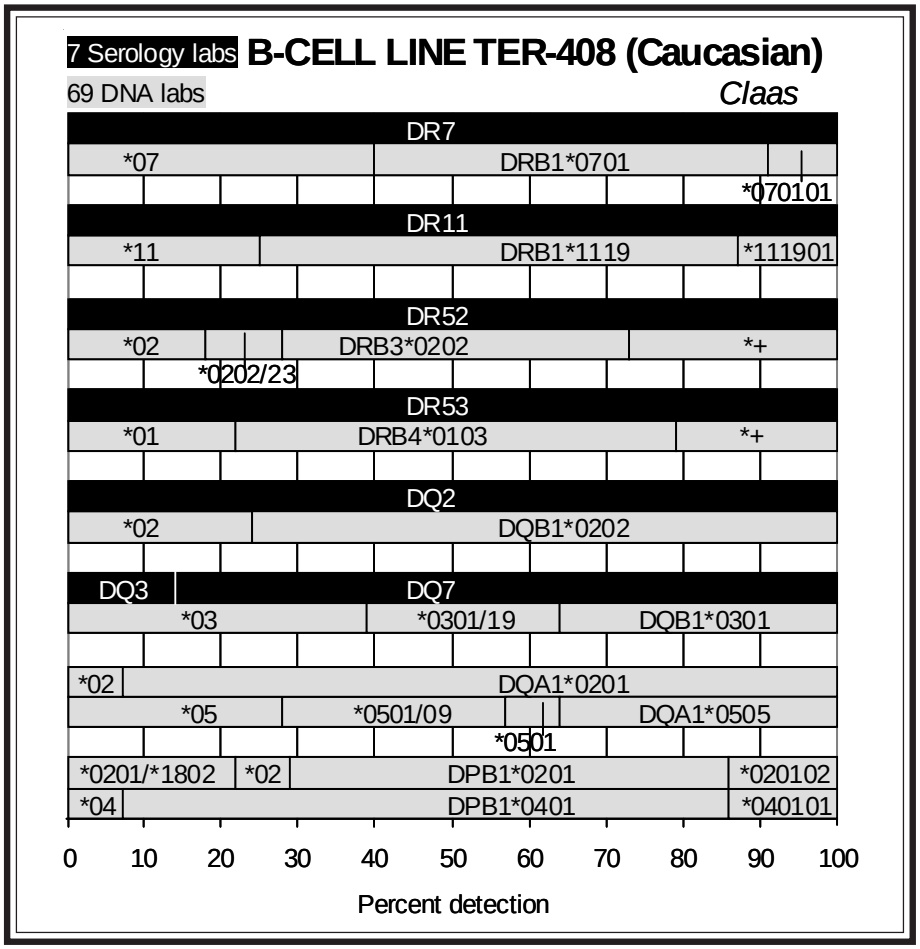
DRB1*0407 (76%) was the second DRB1 allele.

DR4 and DR11 were assigned by 100%.

The probable haplotypes in this cell were the unusual DRB1*0407-DRB4*0103-DQB1*0301-DQA1*0303 and DRB1*1109-DRB3*0202-DQB1*0301-DQA1*0505. DRB1*0407 is normally found in association with DQB1*0302 and DQA1*0301. Other DR4 subtypes, including DRB1*0409, DRB1*0416, and DRB1*0431, are normally associated with DQB1*0301 and DQA1*0303.

This cell was DPB1*0301 (*030101) homozygous. However, 6 of the 15 labs typing for DPB1 alleles could not definitively resolve DPB1*0301 from DPB1*0502.





TER- 408. This Caucasian cell with the rare DRB1*1119 was previously typed as TER-297 in 2002, as correctly identified by Ball, Hahn, Mah, Lefor, Pidwell, and Tiercy. DRB1*1119 was also detected in another Caucasian donor, TER-298 (2002), also typed as TER-217 (1998) TER-278 (2001).

In this present retyping, DRB1*1119 was reported by 75%.

DRB1*0701 (60%) was the second DRB1 allele.

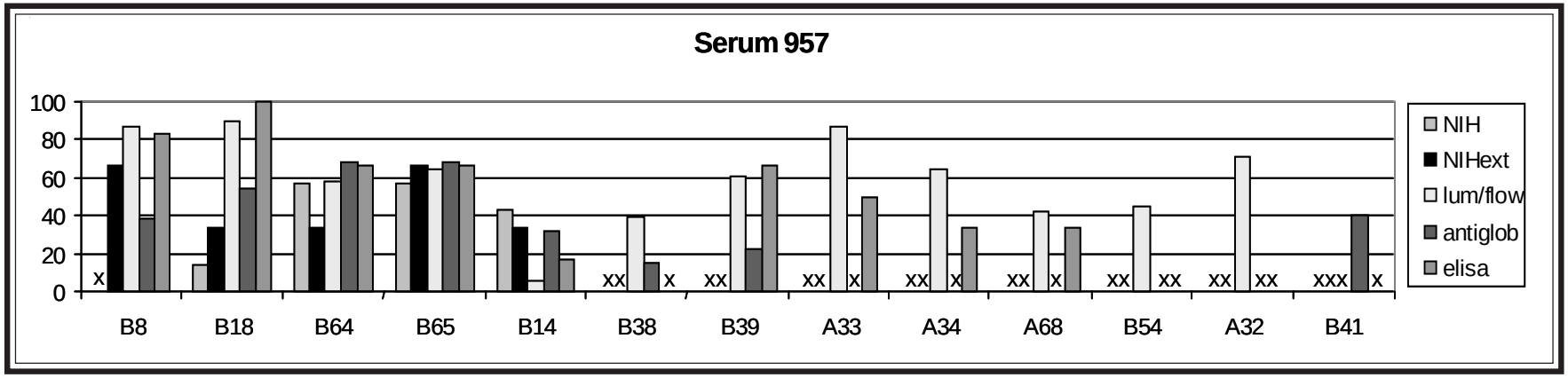
This cell was well typed as DR7, DR11, DR52, DR53, DQ2, and DQ7.

The likely associations in this cell were DRB1*0701-DRB4*0103-DQB1*0202-DQA1*0201, commonly found in all ethnic groups, and DRB1*1119-DRB3*0202-DQB1*0301-DQA1*0505.

DPB1*0201 (*020102) and DPB1*0401 (*040101) were the DPB1 alleles. Three labs did not resolve DPB1*0201 from DPB1*1802. Lefor and Pidwell noted that DPB1*2301 and DPB1*8101 were other possible DPB1 types.

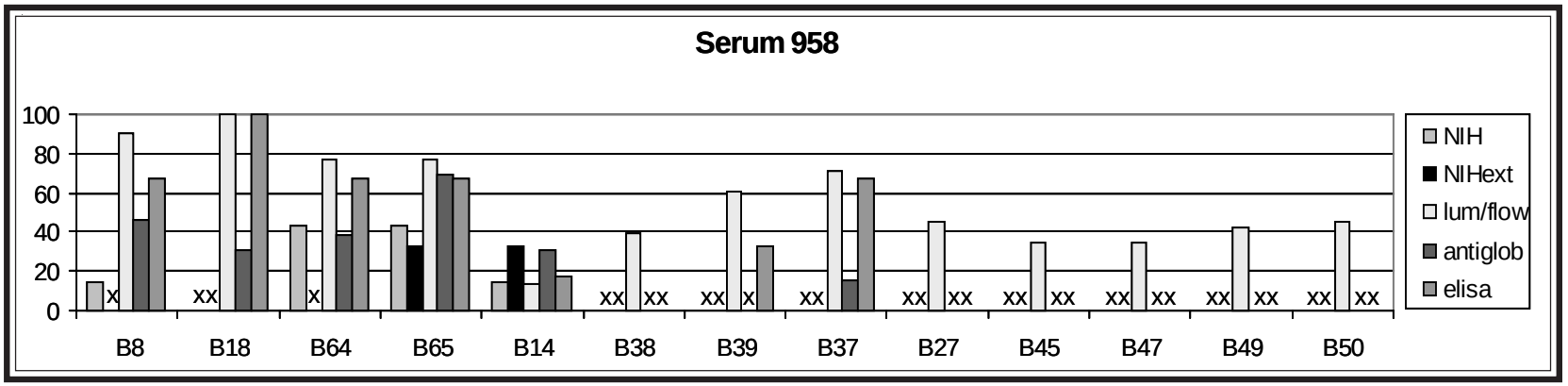
Serum Exchange

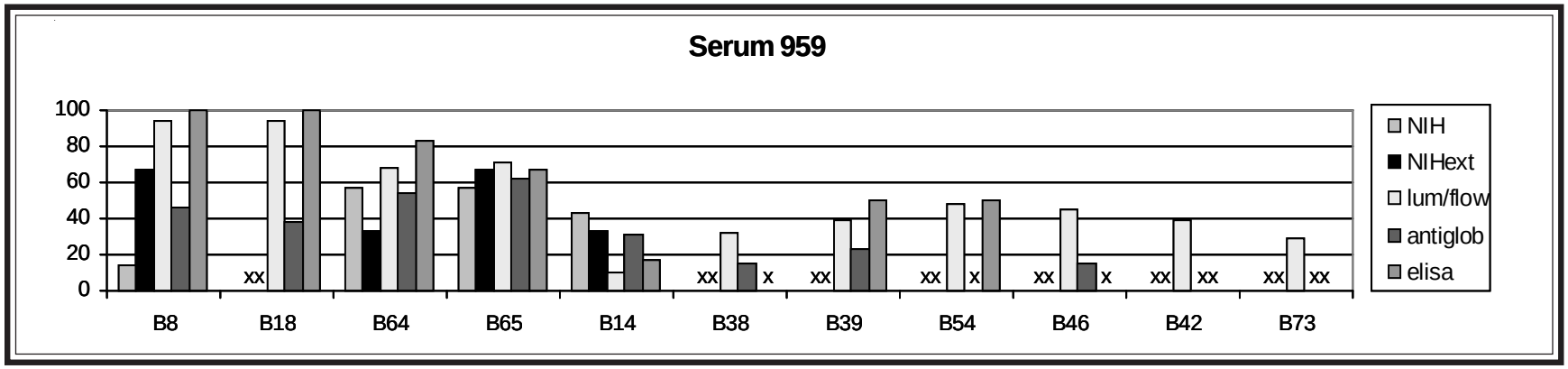
This month's study included 3 antisera (**sera 957-959**) reactive to B14 and cross-reactive specificities, including B8, B18, and B16 (B38, B39) specificities. The fourth antibody was strongly positive to B8 by all screening methods.



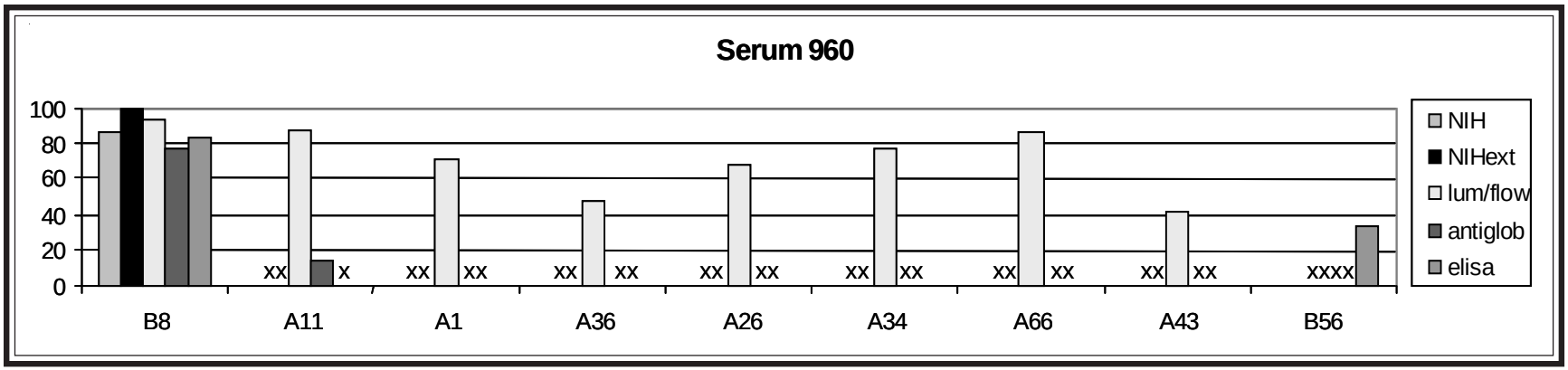
Sera 957, 958 and 959 were determined to be positive to B14 (B64, B65) by all methods. Serum 958 had weak anti-B14 reactivity reported by labs using NIH. All 3 sera were also reactive to B8, B18, and B16 (B38, B39). Labs using Luminex, flow, and ELISA detected additional notable reactivity to other specificities, including the following:

serum 957: A32, A33, A34, A68, B54
serum 958: B27, B37, B45, B47, B49, B50
serum 959: B42, B46, B54, B73





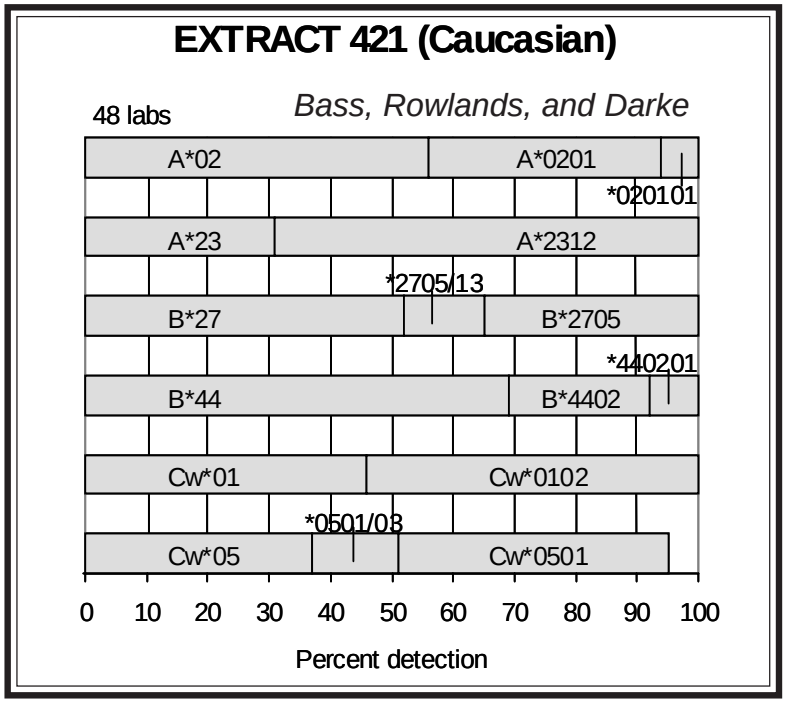
Serum 960 reacted as a monospecific B8 antibody by all screening methods, with the exception of Luminex/Flow. Labs using Luminex and flow detected additional reactivity to A-locus specificities, including A1, A11, A36, A26, A34, A66, and A43. This serum was previously tested as serum 880 in 2005.

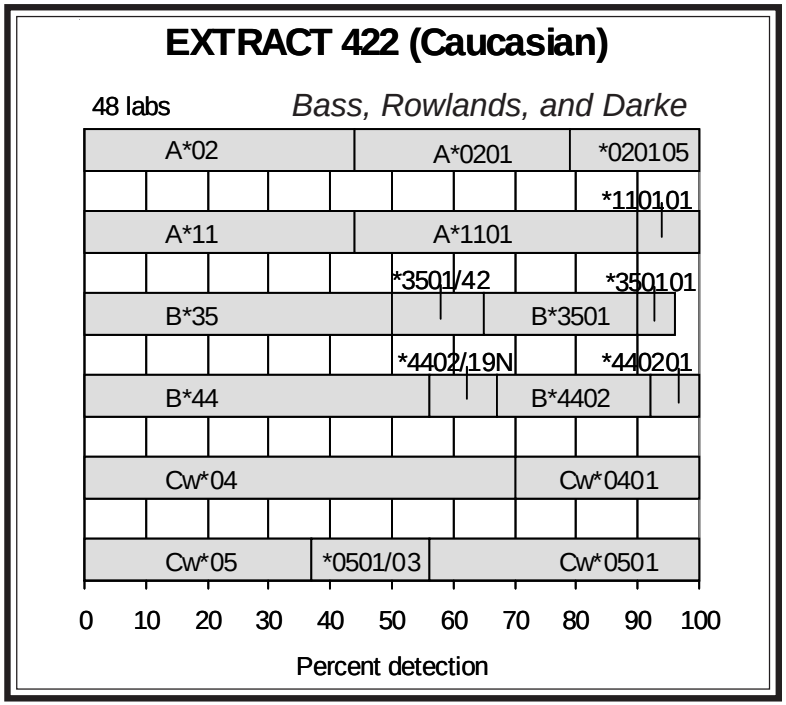


Extract Exchange

We wish to express our appreciation to **Helen Bass, Jane Rowlands, and Christopher Darke, Welsh Blood Service, Pontyclun,** for sharing valuable reference cells, including the A*2312 and A*020105 references in this study. Because of their and other laboratories' tireless collaboration and efforts in providing cells, participating labs are given opportunities in our exchanges to study unique and challenging types.

Other interesting alleles, including A*0213 and B*2712, were also revisited in this study.





Extracts 421. This cell from a Caucasian donor was the A*2312 reference cell, UKNEQAS_H&I_411/2003 (accession numbers AJ604535, AJ604536), also known as 41869 (accession number AJ619767) or UKNEQAS_H, as astutely identified by Ball and Brown. Hammond et al. (2) said that this cell was included in a 2003 study offered by the UK National External Quality Assessment Schemes for Histocompatibility and Immunogenetics and was found to have a new allele, differing from A*2301, at position 292 (G→C) in exon 2. This substitution causes one amino acid change (aspartic acid to histidine) at residue 74. Hammond et al. further described that this new variant had a serologic expression of a normal A23.

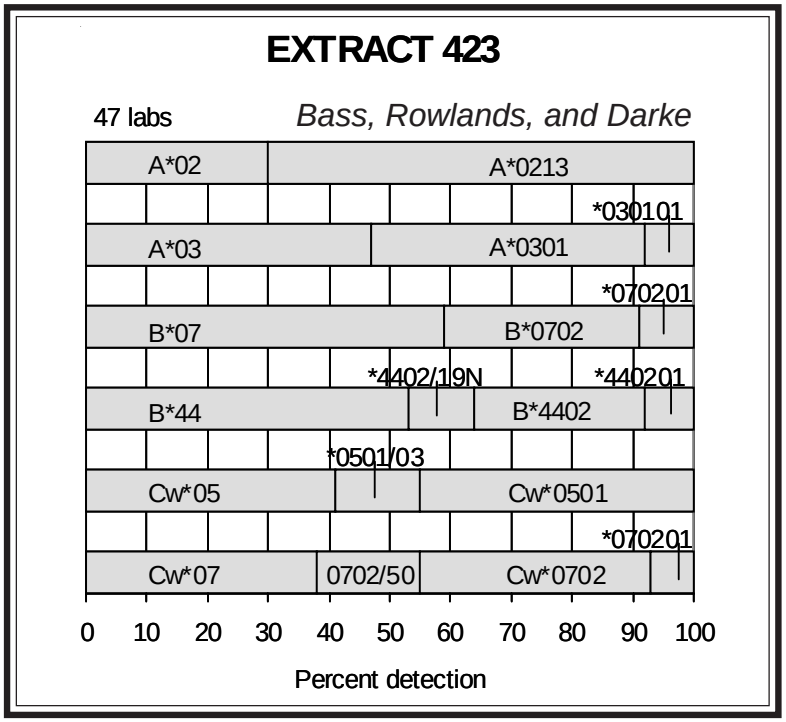
In this present typing, A*2312 was detected by 69%.

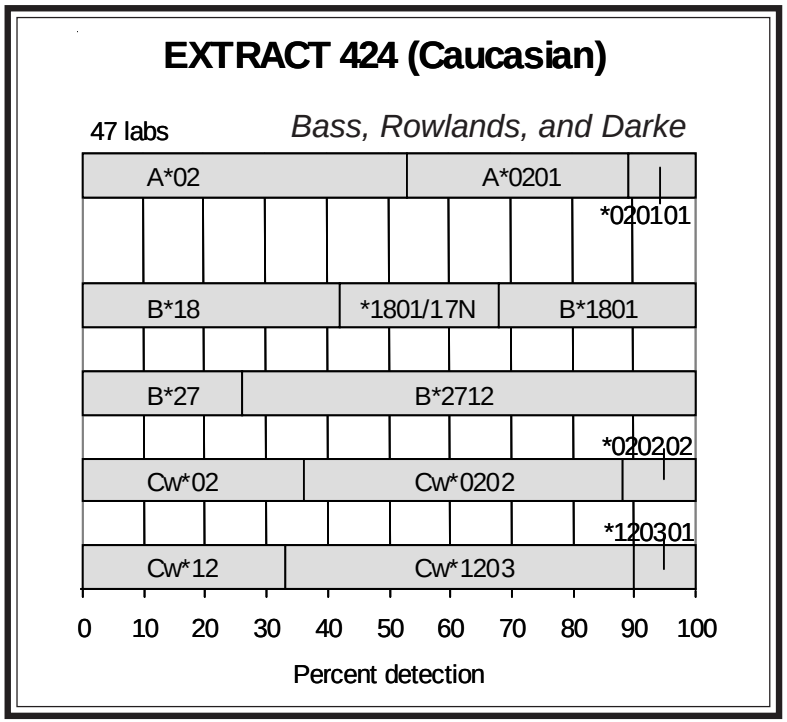
The probable haplotypes in this donor were A*0201-B*2705-Cw*0102 and A*2312-B*4402-Cw*0501, as postulated by Hammond et al.

Extract 422. This Caucasian donor was 32711, the reference for the rare A*020105, as correctly identified by Ball and Brown. Guttridge and Darke described the variant, "HLA-A*02015 differs from A*02011 in exon 3 by a G to A nucleotide substitution at position 113 in codon 128 (GAG to GAA). This non-coding substitution is unique to A*02015 suggesting that it occurred through a somatic point mutation." (3)

A*0201 was reported by a total of 56%, with 21% detecting A*020105.

The haplotypes in this cell were likely A*020105-B*4402-Cw*0501 and A*1101-B*3501-Cw*0401. Cao et al. listed A*1101-B*3501-Cw*0401 (HF=0.0132) as one of the most frequent A-B-C haplotypes found in U.S. Caucasians. (4)





Extract 423. This cell was previously typed as extract 237 (2003), as identified by Ball and Stamm.

In this present retyping, the uncommon A*0213 was detected by 70%, an improvement over the 2003 detection level of 50%.

The associations in this cell may be A*0213-B*4402-Cw*0501 and A*0301-B*0702-Cw*0702. A*0213-B*4402-Cw*0501 was also present in SLUGEO, one A*0213 reference, and A*0213-B*44 was found in 30047, the second A*0213 reference cell.

Extract 424. This cell from a Caucasian individual was an offspring of 38256, a B*2712 reference cell, described by Street et al. (5). This present donor was previously typed as extract 293 (2004), as identified by Ball, Brown, and Stamm, whereas 38256 was previously typed as extract 346 in 2006. B*2712 belongs to a select group of B27 alleles found in association with Bw6, such as B*2708, B*2718, and B*2723, rather than with the more normal Bw4 association.

In this present retyping, B*2712 was reported by 74%, similar to the percent detection level of 69% in the 2004 typing.

Cw*0202 (*020202) and Cw*1203 (*120301) were assigned by 62% and 67%, respectively.

Family studies by Street et al. and the exchange results revealed the haplotypes in this donor to be A*0201-B*2712-Cw*0202 and A*0201-B*1801-Cw*1203.

Cell Exchange

Cell 1333. This Asian donor was previously typed as cell 1285 and extract 370, both in 2006, as correctly identified by a number of labs (Brown, Dormoy, Fotino, Lefor, Mah, McCluskey, Pidwell, Stamm).

In this present retyping, B62 was assigned by 91% and confirmed as B*1525 (76%). Abbal, Esteves-Kondo, Holdsworth, J.Klein, and Rubocki commented that a variant was possible.

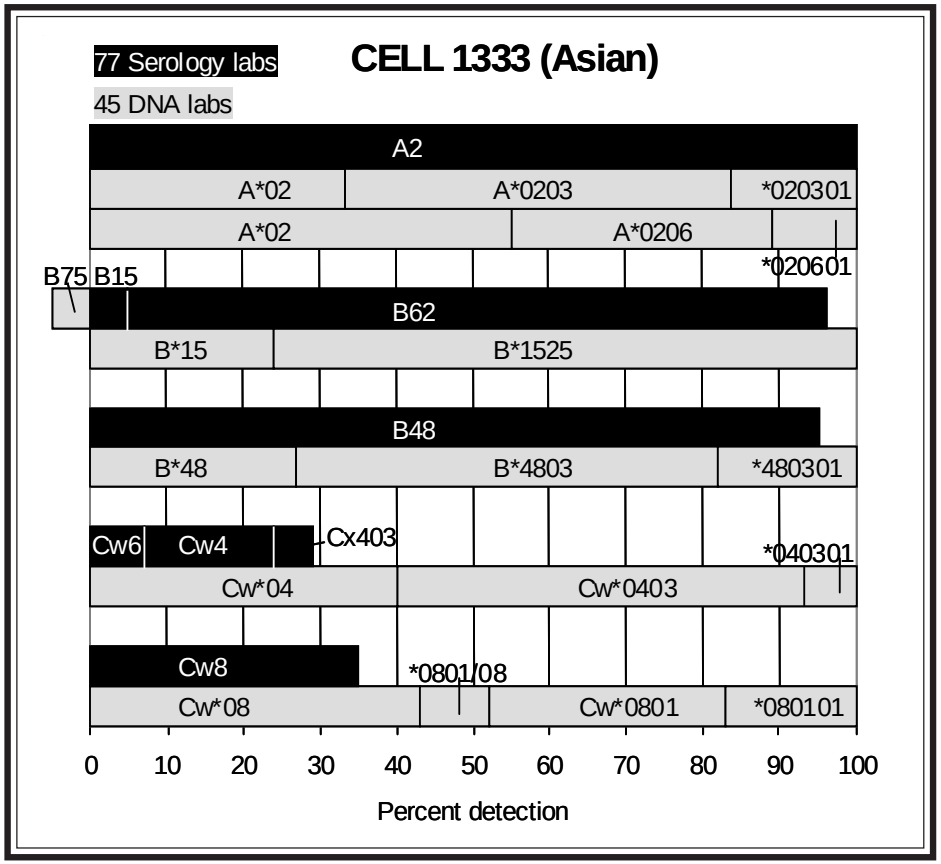
B48 was well typed, by 95%, and corroborated as B*4803 by 73%. This donor remains the sole B*4803 typed by both serologic and molecular-based typing.

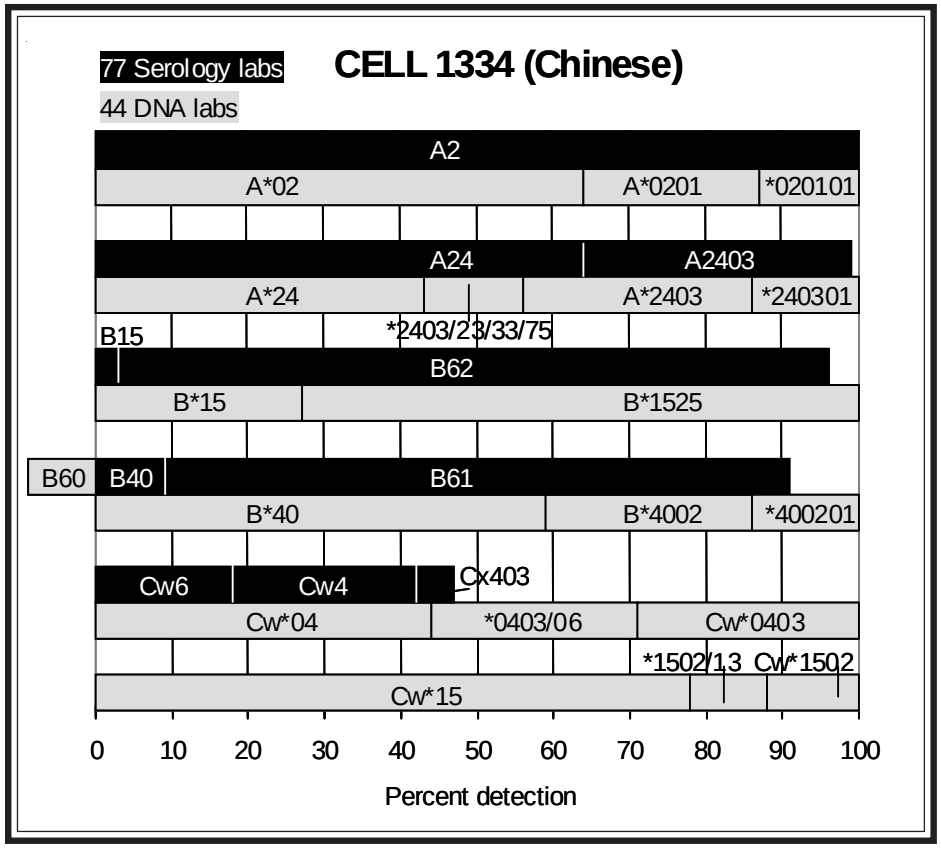
A C-locus variant was apparent, with reportings of Cw4 (17%) and Cw6 (7%). Dunk and Tagliere noted short reactivity with Cw4 antisera. Cw*0403 was reported by 60%.

The other C-locus antigen, Cw8 (35%), was verified as Cw*0801 (48%).

Two different A-locus alleles were present, A*0203 (67%) and A*0206 (47%), correlating to A2 (100%).

B*1525-Cw*0403 and B*4803-Cw*0801 were the probable associations present in this donor. A sibling was typed as extract 371 in the same 2006 extract study; however, the siblings did not share a common haplotype.





Cell 1334. This cell from a Chinese individual was previously typed as cell 1313 (2007).

In this retyping, A24 was assigned in complete consensus, with A2403 assigned by 35%. Holdsworth and Pollack remarked upon shorter than normal anti-A24 reactivity. A*2403 was reported by 44%.

B62 (94%) was present, collaborated as B*1525 (73%).

B61 (82%) was the other B-locus antigen, and was confirmed by 41% as B*4002 (B*400201).

Varied assignments of Cw4 (23%) and Cw6 (18%) indicated the variant encoded by Cw*0403, as reported by 29%, and another 27% assigned Cw*0403/06. Interestingly, the percent detection of 29% for Cw*0403 was lower than the 60% level when this same donor was first typed as cell 1313 last year.

The other C-locus type was Cw*15, with 12% assigning Cw*1502.

The likely associations were B*1525-Cw*0403 and B*4002-Cw*1502, commonly found in Asian donors.

Cell 1335. This cell from a Black donor was previously typed as cells 1251 (2005) and 1296 (2007).

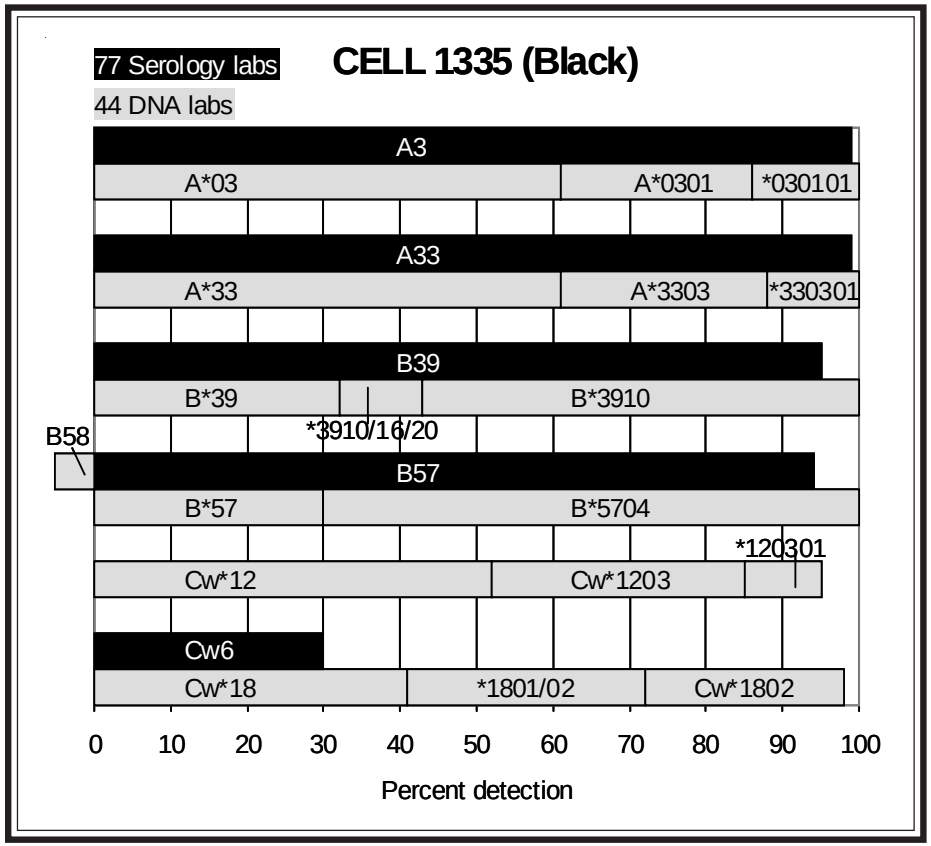
In this present retyping, B57 (94%) was reaffirmed as the rare B*5704, as assigned by 70%. This donor remains the sole B*5704 typed in the Cell Exchange.

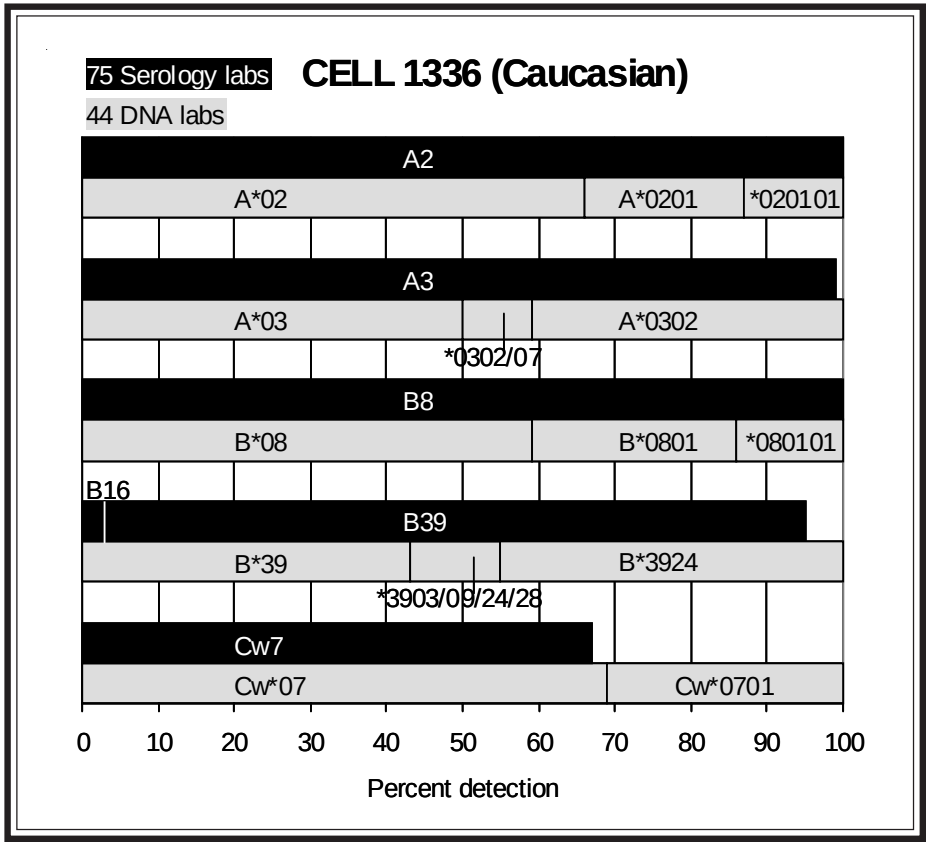
B39 (95%) was also confirmed as B*3910 (57%). Paik noted a short B39. B*3910 was also typed in cell 1045 (2000) from a Black donor (also typed as cell 985, and extracts 64 and 212), and extract 283 (2004).

Cw6 was assigned by 30%, with Darke and Israel commenting that the reactivity was short. Typings of previous exchange Cw*18 donors (925, 926, 1019, 1083, 1110, 1144, 1295, 1318) have demonstrated the correlation between expression to Cw6 antisera and Cw*1801/Cw*1802. For this donor, Cw*1802 was present, as detected by 26%.

Cw*1203 (43%) was the second C-locus allele.

The likely B-C loci associations in this cell were B*3910-Cw*1203, present in all B*3910 exchange cells, and B*5704-Cw*1802.





Cell 1336. B39 (92%) was present in this Caucasian cell; however, Pidwell and Osowski and Ward observed shorter than normal reactivity patterns. DNA results revealed that a rare B*39 variant was present, as B*3924 was detected by 45%. Investigators described B*3924 as being most identical to B*3903, with a single nucleotide substitution (T→C) at position 365 (nucleotide position 22 in exon 3). (6, 7, 8, 9) This single substitution results in one amino acid change, from methionine to threonine in codon 98, which according to Estefania et al. (9), "…ACG for ATG (threonine for methionine 98), is unique to B*3924 among all known MHC class I sequences of humans and Old World primates (Catarrhini)." It should be noted that the sequence of this allele was originally designated as B*3921 in 1999; however, the name was deleted in 2000 after it was determined that the sequence was identical to that of B*3924. This is the first time that B*3924 was typed in the Cell Exchange.

B8 was assigned in complete consensus, confirmed as B*0801 (41%).

A2 (100%) and A3 (99%) were verified as A*0201 (34%) and A*0302 (41%), respectively.

Cw7 (67%), corroborated as Cw*0701 (31%), was the sole C-locus type detected in this cell.

The probable associations were B*0801-Cw*0701, commonly found in all populations, and B*3924-Cw*0701. All 4 B*3924 reference cells with A-B-C typing data also had Cw*07. However, it was somewhat unexpected to find B*39 with Cw*0701. Cao et al. listed B*3903-Cw*0701 as "rare" and B*3924-Cw*0701 as "intermediate/rare Caucasians/Middle Easterns." (4) Most B*39's are found associated with either Cw*0702 or Cw*1203.

References

1. Williams F, Hughes DJ, and Middleton D. A new HLA-DRB1*11 allele (DRB1*1109) differing at codons 32, 34 and 37. Tissue Antigens 1994;44:63.

2. Hammond L, Bengtsson M, Street J, et al. HLA-A*2312 - a novel allele found during testing for the UK NEQAS for H&I DNA HLA-typing scheme. Tissue Antigens 2006;68:175.

3. Guttridge MG and Darke D. Identification and nucleotide sequence of HLA-A*02015. Tissue Antigens 2001;57:469.

4. Cao K, Hollenbach J, Shi X, et al. Analysis of the frequencies of HLA-A, B, and C alleles and haplotypes in the five major ethnic groups of the United States reveals high levels of diversity in these loci and contrasting distribution patterns in these populations. Hum Immunol 2001;62:109.

5. Street J, Hammond L, Downing J, et al. A further example of HLA-B*2712. British Society for Histocompatibility and Immunogenetics. Abstracts of papers presented at the Thirteenth Annual BSHI Conference, Glasgow. Eur J Immunogenet 2002;29:351:2.11.

6. Williams F, Curran MD, Leheny WA, et al. Characterization of HLA-B*3921 and confirmation of HLA-B*4415, two variant HLA-B alleles identified in the Omani population. Tissue Antigens 2000;56:376.

7. Cook JT, Day S, Dunn PPJ, et al. Identification of a new HLA-B*39 allele: HLA-B*3924. Tissue Antigens 2000;56:178.

8. Kennedy CT, Greville WD, Dodd R, et al. Six new HLA Class I alleles detected by PCR-SSO genotyping. Tissue Antigens 2002;59:320.

9. Estefania E, Gomez-Lozano N, de Pablo R, et al. Complementary DNA sequence of the HLA-B*3924 allele. Eur J Immunogenetics 2002;30:11.

NEXT MAILING DATE: August 6, 2008
A reminder: There will be no sendout in July.

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Elkhalifa MD PhD,Moh	Riyadh		Merenmies MD PhD,Jus	Helsinki		Watkins PhD,David I.	Madison	WI
Ellis PhD,Thomas	Milwaukee	WI	Middleton,Prof Derek	Belfast		Wetmore,Marilyn	Allentown	PA
Esquenazi PhD,Violet	Miami	FL	Miller,Dr Joshua	Miami	FL	Wiltbank & Endres,Dr	Tempe	AZ
Esteves Kondo,Debra	Canoga Park	CA	Montague,Bridget	Leeds England		Wisecarver PhD,James	Omaha	NE
Esteves-Kondo,Debra	Canoga Park	CA	Moore MD,S.Breanndan	Rochester	MN	Yamamori PhD,Shunji	Tokyo	
Fernandez-Vina PhD,M	Houston	TX	Murad,Dr Shahnaz	Kuala Lumpur		Yu_Neng/ARC,	Dedham	MA
Fischer,Dr Johannes	Dusseldorf		Mytilineos MD,Joanni	Ulm		Zachary PhD,Andrea	Baltimore	MD
Fotino MD,Marilena	New York	NY	Nehlsen-Cannare,Dr S	Detroit	MI			
Foxcroft,Z.K.	Johannesburg		Noreen,Harriet	Minneapolis	MN			

B-CELL LINE TER-407

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	METHOD
4079	Abbal,M.	*0407	*1109	*0202/23	*0103	*0301/21	*0301/21				P-SSP,RVSSO
5488	Adams,Sharon	*040701	*1109	*0202	*0103	*030101		*0303	*0505	*0301/*6101N	SSP,RSSO,SBT
4691	Ali,M.Ashraf	*04	*11	*+	*+	*03	*03				SSO
2300	Allegheny Ge	*04	*11	*+	*+	*03					SSP
5133	Baker,Judy	*040701	*1109	*0202	*0103	*030101					SSP,SBT
105	Ball,Edward	*0407	*1109	*0202/23	*0103	*0301/21		*0303	*0505	*0301	P-SSP
785	Chan,Soh Ha	*040701	*1109	*+	*01	*0301/13		*0301-03	*0501/03/05+		SBT
5232	Charlton,Ron	*0407	*1109	*02	*01	*0301	*0301				SSP,RVSSOP
4492	Charron,D.	*0407	*1109	*0202/23	*0103	*0301					P-SSO,SSP
3224	Chen,Dongfen	*0407	*1109	*0202	*0103	*0301/19/21					SBT,SSP,SSO
3632	Colombe,Beth	*0407	*1109	*0202	*0103	*0301					SSP
3904	Cooper,Shann	*0407	*1109	*020201+	*01030101/0302	*030101/0102					P-SSP
5130	Costeas,Paul	*0407	*1109	*0202	*0103	*0301		*0303	*0505		SSP,SSO
779	Daniel,Claud	*04	*1109/10+	*01-*03	*01010101+	*03(DQ7)					P-SSP
3625	Darke,Chris	*0407	*1109	*02	*01	*0301		*03	*05	*0301/*0502	P-SSP
8052	Del Pozo,Ana	*04	*1109/10+								P-SSOP
4269	Dormoy,Anne	*040701	*1109	*020201	*0103	*0301/19				*0301	P-SSP,SBT
5891	Du,Keming	*0407	*1109								P-SBT
856	Dupont,Bo	*0407	*1109			*0301	*0301/09+				SSO
3511	Duquesnoy,Re	*0407	*1109	*0202	*0103	*0301					RVSSOP,SSP
5214	Eckels/CPMC	*0407	*1109	*02	*01	*03(DQ7)	*03				SSOP
3428	Eckels/Utah	*0407	*1109								SSOP
2332	Elkhalifa,Mo	*0407	*1109	*01-*03	*01	*0301					SSO,SSP
4251	Ellis,Thomas	*0407	*1109	*0202/12	*0101/03/06	*0301	*0301			*0301/*0502	P-SSO,SEQ
3135	Fischer,John	*0407	*1109	*0202	*0103/07	*0301/19				*0301/*0502	SBT,P-SSP
762	Fischer/Mayr	*0407	*1109	*0202	*0103	*0301/09		*0302	*0505		SSO,SBT,SSP
8043	Gideoni,Osna	*0407	*1109/62			*0301/19					
910	Hahn,Amy B.	*0407	*1109	*0202	*0103	*0301/19	*0301/19				SSP
2344	Hurley/Hartz	*040701	*1109			*030101/19	*030101+				SBT
771	Israel,Shosh	*0407	*1109			*0301/19					P-RVSSO,SSP
748	Jaramillo,An	*04	*11	*+	*+	*03(DQ7)					P-SSP
859	Kamoun,Malek	*0407	*1109	*0202	*0103	*0301					P-SSO,SSP
797	Kato,Shunich	*0407	*1109			*0301/09/13					SSO,+SBT-DR
4864	Kim,Kyeong-H	*04	*11								P-SSOP
4337	Kim,Tai-Gyu	*0407	*1109			*0301				*0301	SBT
168	Klein,Tirza	*0407	*1109			*0301					SSP
278	Lee,Jar-How	*0407	*1109	*0202	*0103	*0301/19		*0302/03	*0505/09	*0301	SSP,RVSSOP
640	Lee,Kyung Wh	*0407	*1109			*0301/09/19		*0303	*0505		P-SBT
759	Lefor,W.M.	*0407	*1109			*0301/13/16/19		*0302/03	*0505/09	*0301/*0502+	RVSSO
6649	Lim,Young Ae	*04	*11	*+	*+						P-SSP
274	Lo,Raymundo	*04	*11	*+	*+	*0301					SSP
731	Loewenthal,R	*040701	*1109			*0301/10/16/19					SBT,SSO
23	Mah,Helen	*0407	*1109	*0202	*01	*0301					P-RFLP,SSP
8029	Mani,Rama	*04	*11	*+	*+	*03	*03				P-SSP
9916	McIntyre,Joh	*040701	*1109	*0202/23	*0103	*0301/21					SSP,SBT
8021	Montague,Bri	*0407	*1109	*0107/*02+	*0101-030101+	*0301				*0301/*0502	P-SSP,SSO
792	Moore,S.Brea	*0407	*1109	*0202	*0103	*0301		*0303	*0505/08/09		P-SSP,SSO
5323	Murad,Shahna	*0407	*0202	*0202	*0103	*03(DQ7)					P-SSP
774	Paik,Young K	*0407	*1109	*0202	*0103	*0301/19					SSP
3648	Pereira,Noem	*0407	*1109/62			*03					P-RVSSO,SSP
3966	Permpikul&Ve	*0407	*1109	*0202	*0103	*0301					P-SSP
2400	Phelan,Donna	*0407	*1109	*02	*0103	*0301					RVSSO,SSP
16	Pidwell,Dian	*040701	*1109	*0202	*0103	*0301/13/16/19		*0302/03	*0505/09	*030101/*0502	P-RVSSOP,SBT
4689	Rajczy,Katal	*0407	*1109	*0202/23	*0103	*0301/19/21					P-SSP
3753	Reed,Elaine	*0407	*1109	*0202	*0103	*0301		*0302/03	*0505/09		SBT,SSP,SSO
1160	Rosen-Bronso	*0407	*1109	*02	*01	*03	*03				
793	Rubocki,Rona	*04	*11	*+	*+	*03(DQ7)					P-SSP

B-CELL LINE TER-407

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	METHOD
5096	Seoul Red Cr	*04	*11								P-SSO
8042	Shainberg,Br	*04	*11			*03					SSOP
8001	Sheikh,Maqso	*0407	*1109	*0202	*0103	*0301/19					SSP,RVSSOP
735	Smith/MI	*04	*11	*+	*+	*03(DQ7)		*03	*05	*03	SSP,SSOP
746	Stamm,Luz	*0407	*1109/62	*02	*01	*0301					RVSSO,SSP
13	Tagliere,Jac	*0407	*1109	*0202	*0103	*0301/19					SSP
747	Tiercy,Jean-	*0407	*1109	*0202	*0103	*0301				*0301	SSO,SSP,SBT
5451	Tilanus,Marc	*040701	*1109	*020201	*01030101	*030101		*0303	*0505	*030101	SBT
4021	Trachtenberg	*04	*1109	*02	*01/*0201N	*03					RVSSOP
5462	Turner,E.V.	*0407	*1109	*0202	*0103	*0301				*0301	SSP,SSO,SBT
5642	Varnavidou-N	*0407	*1109	*+	*+	*0301	*0301				P-SSP
705	Watkins,Dav	*0407	*1109	*+	*+	*0301/04/09/13+					P-SSP,SEQ
5670	Wetmore,Mari	*04	*11	*+	*+	*03					SSP
2847	Yamamori,Shun	*04	*11			*03					SSO,SSP

CTR	DIRNAME	DR4	DR11	DR52	DR53	DQ7	DQ3X	OTH1	OTH2
3904	Cooper,Shann	+	+	+	+	+			
910	Hahn,Amy B.	+	+	+	+	+	+		
4908	Kvam,Vonnet	+	+	+	+	+	DQ8		
725	Lardy,N.M.	+	+	+	+	DQ3			
54	McAlack,Robe	NT							
2400	Phelan,Donna	+	+	+	+	+	DQ7		
16	Pidwell,Dian	+	+	+	+	+			
793	Rubocki,Rona	+	+	+	+	+	+		

B-CELL LINE TER-407 (Caucasian)

71 DNA LABS

71 LABS REPORTING DRB1

DRB1*04	24%
DRB1*0407	63%
DRB1*040701	13%
DRB1*04	100% TOTAL
DRB1*11	25%
DRB1*1109	73%
DRB1*11	98% TOTAL

53 LABS REPORTING DRB3

DRB3*+	28%
DRB3*0202	43%
DRB3*020201	4%
DRB3*02	15%
DRB3*0202/23	10%

53 LABS REPORTING DRB4

DRB4*+	23%
DRB4*0103	55%
DRB4*01030101	2%
DRB4*01	20%

64 LABS REPORTING DQB1

DQB1*03	42%
DQB1*0301/19	14%
DQB1*030101/19	2%
DQB1*0301	38%
DQB1*030101	4%
DQB1*03	100% TOTAL

14 LABS REPORTING DQA1

DQA1*03	21%
DQA1*0302/03	29%
DQA1*0302	7%
DQA1*0303	43%
DQA1*03	100% TOTAL
DQA1*05	28%
DQA1*0505/09	29%
DQA1*0505	43%
DQA1*05	100% TOTAL

15 LABS REPORTING DPB1

DPB1*0301/*0502	33%
DPB1*030101/*0502	7%
DPB1*0301/*6101N	6%
DPB1*03	7%
DPB1*0301	40%
DPB1*030101	7%

7 SEROLOGY LABS

DR4	100%
DR11	100%
DR52	100%
DR53	100%

DQ3	14%
DQ7	86%
DQ3	100% TOTAL

B-CELL LINE TER-408

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079	Abbal,M.	*0701/13-15	*1119	*0202/23	*0103	*0202	*0301/19/21					P-SSP,RVSSO
5488	Adams,Sharon	*070101	*111901	*0202	*0103	*0202	*0301/16/19	*0201	*0505	*0201/*1802	*0401	SSP,RSSO,SBT
4691	Ali,M.Ashraf	*07	*11	*+	*+	*02	*03					SSO
2300	Allegheny Ge	NT										
5133	Baker,Judy	*070101	*111901	*0202	*0103	*0202	*030101					SSP,SBT
105	Ball,Edward	*0701/13-15	*1119	*0202/23	*0103	*0202	*0301/19/21	*0201	*0505	*0201	*0401	P-SSP
785	Chan,Soh Ha	*0701	*111901	*+	*01	*0202	*0301/13	*0201	*0501/03+			SBT
5232	Charlton,Ron	*0701	*1109	*02	*01	*0202	*0301					SSP,RVSSOP
4492	Charron,D.	*0701	*1119	*0202/23	*0103	*0201	*0301/19					P-SSO,SSP
3224	Chen,Dongfen	*0701	*1119	*0202	*0103	*0202	*0301/19/21					SBT,SSP,SSO
3632	Colombe,Beth	*0701	*1119	*0202	*0103	*0202	*0301					SSP
3904	Cooper,Shann	*070101/09+	*1119	*020201/03+	*01030101+	*0202	*030101/0102					P-SSP
5130	Costeas,Paul	*0701/15	*1119	*0202	*0103	*0202	*0301	*0201	*0505			SSP,SSO
779	Daniel,Claud	*07	*11	*01-*03	*01010101+	*02	*03(DQ7)					P-SSP
3625	Darke,Chris	*0701	*1119	*02	*01	*0202	*0301	*0201	*05	*0201	*0401	P-SSP
8052	Del Pozo,Ana	*07	*11									P-SSOP
4269	Dormoy,Anne	NT										
5891	Du,Keming	*0701	*1119									P-SBT
856	Dupont,Bo	*0701/03-05+	*1119			*0202	*0313					SSO
3511	Duquesnoy,Re	*0701	*1119	*0202	*0103	*0202	*0301					RVSSOP,SSP
5214	Eckels/CPMC	*07	*11	*02	*01	*02	*03(DQ7)					SSOP
3428	Eckels/Utah	*07	*1119									SSOP
2332	Elkhalifa,Mo	*07	*1119	*01-*03	*01	*0202	*0301					SSO,SSP
4251	Ellis,Thomas	*0701	*1119	*0202/12	*0101/03/06	*0202	*0301			*0201	*0401	P-SSO,SEQ
3135	Fischer,John	*0701	*1119	*0202	*0103	*0202	*0301/19			*0201	*0401	SBT,P-SSP
762	Fischer/Mayr	*0701	*1119	*0202	*0103	*0202	*0301/09	*0201	*0501			SSO,SBT,SSP
8043	Gideoni,Osna	*0701	*1119			*0202	*0301/19					
910	Hahn,Amy B.	*0701/13/14	*1119	*0202	*0103	*0202	*0301/19					SSP
2344	Hurley/Hartz	*070101	*111901			*0202	*030101/19					SBT
771	Israel,Shosh	*0701	*1119			*0202	*0301/19					P-RVSSO,SSP
748	Jaramillo,An	*07	*11	*+	*+	*02	*03(DQ7)					P-SSP
859	Kamoun,Malek	*0701	*1119	*0202	*0103	*0202	*0301/19					P-SSO,SSP
797	Kato,Shunich	*0701	*1119			*0201/02+	*0301/09/19					SSO,+SBT-DR
4864	Kim,Kyeong-H	*07	*11									P-SSOP
4337	Kim,Tai-Gyu	*0701	*1119			*0202	*0301			*0201	*0401	SBT
168	Klein,Tirza	*0701	*1119			*0202	*0301					SSP
278	Lee,Jar-How	*0701	*1119	*0202	*0103	*0202	*0301/19	*0201	*0505/09	*0201/*1802	*0401	SSP,RVSSOP
640	Lee,Kyung Wh	*0701	*1119			*0202	*0301/09/19	*0201	*0505			P-SBT
759	Lefor,W.M.	*0701/03/05+	*1119			*0202	*0301/19	*0201	*0505/09	*0201/*1802	*0401	RVSSO
6649	Lim,Young Ae	*07	*11	*+	*+							P-SSP
274	Lo,Raymundo	*07	*11	*+	*+	*02	*0301					SSP
731	Loewenthal,R	*0701	*111901			*0202	*030101/19					SBT,SSO
23	Mah,Helen	*0701	*1119	*0202	*01	*0202	*0301					P-RFLP,SSP
8029	Mani,Rama	*07	*11	*+	*+	*02	*03					P-SSP
9916	McIntyre,Joh	*0701	*111901	*0202/23	*0103	*0202	*0301/19/21					SSP,SBT
8021	Montague,Bri	*0701	*1119	*0107/*02+	*0101-030101+	*0202	*0301			*0201	*0401	P-SSP,SSO
792	Moore,S.Brea	*0701	*1119	*0202	*0103	*0202	*0301	*0201	*0505/08+			P-SSP,SSO
5323	Murad,Shahna	*070101-0102+	*1119	*0202	*0103	*02	*03(DQ7)					P-SSP
774	Paik,Young K	*0701	*1119	*0202	*0103	*0202	*0301/19					SSP
3648	Pereira,Noem	*0701/10N/13+	*11			*02	*03					P-RVSSO,SSP
3966	Permpikul&Ve	*0701	*1119	*0202	*0103	*0202	*0301					P-SSP
2400	Phelan,Donna	*0701	*1119	*02	*0103	*0202	*0301					RVSSO,SSP
16	Pidwell,Dian	*070101	*111901	*0202	*0103	*0202	*0301/19	*0201	*0505/09	*020102//+	*040101//+	P-RVSSOP,SBT
4689	Rajczy,Katal	*0701/13-15	*1119	*0202/23	*0103	*0202	*0301/19/21					P-SSP
3753	Reed,Elaine	*0701	*1119	*0202	*0103	*0202	*0301	*0201	*0505/09			SBT,SSP,SSO
1160	Rosen-Bronso	*07	*1119	*0201	*01	*0202	*03					
793	Rubocki,Rona	*07	*11	*+	*+	*02	*03(DQ7)					P-SSP

B-CELL LINE TER-408

CTR	DIRNAME	DRB1	DRB1X	DRB3	DRB4	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
5096	Seoul Red Cr	*07	*11									P-SSO
8042	Shainberg,Br	*0701	*1119			*0202	*0301					SSOP
8001	Sheikh,Maqso	*0701	*1119	*0202	*0103	*0202	*0301/19					SSP,RVSSOP
735	Smith/MI	*07	*11	*+	*+	*02	*03(DQ7)	*02	*05	*02	*04	SSP,SSOP
746	Stamm,Luz	*0701	*1119	*02	*01	*0202	*0301/19					RVSSO,SSP
13	Tagliere,Jac	*0701	*1119	*0202	*0103	*0202	*0301/19					SSP
747	Tiercy,Jean-	*070101	*111901	*0202	*0103	*0202	*0301			*0201	*0401	SSO,SSP,SBT
5451	Tilanus,Marc	*070101	*111901	*020201	*01030101	*0202	*030101	*0201	*0505	*020102	*040101	SBT
4021	Trachtenberg	*07	*1118/19	*02	*01/*0201N	*0202	*0301/19					RVSSOP
5462	Turner,E.V.	*0701	*1119	*0202	*0103	*0202	*0301			*0201	*0401	SSP,SSO,SBT
5642	Varnavidou-N	*0701	*1119	*+	*+	*0202	*0301					P-SSP
705	Watkins,Dav	*0701	*1119	*+	*+	*02	*0301/04+					P-SSP,SEQ
5670	Wetmore,Mari	*07	*11	*+	*+	*02	*03					SSP
2847	Yamamori,Shun	*07	*11			*02	*03					SSO,SSP

CTR	DIRNAME	DR7	DR11	DR52	DR53	DQ2	DQ7	OTH1	OTH2
3904	Cooper,Shann	+	+	+	+	+	+		
910	Hahn,Amy B.	+	+	+	+	+	+		
4908	Kvam,Vonnet	+	+	+	+	+	+		
725	Lardy,N.M.	+	+	+	+	+	DQ3		
54	McAlack,Robe	NT							
2400	Phelan,Donna	+	+	+	+	+	+		
16	Pidwell,Dian	+	+	+	+	+	+		
793	Rubocki,Rona	+	+	+	+	+	+		

B-CELL LINE TER-408 (Caucasian)

69 DNA LABS

69 LABS REPORTING DRB1	
DRB1*07	40%
DRB1*0701	51%
DRB1*070101	9%
DRB1*07	100% TOTAL
DRB1*11	23%
DRB1*1109	2%
DRB1*1119	62%
DRB1*111901	13%
DRB1*11	100% TOTAL

51 LABS REPORTING DRB3	
DRB3*+	27%
DRB3*0201	2%
DRB3*0202	43%
DRB3*020201	2%
DRB3*02	16%
DRB3*0202/23	10%

53 LABS REPORTING DRB4	
DRB4*+	21%
DRB4*0103	55%
DRB4*01030101	2%
DRB4*01	22%

63 LABS REPORTING DQB1	
DQB1*02	22%
DQB1*0201	2%
DQB1*0202	76%
DQB1*02	100% TOTAL
DQB1*03	37%
DQB1*0301/19	22%
DQB1*030101/19	3%
DQB1*0301	33%
DQB1*030101	3%
DQB1*0313	2%
DQB1*03	100% TOTAL

14 LABS REPORTING DQA1	
DQA1*02	7%
DQA1*0201	93%
DQA1*02	100% TOTAL
DQA1*05	28%
DQA1*0505/09	29%
DQA1*0501	7%
DQA1*0505	36%
DQA1*05	100% TOTAL

14 LABS REPORTING DPB1	
DPB1*0201/*1802	22%
DPB1*02	7%
DPB1*0201	57%
DPB1*020102	14%
DPB1*04	7%
DPB1*0401	79%
DPB1*040101	14%
DPB1*04	100% TOTAL

7 SEROLOGY LABS

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

DQ2	100%
DQ3	14%
DQ7	86%
DQ3	100% TOTAL

	SERUM NO. 957												SERUM NO. 958											
	% POS	% 8'S	B 6 5	B 6 4	B 1 8	B 8	A 3 3	B 3 9	A 3 2	A 3 4	B 5 4	B 3 8	% POS	% 8'S	B 6 5	B 6 4	B 8	B 1 8	B 3 7	B 3 9	B 5 0	B 4 7	B 3 8	B 4 5	METHOD
Alvarez & Ca	46	33					+		+			A1,A26	25	50				+						B14	(3)
Baker,Judy	10	100	+	+	+								9	100	+	+									(4)
Berka,Noured	15	100	+	+									13	75	+	+									(4)
Burger,Joe	36	100			+	+	+	+	+		+	A74,A66,B78	54	100	+	+	+	+		+				+	A29,B44,A32> (3)
Cantwell,Lin	???	???	+	+	+	+	+	+	+	+	+	A68	???	???	+	+	+	+	+	+	+	+			B49,B27 (3)
Choo,Yoon MD	23	50	+	+	+							B56	13	0	+	+		+							(5)
Claas,F.H.J.	8	0										B14	12	0			+								(1)
Cohen,Jacque	44	???	+	+	+	+	+		+	+		A68	38	???	+	+	+	+	+		+	+			B49 (3)
Cooper,E. Sh	7	100	+	+									2	???											??? (4)
Darke,Christ	???	???	+	+	+	+	+	+	+	+		+ A68	???	???	+	+	+	+	+	+	+		+		B49,B44 (3)
Dunckley,Hea	15	88	+	+								B14	2	0		+									(1)
Dunk,Arthur	18	100	+	+									13	100	+	+									(6)
Dunn,Dale Dr	15	75	+	+								B14	5	0	+	+									B14 (4)
Dunn,Paul Ph	???	???	+	+	+	+	+	+		+	+	+ B55	???	???	+	+	+	+	+	+	+		+	+	CW5 (3)
Eckels/CPMC,	36	???		+	+	+		+				B50	15	???	+	+	+								A69 (4)
Elkhalifa MD	62	???	+	+	+	+		+			+		31	???	+	+	+	+					+		(3)
Ellis,Thomas	93	???			+	+	+		+			B14,B16,B5	83	???			+	+							B14,B16,B21> (3)
Esteves Kond	7	100	+	+									5	33	+										(1)
Esteves-Kond	91	67	+		+	+	+	+	+	+	+	+ B55	63	100	+	+		+	+		+		+		B27 (3)
Fotino,Maril	11	0	+	+									7	0	+	+									(4)
Foxcroft,Z.K	10	100	+	+									5	0	+	+									(1)
Gautreaux,Mi	82	???			+	+	+	+	+	+		A66,A29	58	???		+	+	+	+	+		+			B49,B41,B27 (3)
Gideoni,Osna	92	100	+	+	+	+	+	+				B78,B42,B71>	58	100	+	+	+	+	+	+		+		+	B41,B81 ( )
Hahn,Amy B.	55	67	+		+	+		+			+	B16,B14	38	40	+		+	+	+	+					B14 (4)
Hamdi,Nuha D	29	50			+			+				CW8,B49,A69>	27	100	+	+	+	+					+		B63,A29,B73> (3)
Han,Hoon Dr	58	???				+	+		+		+	A29,A68	44	???	+	+	+	+		+					A23,B27 (3)
Harville/ACH	???	???	+	+	+	+	+	+	+	+	+	A74	???	???	+	+	+	+		+					A33,B54,A32> (3)
Hogan,Patric	18	75	+	+									7	33	+	+									(1)
Holdsworth,R	43	75	+	+	+	+	+	+	+	+		A28	15	33	+	+	+	+	+						(5)
Kamoun,Malek	51	???	+	+	+	+		+			+		38	???	+	+	+	+		+			+		(3)
Klein,Jon MD	26	100		+	+	+		+			+		21	60			+	+							(4)
Klein,Tirza	84	100	+		+	+		+				B41,B42,B48,B7>	60	100	+	+	+	+	+	+				+	B41 (3)
Lardy,N.M. D	19	100				+						B14	11	83											B14 (2)
Loewenthal M	90	100	+	+	+	+	+	+	+			+ A68,A26	52	100	+	+	+	+	+	+				+	B41 (3)
MacCann,Eile	90	???	+	+	+	+		+				+ A10,A19,A11	70	???			+	+	+						B14,B16,B41> (3)
Mah,Helen	18	80	+	+			+						7	0	+										(4)
McAlack,Robe	23	50	+	+	+	+	+	+		+		A68	19	0	+	+	+	+	+	+		+			B41 (5)
McAlack-Bala	80	100			+	+	+	+	+		+	A74,6601	30	100	+	+	+	+				+		+	(3)
McCluskey,Ja	15	100	+	+									8	0	+	+									(6)
Moore,S.Brea	25	???	+	+	+	+	+		+	+	+	B73	23	???	+	+	+	+	+		+	+			B41,B49 (3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+	+	A74	???	???	+	+	+	+	+	+	+		+	+	B27 (3)
Paik,Young K	???	???			+	+	+		+	+		A74,A28,B14>	???	???			+	+	+			+			B14,B16,B12> (6)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+	A68	???	???	+	+	+	+	+	+	+	+			CW5,B49 (3)
Permpikul &	3	0										???	3	???											??? (1)
Phelan,Donna	61	???	+	+	+	+	+	+	+	+		+ A26	23	???	+	+	+	+	+	+			+		(6)
Pidwell,Dian	14	100	+		+	+							8	100	+										(2)
Sage,Deborah	34	???					+		+	+		A25,A26,A66>	56	???	+		+	+		+	+		+	+	B44,B49,B27 (3)
Smith/MI,	7	???	+	+									2	???	+										(4)
Suciu-Foca,N	14	25			+							B14	4	4											B14 (1)
Tagliere,Jac	13	40	+	+									0	0											(2)
Ward & Osows	20	50	+		+	+							10	100	+		+								(4)

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

*** 51 TYPING LABS ***			*** 51 TYPING LABS ***		
B65	71%	0.989	B65	75%	0.811
B64	65%	1.000	B64	65%	0.867
B18	63%	0.887	B8	59%	0.966
B8	59%	0.817	B18	59%	0.945
A33	47%	0.926	B37	37%	1.000
B39	45%	0.944	B39	33%	0.962
A32	37%	1.000	B50	18%	1.000
A34	31%	1.000	B38	18%	0.909
B54	20%	1.000	B47	18%	0.909
B38	20%	0.938	B27	16%	1.000
A68	16%	1.000	B45	16%	1.000
B14	16%	1.000	B14	16%	0.793
A74	12%	1.000	B41	14%	1.000
A26	8%	1.000	B49	14%	1.000
A29	6%	1.000	B16	6%	1.000
A66	6%	1.000	B21	6%	1.000
B16	6%	1.000	B44	6%	1.000
B42	6%	1.000	???	4%	1.000
B55	6%	1.000	A32	4%	1.000
A28	4%	1.000	A33	4%	1.000
A69	4%	1.000	B12	4%	1.000
B71	4%	1.000	CW5	4%	1.000
B78	4%	1.000	A29	4%	0.778
			B54	4%	0.667

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

*** 51 LABORATORIES REPLIED ***
********** NEXT SHIPMENT: AUG 6 2008 **********

Method: All

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

*** 7 TYPING LABS ***

B64	57%	1.000
B65	57%	1.000
B14	43%	1.000
???	14%	1.000
B18	14%	1.000

*** 7 TYPING LABS ***

B64	43%	0.625
B65	43%	0.571
???	14%	1.000
B14	14%	1.000
B8	14%	0.750

*** 7 LABORATORIES REPLIED ***

Method: NIH-std

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

*** 3 TYPING LABS ***

B65	67%	1.000
B8	67%	0.231
B14	33%	1.000
B64	33%	1.000
B18	33%	0.333

*** 3 TYPING LABS ***

B14	33%	1.000
B65	33%	1.000

*** 3 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: NIH-ext

SERUM NO. 957												SERUM NO. 958											
	% POS	% 8'S	B 1 8	B 8	A 3 3	A 3 2	B 6 5	A 3 4	B 3 9	B 6 4	B 5 4	A 6 8		% POS	% 8'S	B 1 8	B 8	B 6 5	B 6 4	B 3 7	B 3 9	B 5 0	B 2 7	B 4 9	B 3 8		METHOD
Alvarez & Ca	46	33			+	+							A1,A26	25	50	+									B14	(F-3)
Baker,Judy	44	???	+	+	+		+	+		+		+	A69	36	???	+	+	+	+	+		+		+		B47	(L-3)
Berka,Noured	60	100	+	+	+	+							B38,B58	28	100	+	+			+						B41	(L-3)
Burger,Joe	36	100	+	+	+	+			+		+		A74,A66,B78	54	100	+	+	+	+		+					A29,B44,B45>	(L-3)
Cantwell,Lin	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+	+	+		B47	(L-3)
Cohen,Jacque	44	???	+	+	+	+	+	+		+		+		38	???	+	+	+	+	+		+		+		B47	(LF-3)
Darke,Christ	???	???	+	+	+	+	+	+	+	+		+	B38	???	???	+	+	+	+	+	+	+		+	+	B44	(L-3)
Dunn,Paul Ph	???	???	+	+	+		+	+	+	+	+		B55,B38	???	???	+	+	+	+	+	+	+			+	CW5,B45	(L-3)
Eckels/CPMC,	92	???	+		+	+		+				+	A28,A69,B14>	77	???	+				+	+		+		+	A33,B14,B21>	(LF-3)
Elkhalifa MD	62	???	+	+			+		+	+			B38	31	???	+	+	+							+		(L-3)
Ellis,Thomas	93	???	+	+	+	+							B14,B16,B5	83	???	+	+									B14,B16,B21>	(LF-3)
Esteves-Kond	91	67	+	+	+	+	+	+	+		+		B55,B38	63	100	+		+	+	+		+	+		+		(F-3)
Fotino,Maril	???	???	+	+	+	+	+	+		+	+	+	B73	???	???	+	+	+	+	+	+	+	+	+		B47	(L-3)
Gautreaux,Mi	82	???	+	+	+	+		+	+				A66,A29	58	???	+	+		+	+	+		+	+		B47,B41	(L-3)
Hamdi,Nuha D	29	50	+						+				CW8,B49,A69>	27	100	+	+	+	+						+	B63,A29,B73>	(L-3)
Han,Hoon Dr	58	???		+	+	+					+	+	A29	44	???	+	+	+	+		+		+			A23	(L-3)
Harville/ACH	???	???	+	+	+	+	+	+	+	+	+		A74	???	???	+	+	+	+		+					A33,B54,A32>	(L-3)
Kamoun,Malek	51	???	+	+			+		+	+			B38	38	???	+	+	+	+		+				+		(L-3)
Klein,Tirza	84	100	+	+			+		+				B41,B42,B48,B7>	60	100	+	+	+	+	+	+					B41,B45	(L-3)
Loewenthal M	90	100	+	+	+	+	+		+	+		+	B38,A26	52	100	+	+	+	+	+	+					B41,B45	(L-3)
MacCann,Eile	90	???	+	+			+		+	+			B38,A10,A19>	70	???	+	+			+			+			B14,B16,B41>	(L-3)
McAlack-Bala	80	100	+	+	+	+			+		+		A74,6601	30	100	+	+	+	+	+						B45,B47	(L-3)
Moore,S.Brea	25	???	+	+	+	+	+	+		+	+		B73	23	???	+	+	+	+	+		+		+		B41,B47	(L-3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+	+	+		A74	???	???	+	+	+	+	+	+	+	+		+	B45	(L-3)
Pereira,Noem	???	???	+	+	+	+	+	+	+	+	+	+		???	???	+	+	+	+	+	+	+		+		CW5,B47	(L-3)
Phelan,Donna	24	???	+	+	+	+	+	+	+	+			B38,A26	13	???	+	+	+	+	+	+		+	+	+	B45	(L-3)
Pidwell,Dian	???	???	+	+	+		+	+		+	+	+	A74,A69	???	???	+	+	+	+	+		+	+	+		CW5,B47	(F-3)
Sage,Deborah	34	???			+	+		+				+	A25,A26,A66>	56	???	+	+	+			+	+	+	+	+	B45,B44	(L-3)
Smith/MI,	46	???	+	+	+	+		+	+			+	A69,B38,B42	51	???	+	+			+	+		+	+	+	B44,B45,B47	(L-3)
Suciu-Foca,N	???	100	+	+	+	+	+	+		+	+	+	A69	???	100	+	+	+	+	+	+	+	+	+		B47	(L-3)
Ward & Osows	94	???	+	+	+		+	+	+	+	+		B55,B38	45	???	+	+	+	+	+	+	+	+		+	B45	(LF-3)

(3) – L—Luminex, F-Flow

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

*** 31 TYPING LABS ***			*** 31 TYPING LABS ***		
B18	90%	0.977	B18	100%	0.979
B8	87%	1.000	B8	90%	0.979
A33	87%	0.950	B64	77%	1.000
A32	71%	1.000	B65	77%	0.969
A34	65%	1.000	B37	71%	1.000
B65	65%	1.000	B39	61%	1.000
B39	61%	1.000	B27	45%	1.000
B64	58%	1.000	B50	45%	1.000
B54	45%	1.000	B49	42%	1.000
A68	42%	1.000	B38	39%	0.929
B38	39%	1.000	B45	35%	1.000
A69	23%	1.000	B47	35%	0.923
A74	19%	1.000	B41	19%	1.000
A26	13%	1.000	B14	13%	1.000
B55	13%	1.000	B44	13%	1.000
A29	10%	1.000	A33	10%	1.000
A66	10%	1.000	B21	10%	1.000
B14	6%	1.000	CW5	10%	1.000
B16	6%	1.000	A32	6%	1.000
B42	6%	1.000	B16	6%	1.000
B73	6%	1.000	A29	6%	0.778
6601	3%	1.000	B54	6%	0.667
A1	3%	1.000	2708	3%	1.000
A10	3%	1.000	A23	3%	1.000
A11	3%	1.000	A34	3%	1.000
A25	3%	1.000	A74	3%	1.000
A28	3%	1.000	B12	3%	1.000
B5	3%	1.000	B48	3%	1.000
B7	3%	1.000	B55	3%	1.000
B41	3%	1.000	B73	3%	1.000
B48	3%	1.000	B63	3%	0.500
B49	3%	1.000	B67	3%	0.500
B58	3%	1.000			
B71	3%	1.000			
B72	3%	1.000			
B78	3%	1.000			
A19	3%	0.862			
CW8	3%	0.727			
B45	3%	0.500			

*** 31 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: Luminex/Flow

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

	% POS	% 8'S	B 6 5	B 6 4	B 1 8	B 8	B 1 4	B 3 9	B 3 8		% POS	% 8'S	B 6 5	B 6 8	B 6 4	B 1 8	B 1 4	B 3 7		METHOD
Baker,Judy	10	100	+	+	+						9	100	+		+					(4)
Berka,Noured	15	100	+	+							13	75	+		+					(4)
Cooper,E. Sh	7	100	+	+							2	???							???	(4)
Dunn,Dale Dr	15	75	+	+			+				5	0	+		+		+			(4)
Eckels/CPMC,	36	???		+	+	+		+		B50	15	???	+	+	+				A69	(4)
Fotino,Maril	11	0	+	+							7	0	+		+					(4)
Hahn,Amy B.	55	67	+		+	+	+	+	+	B16	38	40	+	+		+	+	+	B39	(4)
Klein,Jon MD	26	100		+	+	+		+	+		21	60		+		+				(4)
Mah,Helen	18	80	+	+						A33	7	0	+							(4)
Paik,Young K	16	100			+		+				24	50		+		+	+			(4)
Smith/MI,	7	???	+	+							2	???	+							(4)
Suciu-Foca,N	31	53			+	+	+			A32	24	54		+		+	+	+	B47	(4)
Ward & Osows	20	50	+		+	+					10	100	+	+						(4)

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

*** 13 TYPING LABS ***

B64	69%	1.000	B65	69%	0.743
B65	69%	0.973	B8	46%	0.960
B18	54%	0.826	B64	38%	1.000
B8	38%	0.923	B18	31%	0.875
B14	31%	1.000	B14	31%	0.667
B39	23%	0.800	B37	15%	1.000
B38	15%	0.857	???	8%	1.000
B16	8%	1.000	A69	8%	1.000
B50	8%	1.000	B47	8%	1.000
A32	8%	0.889	B39	8%	0.800
A33	8%	0.667			

*** 13 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: Antiglobulin

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

	% POS	% 8'S	B 1 8	B 8	B 6 5	B 6 4	B 3 9	A 3 3	A 6 8	A 3 4		% POS	% 8'S	B 1 8	B 8	B 6 5	B 6 4	B 3 7	B 3 9		METHOD
Choo,Yoon MD	23	50	+		+	+					B56	13	0	+		+	+				(5)
Esteves-Kond	36	50	+	+			+				B54	23	0	+	+			+			(5)
Hahn,Amy B.	???	???	+	+	+	+	+	+	+		A69	???	???	+	+	+	+	+	+		(5)
Holdsworth,R	43	75	+	+	+	+	+	+		+	A28,A32	15	33	+	+	+	+	+			(5)
McAlack,Robe	23	50	+	+	+	+	+	+	+	+		19	0	+	+	+	+	+	+	B47,B41	(5)
Paik,Young K	14	0	+	+							B14	7	0	+						B14	(5)

********** SERUM NO. 957 ********** ********** SERUM NO. 958 **********

*** 6 TYPING LABS ***			*** 6 TYPING LABS ***		
B18	100%	1.000	B18	100%	0.733
B8	83%	0.800	B8	67%	1.000
B39	67%	1.000	B37	67%	1.000
B64	67%	1.000	B65	67%	1.000
B65	67%	1.000	B64	67%	0.833
A33	50%	1.000	B39	33%	1.000
A34	33%	1.000	B41	17%	1.000
A68	33%	1.000	B47	17%	1.000
A28	17%	1.000	B14	17%	0.500
A32	17%	1.000			
A69	17%	1.000			
B54	17%	1.000			
B14	17%	0.500			
B56	17%	0.500			

*** 6 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: Elisa

	SERUM NO. 959												SERUM NO. 960											
	% POS	% 8'S	B 6 5	B 8	B 6 4	B 1 8	B 5 4	B 3 9	B 4 2	B 4 6	B 3 8	B 1 4		% POS	% 8'S	B 8	A 1 1	A 3 4	A 2 6	A 1	A 6 6	A 3 6	A 4 3	6 0 1		METHOD
Alvarez & Ca	40	0											A26,A33,B51	100	???									???	(3)
Baker,Judy	9	67	+		+									0	0											(4)
Berka,Noured	18	100	+		+									0	0											(4)
Burger,Joe	25	100		+		+	+		+	+			A33,B41,B27>	12	100	+	+	+	+	+	+	+	+		A29,A24	(3)
Cantwell,Lin	???	???	+	+	+	+				+			CW10,CW16,CW8>	???	???	+	+	+	+	+		+		+	CW18,B60,CW5	(3)
Choo,Yoon MD	33	0	+	+	+	+							B59,B56	8	0	+									B56	(5)
Claas,F.H.J.	12	33										+		17	100	+										(1)
Cohen,Jacque	55	???	+	+	+	+	+			+			B73,A33	24	???	+	+	+	+	+		+	+			(3)
Cooper,E. Sh	5	50	+											7	0	+										(4)
Darke,Christ	???	???	+	+	+	+	+	+			+		B55,CW10,CW8	???	???	+	+	+	+	+	+	+	+		B59	(3)
Dunckley,Hea	15	75	+	+	+							+		14	100	+										(1)
Dunk,Arthur	18	100	+		+									5	100	+										(6)
Dunn,Dale Dr	15	50	+		+							+		5	100	+										(4)
Dunn,Paul Ph	???	???	+	+	+	+				+			CW10,CW8,CW9>	???	???	+	+	+	+	+	+	+	+		A80	(3)
Eckels/CPMC,	51	???		+		+		+	+	+	+		B55,CW8,A33>	28	???	+	+	+		+					B53	(4)
Elkhalifa MD	40	???	+	+	+	+		+			+		B63	24	???	+										(3)
Ellis,Thomas	93	???		+		+						+	B55,B59,B67,B5>	62	???	+									B14	(3)
Esteves Kond	7	100	+		+									7	100	+										(1)
Esteves-Kond	94	100	+	+	+	+	+	+	+		+		B37,B73	60	0	+	+	+			+					(3)
Fotino,Maril	7	100	+		+									9	80	+										(4)
Foxcroft,Z.K	18	100	+		+								B50,A74,B27>	8	67	+									A74,B81	(1)
Gautreaux,Mi	70	???		+		+			+				CW8,CW10,CW9>	46	???	+	+	+	+	+	+					(3)
Gideoni,Osna	76	100	+	+	+	+	+	+	+				B75,B78,B55	46	100	+	+	+	+	+		+			B18	( )
Hahn,Amy B.	64	43		+		+						+	A33,B16	38	100	+	+									(4)
Hamdi,Nuha D	15	50		+									A66,B81,B47	38	85		+		+		+				A25,CW5,B56,B35	(3)
Han,Hoon Dr	38	???	+	+	+	+	+	+					B63,B73	44	???	+	+				+				B13	(3)
Harville/ACH	???	???	+	+	+	+		+			+		B37,CW5,B50>	???	???	+									B64,CW10,B18,CW8>	(3)
Hogan,Patric	14	57	+		+									22	63	+										(1)
Holdsworth,R	15	33	+	+	+	+							CW8	0	0											(5)
Kamoun,Malek	40	???	+	+	+	+		+			+			24	???	+	+	+	+	+	+				A80	(3)
Klein,Jon MD	35	100		+	+	+		+		+				0	0											(4)
Klein,Tirza	80	100	+	+		+	+	+	+				B78,B55,B41>	46	100	+	+			+					B75,B41,B42,B54	(3)
Lardy,N.M. D	13	100		+								+		13	100	+										(2)
Loewenthal M	78	100	+	+	+	+			+				A34,A32,A68>	44	100	+	+	+	+	+		+		+		(3)
MacCann,Eile	84	???		+		+			+			+	B16,B41,B37>	40	???	+	+	+	+	+		+		+	6602	(3)
Mah,Helen	11	80	+		+									14	83	+										(4)
McAlack,Robe	100	0	+	+	+	+	+	+					B55,B56	94	0	+									A29,B42,B50,B55>	(5)
McAlack-Bala	64	100	+	+	+	+	+		+				A33,A34	34	100	+	+	+	+					+		(3)
McCluskey,Ja	18	100	+		+									15	100	+									???	(6)
Moore,S.Brea	25	???	+	+	+	+	+	+	+	+			B73	11	???	+	+	+	+	+	+	+	+			(3)
Ozawa,Mikki	???	???	+	+	+	+	+		+	+	+		B73,B55	???	???	+	+	+	+	+		+	+	+	A80,B78	(3)
Paik,Young K	???	???		+		+	+		+	+		+	B16,B27,B37>	???	???	+	+	+	+		+				B13,4402,B60,B71	(6)
Pereira,Noem	???	???	+	+	+	+				+			CW10,CW6,CW8>	???	???	+	+	+		+	+					(3)
Permpikul &	1	100											???	1	100										???	(1)
Phelan,Donna	28	???	+	+	+	+	+	+		+	+		B59,A33	14	???	+	+	+	+		+					(6)
Pidwell,Dian	8	100	+	+										12	100	+										(2)
Sage,Deborah	82	???	+	+	+	+	+	+	+	+	+		B67	46	???	+	+	+	+	+		+	+	+	A80	(3)
Smith/MI,	10	???	+		+		+							7	???	+										(4)
Suciu-Foca,N	11	4										+		4	100	+										(1)
Tagliere,Jac	15	40	+		+									6	100	+										(2)
Ward & Osows	63	100	+	+		+		+			+		B62,B60,A34	10	50	+									B58	(4)

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

*** 51 TYPING LABS ***			*** 51 TYPING LABS ***		
B65	73%	0.967	B8	86%	0.956
B64	67%	0.952	A11	45%	0.944
B8	67%	0.892	A34	37%	1.000
B18	59%	0.980	A26	33%	0.903
B39	29%	1.000	A1	31%	0.957
B54	29%	1.000	A66	24%	0.900
B42	25%	1.000	A36	22%	1.000
B46	24%	1.000	A43	14%	1.000
B38	20%	1.000	6601	12%	1.000
B14	18%	1.000	A80	8%	1.000
B55	16%	1.000	???	6%	1.000
A33	16%	0.931	B56	6%	0.500
B73	14%	1.000	A29	4%	1.000
CW8	14%	1.000	B18	4%	1.000
A34	10%	1.000	B42	4%	1.000
CW10	10%	1.000	B54	4%	1.000
B37	8%	1.000	B60	4%	1.000
CW9	8%	1.000	CW5	4%	1.000
B16	8%	0.889	B13	4%	0.500
B27	8%	0.625			
B41	6%	1.000			
B59	6%	1.000			
B63	6%	0.750			
A68	4%	1.000			
B50	4%	1.000			
B67	4%	1.000			
B75	4%	1.000			
B78	4%	1.000			
B81	4%	1.000			
A66	4%	0.750			
B56	4%	0.667			

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

*** 51 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: All

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

*** 7 TYPING LABS ***

B65	57%	0.933
B64	57%	0.750
B14	43%	1.000
???	14%	1.000
A74	14%	1.000
B8	14%	1.000
B50	14%	1.000
B81	14%	1.000
B63	14%	0.500
B27	14%	0.400

*** 7 TYPING LABS ***

B8	86%	0.932
???	14%	1.000
A74	14%	1.000
B81	14%	1.000

*** 7 LABORATORIES REPLIED ***

Method: NIH-std

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

*** 3 TYPING LABS ***

B65	67%	1.000
B8	67%	0.286
B14	33%	1.000
B64	33%	1.000

*** 3 TYPING LABS ***

B8	100%	0.941

*** 3 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: NIH-ext

********** SERUM NO. 959 **********												********** SERUM NO. 960 **********												
	% POS	% 8'S	B 8	B 1 8	B 6 5	B 6 4	B 5 4	B 4 6	B 4 2	B 3 9	B 3 8	C W 8		% POS	% 8'S	B 8	A 1 1	A 3 4	A 1	A 2 6	A 6 6	A 3 6	A 4 3	6 A 0 1	A 8 0		METHOD
Alvarez & Ca	40	0											A26,A33,B51	100	???										???	(F-3)
Baker,Judy	49	???	+	+	+	+	+	+				+	B73,CW1,CW9	24	???	+	+	+	+	+	+	+	+			(L-3)
Berka,Noured	34	100	+	+			+	+					B82	32	100	+	+	+						+		6602	(L-3)
Burger,Joe	25	100	+	+			+	+	+				A33,B41,B27>	12	100	+	+	+	+	+	+	+	+			A29,A24	(L-3)
Cantwell,Lin	???	???	+	+	+	+		+				+	CW10,CW16,B73>	???	???	+	+	+	+	+		+		+		CW18,B60,CW5	(L-3)
Cohen,Jacque	55	???	+	+	+	+	+	+					B73,A33	24	???	+	+	+	+	+		+	+				(LF-3)
Darke,Christ	???	???	+	+	+	+	+			+	+	+	B55,CW10	???	???	+	+	+	+	+	+	+	+			B59	(L-3)
Dunn,Paul Ph	???	???	+	+	+	+		+				+	CW10,CW9,CW1>	???	???	+	+	+	+	+	+	+	+		+		(L-3)
Eckels/CPMC,	92	???		+						+	+		A29,A31,A32>	47	???	+	+	+	+	+				+			(LF-3)
Elkhalifa MD	40	???	+	+	+	+				+	+		B63	24	???	+											(L-3)
Ellis,Thomas	93	???	+	+									B14,B55,B59,B5>	62	???	+										B14	(LF-3)
Esteves-Kond	94	100	+	+	+	+	+		+	+	+		B37,B73	60	0	+	+	+		+							(F-3)
Fotino,Maril	???	???	+	+	+	+		+				+	CW10,CW16	???	???	+	+	+	+		+	+	+			A25	(L-3)
Gautreaux,Mi	70	???	+	+					+			+	CW10,CW9,A33>	46	???	+	+	+	+	+	+						(L-3)
Hamdi,Nuha D	15	50	+										A66,B81,B47	38	85		+			+	+					A25,CW5,B56>	(L-3)
Han,Hoon Dr	38	???	+	+	+	+	+			+			B63,B73	44	???	+	+				+					B13	(L-3)
Harville/ACH	???	???	+	+	+	+				+	+		B37,CW5,B50>	???	???	+										B64,CW10,B18>	(L-3)
Kamoun,Malek	40	???	+	+	+	+				+	+			24	???	+	+	+	+	+	+				+		(L-3)
Klein,Tirza	80	100	+	+	+		+		+	+			B78,B55,B41>	46	100	+	+		+							B75,B41,B42>	(L-3)
Loewenthal M	78	100	+	+	+	+			+				A34,A32,A68>	44	100	+	+	+	+	+		+		+			(L-3)
MacCann,Eile	84	???	+	+					+				B16,B14,B41>	40	???	+	+	+	+	+		+		+		6602	(L-3)
McAlack-Bala	64	100	+	+	+	+	+		+				A33,A34	34	100	+	+	+		+				+			(L-3)
Moore,S.Brea	25	???	+	+	+	+	+	+	+	+			B73	11	???	+	+	+	+	+	+	+	+				(L-3)
Ozawa,Mikki	???	???	+	+	+	+	+	+	+		+		B73,B55	???	???	+	+	+	+	+		+	+	+	+	B78	(L-3)
Pereira,Noem	???	???	+	+	+	+		+				+	CW10,CW6,CW9>	???	???	+	+	+	+		+						(L-3)
Phelan,Donna	28	???	+	+	+	+				+	+		B59,A33,A34>	11	???	+	+	+	+	+	+	+	+		+		(L-3)
Pidwell,Dian	???	???	+	+	+	+	+	+				+	CW10,CW9,CW1	???	???	+	+	+	+	+	+	+	+		+	8201	(F-3)
Sage,Deborah	82	???	+	+	+	+	+	+	+	+	+		B67	46	???	+	+	+	+	+		+	+	+	+		(L-3)
Smith/MI,	56	???	+	+					+	+	+		A29,A30,3303>	26	???	+	+	+	+	+		+	+	+			(L-3)
Suciu-Foca,N	???	100	+	+	+	+	+	+	+				B73,A34,B67	???	100	+	+	+	+	+	+						(L-3)
Ward & Osows	61	???	+	+	+	+	+	+				+	CW10,CW9,CW1	52	???	+	+	+	+	+			+	+	+	A24	(LF-3)

(3) – L—Luminex, F-Flow

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

*** 31 TYPING LABS ***			*** 31 TYPING LABS ***		
B8	94%	1.000	B8	94%	1.000
B18	94%	1.000	A11	87%	0.985
B65	71%	1.000	A34	77%	1.000
B64	68%	1.000	A1	71%	0.966
B54	48%	1.000	A26	68%	0.914
B46	45%	1.000	A36	48%	1.000
B39	39%	1.000	A66	48%	0.913
B42	39%	1.000	A43	42%	1.000
B38	32%	1.000	6601	32%	1.000
B73	29%	1.000	A80	23%	1.000
CW8	29%	1.000	6602	6%	1.000
CW10	26%	1.000	A24	6%	1.000
CW9	23%	1.000	A25	6%	1.000
A33	23%	0.909	B54	6%	1.000
A34	16%	1.000	CW5	6%	1.000
A68	16%	1.000	8201	3%	1.000
B55	13%	1.000	???	3%	1.000
CW1	13%	1.000	A29	3%	1.000
B14	10%	1.000	B14	3%	1.000
B16	10%	1.000	B18	3%	1.000
B37	10%	1.000	B41	3%	1.000
B41	10%	1.000	B42	3%	1.000
B67	10%	1.000	B46	3%	1.000
A29	6%	1.000	B59	3%	1.000
A32	6%	1.000	B60	3%	1.000
B27	6%	1.000	B64	3%	1.000
B59	6%	1.000	B65	3%	1.000
B63	6%	1.000	B75	3%	1.000
CW16	6%	1.000	B78	3%	1.000
A66	6%	0.750	CW18	3%	1.000
3303	3%	1.000	CW9	3%	1.000
3402	3%	1.000	CW16	3%	1.000
A26	3%	1.000	CW8	3%	1.000
A30	3%	1.000	CW10	3%	1.000
A31	3%	1.000	B13	3%	0.333
B5	3%	1.000	B35	3%	0.333
B22	3%	1.000	B56	3%	0.333
B50	3%	1.000			
B51	3%	1.000			
B53	3%	1.000			
B75	3%	1.000			
B78	3%	1.000			
B81	3%	1.000			
B82	3%	1.000			
CW14	3%	1.000			
CW6	3%	1.000			
CW5	3%	1.000			
B47	3%	0.500			
CW7	3%	0.429			

*** 31 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: Luminex/Flow

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

	% POS	% 8'S	B 6 5	B 6 4	B 8	B 1 8	B 1 4	B 3 9	B 4 6	B 3 8	A 3 4	A 3 3		% POS	% 8'S	B 8	A 1 1		METHOD
Baker,Judy	9	67	+	+										0	0				(4)
Berka,Noured	18	100	+	+										0	0				(4)
Cooper,E. Sh	5	50	+											7	0	+			(4)
Dunn,Dale Dr	15	50	+	+			+							5	100	+			(4)
Eckels/CPMC,	51	???			+	+		+	+	+	+	+	B42,B55,CW8	28	???	+	+	A1,A34,B53	(4)
Fotino,Maril	7	100	+	+										9	80	+			(4)
Hahn,Amy B.	64	43			+	+	+				+		B16	38	100	+	+		(4)
Klein,Jon MD	35	100		+	+	+		+	+					0	0				(4)
Mah,Helen	11	80	+	+										14	83	+			(4)
Paik,Young K	14	0			+		+							19	0	+			(4)
Smith/MI,	10	???	+	+									B54	7	???	+			(4)
Suciu-Foca,N	31	56			+	+	+							5	33	+			(4)
Ward & Osows	63	100	+		+	+		+		+	+		B62,B60	10	50	+		B58	(4)

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

*** 13 TYPING LABS ***

B65	62%	0.941
B64	54%	1.000
B8	46%	0.824
B18	38%	0.917
B14	31%	0.944
B39	23%	1.000
A33	15%	1.000
A34	15%	1.000
B38	15%	1.000
B46	15%	1.000
B42	8%	1.000
B54	8%	1.000
B55	8%	1.000
B60	8%	1.000
B62	8%	1.000
CW8	8%	1.000
B16	8%	0.778

*** 13 TYPING LABS ***

B8	77%	0.906
A11	15%	0.786
A1	8%	1.000
A34	8%	1.000
B53	8%	1.000
B58	8%	1.000

*** 13 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: Antiglobulin

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

	% POS	% 8'S	B 8	B 18	B 64	B 65	B 39	B 54	B 37	B 67	B 56	A 33	B 46	B 55	B 59	CW 8	B 38	B 14	% POS	% 8'S	B 8	B 56	METHOD
Choo,Yoon MD	33	0	+	+	+	+					+				B59				8	0	+	+	(5)
Esteves-Kond	63	0	+	+	+		+	+	+						B38				16	0	+		(5)
Hahn,Amy B.	???	???	+	+	+	+	+	+							A33,B46				???	???	+	A11	(5)
Holdsworth,R	15	33	+	+	+	+									CW8				0	0			(5)
McAlack,Robe	100	0	+	+	+	+	+	+			+				B55				94	0	+	+	A29,B42,B50,B55,B38,B51 (5)
Paik,Young K	14	0	+	+					+						B14				4	0	+		B65 (5)

********** SERUM NO. 959 ********** ********** SERUM NO. 960 **********

*** 6 TYPING LABS ***

B18	100%	0.875
B8	100%	0.700
B64	83%	1.000
B65	67%	1.000
B39	50%	1.000
B54	50%	1.000
B37	33%	1.000
B67	33%	0.800
B56	33%	0.667
A33	17%	1.000
B46	17%	1.000
B55	17%	1.000
B59	17%	1.000
CW8	17%	1.000
B38	17%	0.667
B14	17%	0.500

*** 6 TYPING LABS ***

B8	83%	0.750
B56	33%	0.667
A11	17%	1.000
A29	17%	1.000
B38	17%	1.000
B42	17%	1.000
B50	17%	1.000
B51	17%	1.000
B55	17%	1.000
B65	17%	0.333

*** 6 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: AUG 6 2008 **********

Method: Elisa

CTR	INVESTIGATOR NAME	DNA EXTRACT #421 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*020101	*2312	*27	*44	*0102	*05	RSSO,SSP,SBT
4691	Ali,M.Ashraf	*02	*23	*27	*44	*01	*05	SSO
2300	Allegheny Ge	*02	*23	*27	*44	*01	*05	SSP
745	Anthony Nola	*020101	*2312	*2705	*44020101	*010201	*050101	SSO,SSP,SBT
5133	Baker,Judy	*02	*23	*27	*44	*01	*05	PCR-SSO
105	Ball,Edward	*02	*23	*2705	*4402/52N/59	*01	*05	PCR-SSP
4345	Blasczyk,Rai	*0201/01L/09/43N+	*2312	*2705/13	*4402/02S/19N/27	*0102	*0501/03	PCR-SBT
5106	Brown,Colin	*0201	*2312	*2703/05/13/17	*4402/19N/23N/24+	*01	*05	PCR-SSOP,SBT
785	Chan,Soh Ha	*0201/09/43N/66+	*2312	*2705/13/37/38	*4402/19N/21/27+	*0102/14	*05/*0802	
3224	Chen,Dongfen	*0201	*2312	*2705	*4402	*0102	*0501	SBT,SSO
3625	Darke,Christ	*0201	*2312	*2705	*4402	*0102	*0501	SBT,PCR-SSP
1108	Davis,Mary	*0201/*9211/19/21+	*2312	*2705	*4402	*0102	*0501	SSO,SSP
5891	Du,Keming	*0201	*2312	*2705/13/37/38	*4402/19/21/27/55			PCR-SBT
3186	Dunckley,Hea	*02	*23	*27	*44	*01	*05	SSP
3766	Dunn,Paul	*02	*2312	*27	*44	*01	*05	
3428	Eckels/Utah	*02	*2312	*27	*44			SSOP
4251	Ellis,Thomas	*0201	*2312	*2705/13	*4402/19N/27	*0102	*0501/03	PCR-SSO,SEQ
762	Fischer&Mayr	*0201/09	*23	*2705	*4402/27	*0102	*0501/03	RVSSO,SBT
3135	Fischer,John	*0201	*2312	*2705/13	*4402/27	*0102	*0501	SBT,PCR-SSO
729	Fotino,Maril	*02	*23	*27	*44	*01	*05	SSO,SSP
810	Hamdi,Nuha	*0215N	*2312	*2703	*44020101	*0105	*050101	SSO
1461	Hidajat,Mela	*0201/83N/89/96+	*2312	*2705	*4402/52N	*0102/15/16/18	*0501	SSO,SSP
615	Holdsworth,R	*0201/01L/09/43N+	*2312	*27	*44			SSP,SBT
2344	Hurley&Hartz	*02010101/010102L+	*2312	*270502/0504/13	*44020101/020102S+	*010201/0202	*050101/0104+	SBT,SSOP
797	Kato,Shunich	*0201/01L	*2312	*2705/13	*4402/02S/19N+	*0102	*0501/03	SSO,SBT
87	Land,Geoff	*0201	*2312	*2705	*4402	*0102	*0501	SBT,SSP
278	Lee,Jar-How	*0201/24/53N/66+	*2312	*2705	*4402	*0102/11	*0501/07N/13	SSP,RVSSOP
640	Lee,Kyung Wh	*0201/09/43N/66+	*2312	*2705/13/37	*4402/19N/27/55	*0102	*0501/03	PCR-SBT
9916	McIntyre,Joh	*02010101	*2312	*2705	*44020101	*0102/14-19	*0501	SSP,SBT
8021	Montague,Bri	*020101-0104/0106+	*2301-08N+	*2701/02/05+	*4402/11/19N+	*0102/03/06-11+	*0501/03-07+	PCR-SSP
5323	Murad,Shahna	*02	*23	*27	*44	*01	*05	PCR-SSP
733	Mytilineos,J	*02	*2312	*27	*44	*01	*05	SSO
8022	Olerup,Olle	*0201	*2312	*2705	*4402	*0102	*0501	SSP
8000	Pahl,Armin	*02	*23	*27	*44			SSO
3648	Pereira,Noem	*02	*23	*27	*44	*01	*05	RVPCR-SSO
3966	Permpikul&Ve	*0201	*23	*27	*44	*0102	*0501	PCR-SSP
2400	Phelan,Donna	*0201	*2312	*2705	*4402	*0102	*0501	RVSSO,SSP
3753	Reed,Elaine	*0201	*2312	*2705/13/37/38	*4402/19N/21/27/55	*0102/14	*0501/*0802	SBT
1694	Sauer&Guttwa	*02	*23	*27	*44	*01	*05	SSP
3545	Scornik,Juan	*0201	*2312	*2705/13	*4402/19N	*0102	*0501	SSOP,SBT
5096	Seoul Red Cr	*02	*23	*27	*44			PCR-SSO
8042	Shainberg,Br	*0201	*2312	*2705	*4402	*0102	*0501	
735	Smith/MI	*0201/83	*2312	*2705/13/38	*4402/19N/21/27	*0102	*0501	SEQ,SSP,RSSO
740	Snider,Denis	*0201	*2312	*2705	*4402	*0102	*0501	SSP
746	Stamm,Luz	*0201	*2312	*2705	*4402	*0102	*0501	RVSSO,SSP
13	Tagliere,Jac	*0201	*2312	*2705	*4402	*0102	*0501	SSP
4021	Trachtenberg	*02	*23	*27	*44	*01	*05	RVSSO,SSP
5462	Turner,E.V.	*0201	*2312	*2705	*44020101/0102S	*0102	*0501	SSP,SEQ

CTR	INVESTIGATOR NAME	DNA EXTRACT #422 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*020105	*110101	*350101/42	*440201/19N	*04	*05	RSSO,SSP,SBT
4691	Ali,M.Ashraf	*02	*11	*35	*44	*04	*05	SSO
2300	Allegheny Ge	*02	*11	*35	*44	*04	*05	SSP
745	Anthony Nola	*020105	*110101	*350101	*44020101	*040101	*050101	SSO,SSP,SBT
5133	Baker,Judy	*02	*11	*35	*44	*04	*05	PCR-SSO
105	Ball,Edward	*0201/*9207/09	*1101	*3501	*4402/52N/53	*0401/28/30/31	*05	PCR-SSP
4345	Blasczyk,Rai	*0201	*1101/21N	*3501/40N/42/57	*4402/02S/19N/27	*0401/09N/28/30	*0501/03	PCR-SBT
5106	Brown,Colin	*020105	*1101	*3501/10/27/42/52	*4402/12/19N/27	*04	*05	PCR-SSOP,SBT
785	Chan,Soh Ha	*020105	*1101/21N/32	*35/*53	*4402/09/12/19N/27	*0401/09N/28/30	*0501/03	
3224	Chen,Dongfen	*020105	*1101	*3501	*4402	*0401/09N/30	*0501	SBT,SSO
3625	Darke,Christ	*020105	*1101	*3501/42	*4402	*0401/28/30	*0501	SBT,PCR-SSP
1108	Davis,Mary	*0201	*1101	*3501	*4402	*0401	*0501	SSO,SSP
5891	Du,Keming	*0201	*1101	*3501/10/42	*4402/12/19N			PCR-SBT
3186	Dunckley,Hea	*02	*11	*35	*44	*04	*05	SSP
3766	Dunn,Paul	*02	*11	*35	*44	*04	*05	
3428	Eckels/Utah	*02	*11	*35	*44			SSOP
4251	Ellis,Thomas	*0201	*1101	*3501/42	*4402/19N	*0401/28/30	*0501/03	PCR-SSO,SEQ
762	Fischer&Mayr	*02var	*1101	*3501/40N	*4402/27	*0401/09N	*0501/03	RVSSO,SBT
3135	Fischer,John	*0201	*1101	*3501/42	*4402	*0401/09N/30	*0501	SBT,PCR-SSO
729	Fotino,Maril	*02	*11	*35	*44	*04	*05	SSO,SSP
810	Hamdi,Nuha	*02010102L	*110101	*350101	*44020101	*04010101	*050101	SSO
1461	Hidajat,Mela	*0201	*1101	*3501	*4402/52N	*0401	*0501	SSO,SSP
615	Holdsworth,R	*02	*11	*35	*44			SSP
2344	Hurley&Hartz	*020105	*110101/21N	*350101/0103/40N+	*44020101/020102S+	*04010101/010102+	*050101/0104+	SBT,SSOP
797	Kato,Shunich	*0201	*1101	*3501/42	*4402/02S/19N	*0401/09N	*0501/03	SSO,SBT
87	Land,Geoff	*0201	*1101	*3501	*4402	*0401	*0501	SBT,SSP
278	Lee,Jar-How	*0201/24/53N/66+	*1101/15/19/21N+	*3501/48/57	*4402	*0401/18-20	*0501/07N/13	SSP,RVSSOP
640	Lee,Kyung Wh	*020105	*1101/21N	*3501/40N/42/57	*4402/19N/27	*0401/09N/28/30	*0501/03	PCR-SBT
9916	McIntyre,Joh	*020105	*110101	*350101	*44020101	*0401/28/30/31	*0501	SSP,SBT
8021	Montague,Bri	*020105/24/28/72+	*1101/02/05-07+	*3501-0401/06+	*4402/11/19N+	*0401/03-10+	*0501/03-07+	PCR-SSP
5323	Murad,Shahna	*02	*11	*35	*44	*04	*05	PCR-SSP
733	Mytilineos,J	*02	*11	*35	*44	*04	*05	SSO
8022	Olerup,Olle	*0201	*1101	*3501	*4402	*0401	*0501	SSP
8000	Pahl,Armin	*02	*11	*35	*44			SSO
3648	Pereira,Noem	*02	*11	*35	*44	*04	*05	RVPCR-SSO
3966	Permpikul&Ve	*02	*1101	*35	*44	*0401	*0501	PCR-SSP
2400	Phelan,Donna	*0201/30	*1101	*3501	*4402	*0401	*0501	RVSSO,SSP
3753	Reed,Elaine	*0201	*1101	*3501/10/42/*5313	*4402/09/12/19N	*0401/09N/30	*0501	SBT
1694	Sauer&Guttwa	*02	*11	*35	*44	*04	*05	SSP
3545	Scornik,Juan	*020105	*110101	*3501/42	*4402/19N	*0401/09N	*0501	SSOP,SBT
5096	Seoul Red Cr	*02	*11	*35	*44			PCR-SSO
8042	Shainberg,Br	*0201	*1101	*3501	*4402	*0401	*0501	
735	Smith/MI	*0201	*1101	*3501/42	*4402/19N	*0401/28/30	*0501/03	SEQ,SSP,RSSO
740	Snider,Denis	*0201	*1101	*3501	*4402	*0401	*0501	SSP
746	Stamm,Luz	*0201	*1101	*3501	*4402	*0401	*0501	RVSSO,SSP
13	Tagliere,Jac	*0201	*1101	*3501	*4402	*0401	*0501	SSP
4021	Trachtenberg	*02	*11	*35	*44	*04	*05	RVSSO,SSP
5462	Turner,E.V.	*0201	*1101	*3501	*44020101/0102S	*0401	*0501	SSP,SEQ

CTR	INVESTIGATOR NAME	DNA EXTRACT #423 A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*0213	*030101	*070201	*440201/19N	*05	*070201	RSSO,SSP,SBT
4691	Ali,M.Ashraf	*02	*03	*07	*44	*05	*07	SSO
2300	Allegheny Ge	NT						
745	Anthony Nola	*0213	*030101	*070201	*44020101	*050101	*0702/50	SSO,SSP,SBT
5133	Baker,Judy	*02	*03	*07	*44	*05	*07	PCR-SSO
105	Ball,Edward	*0213	*0301/27-29/33+	*0702/61-64	*4402/52N/59	*05	*0702/41/54	PCR-SSP
4345	Blasczyk,Rai	*0213	*0301/01N/20/21N+	*0702/44/49N/58+	*4402/02S/19N/27	*0501/03	*0702/50	PCR-SBT
5106	Brown,Colin	*0213	*0301	*07	*4402/12/19N/23N+	*05	*07	PCR-SSOP,SBT
785	Chan,Soh Ha	*0213	*0301/20/21N/26+	*07	*4402/12/16/19N+	*0501/03/11	*0702/37/50	
3224	Chen,Dongfen	*0213	*0301	*0702/61	*4402/19N	*0501	*0702/50	SBT,SSO
3625	Darke,Christ	*0213	*0301	*0702	*4402	*0501	*0702	SBT,PCR-SSP
1108	Davis,Mary	*0213	*0301	*0702	*4402	*0501	*0702	SSO,SSP
5891	Du,Keming	*0213	*0301	*0702/20/24/54/61	*4402/12/16/19N			PCR-SBT
3186	Dunckley,Hea	*02	*03	*07	*44	*05	*07	SSP
3766	Dunn,Paul	*0213	*03	*07	*44	*05	*07	
3428	Eckels/Utah	*0213/27	*03	*07	*44			SSOP
4251	Ellis,Thomas	*0213	*0301	*0702	*4402/19N	*0501/03	*0702/50	PCR-SSO,SEQ
762	Fischer&Mayr	*0213	*0301	*0702	*4402/27	*0501/03	*0702	RVSSO,SBT
3135	Fischer,John	*0213	*0301	*0702	*4402	*0501	*0702	SBT,PCR-SSO
729	Fotino,Maril	*02	*03	*07	*44	*05	*07	SSO,SSP
810	Hamdi,Nuha	*0213	*03010101	*070201	*44020101	*050101	*07020101	SSO
1461	Hidajat,Mela	*0213	*0301/27/28	*0702/58	*4402	*0501	*0702	SSO,SSP
615	Holdsworth,R	*02	*03	*07	*44			SSP
2344	Hurley&Hartz	*0213	*03010101/010102N+	*070201/0206/44+	*44020101/020102S+	*050101/0104/03	*07020101+	SBT,SSOP
797	Kato,Shunich	*0213	*0301/01N	*0702	*4402/02S/19N	*0501/03	*0702	SSO,SBT
87	Land,Geoff	*0213	*0301	*0702	*4402	*0501	*0702	SBT,SSP
278	Lee,Jar-How	*0213	*0301	*0702	*4402	*0501	*0702	SSP,RVSSOP
640	Lee,Kyung Wh	*0213	*0301/20/21N/26+	*0702/44/49N/58+	*4402/19N/27	*0501/03/11	*0702/37/50	PCR-SBT
9916	McIntyre,Joh	*0213	*030101	*070201	*44020101	*0501	*0702	SSP,SBT
8021	Montague,Bri	*0202/03/05+	*0301-04/07+	*0702/04/10+	*4402/11/19N+	*0501/03-07+	*0702/03/10+	PCR-SSP
5323	Murad,Shahna	*02	*03	*07	*44	*05	*07	PCR-SSP
733	Mytilineos,J	*02	*03	*07	*44	*05	*07	SSO
8022	Olerup,Olle	*0213	*0301	*0702	*4402	*0501	*0702	SSP
8000	Pahl,Armin	*02	*03	*07	*44			SSO
3648	Pereira,Noem	*02	*03	*07	*44	*05	*07	RVPCR-SSO
3966	Permpikul&Ve	*0213	*03	*07	*44	*0501	*0702	PCR-SSP
2400	Phelan,Donna	*0213	*0301	*0702	*4402	*0501	*0702	RVSSO,SSP
3753	Reed,Elaine	*0213	*0301	*0702/20/24/54/61	*4402/12/16/19N/21	*0501/11	*0702/37/50	SBT
1694	Sauer&Guttwa	*02	*03	*07	*44	*05	*07	SSP
3545	Scornik,Juan	*0213	*0301	*0702/61	*4402/19N	*0501	*0702/50	SSOP,SBT
5096	Seoul Red Cr	*02	*03	*07	*44			PCR-SSO
8042	Shainberg,Br	*0213	*0301	*0702	*4402	*0501	*0702	
735	Smith/MI	*0213	*0301	*0702/61	*4402	*0501/03	*0702/50	SEQ,SSP,RSSO
740	Snider,Denis	*0213	*0301	*0702	*4402	*0501	*0702	SSP
746	Stamm,Luz	*0213	*0301	*0702	*4402	*0501	*0702	RVSSO,SSP
13	Tagliere,Jac	*0213	*0301	*0702	*4402	*0501	*070201	SSP
4021	Trachtenberg	*0213/27	*03	*07	*44	*05	*07	RVSSO,SSP
5462	Turner,E.V.	*0213	*0301	*0702	*44020101/0102S	*0501	*0702	SSP,SEQ

CTR	INVESTIGATOR NAME	DNA EXTRACT #424 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*020101		*180101/17N	*2712	*020202	*120301	RSSO,SSP,SBT
4691	Ali,M.Ashraf	*02	*02	*18	*27	*02	*12	SSO
2300	Allegheny Ge	NT						
745	Anthony Nola	*020101		*180101	*2712	*020202	*120301	SSO,SSP,SBT
5133	Baker,Judy	*02		*18	*27	*02	*12	PCR-SSO
105	Ball,Edward	*0201/*9207/09		*1801/20/28	*2712	*02	*1203-05/20	PCR-SSP
4345	Blasczyk,Rai	*0201/01L/09/43N/66/75/83N/89/97+		*1801/17N	*2712	*0202	*1203	PCR-SBT
5106	Brown,Colin	*02		*1801/05/17N/23N+	*2712	*0202/04/07/09+	*1203/06/13+	PCR-SSOP,SBT
785	Chan,Soh Ha	*0201/09/43N/66/75/83N/89/97/*9221+		*1801/17N/23N	*2712	*020202	*1203	
3224	Chen,Dongfen	*0201		*1801	*2712	*0202	*1203	SBT,SSO
3625	Darke,Christ	*0201		*1801/17N	*2712	*0202	*1203	SBT,PCR-SSP
1108	Davis,Mary	*0201/*9211/13N/16/19/20+		*1801	*2712	*0202	*1203	SSO,SSP
5891	Du,Keming	*0201	*0201	*1801/17N	*2712			PCR-SBT
3186	Dunckley,Hea	*02		*18	*2712/26	*02	*12	SSP
3766	Dunn,Paul	*02		*18	*2712	*02	*12	
3428	Eckels/Utah	*02	*02	*18	*2712			SSOP
4251	Ellis,Thomas	*0201	*0201	*1801/17N	*2712	*0202	*1203	PCR-SSO,SEQ
762	Fischer&Mayr	*0201/09		*1801	*2712	*0202	*1203	RVSSO,SBT
3135	Fischer,John	*0201		*1801/17N	*2712	*0202	*1203	SBT,PCR-SSO
729	Fotino,Maril	*02		*18	*27	*02	*12	SSO,SSP
810	Hamdi,Nuha	*02010102L	*02010102L	*1817N	*2712	*020201	*120301	SSO
1461	Hidajat,Mela	*0201	*0201	*1801	*2712	*0202/15	*1203	SSO,SSP
615	Holdsworth,R	*02		*18	*27			SSP
2344	Hurley&Hartz	*02010101/010102L+	*02010101/010102L+	*180101/0103/17N	*2712	*020202	*12030101+	SBT,SSOP
797	Kato,Shunich	*0201/01L		*1801/17N	*2712	*0202	*1203	SSO,SBT
87	Land,Geoff	*0201	*0201	*1801	*2712	*0202	*1203	SBT,SSP
278	Lee,Jar-How	*0201/24/53N/66/88N/94N-97		*1801	*2712	*0202	*1203	SSP,RVSSOP
640	Lee,Kyung Wh	*0201/09/43N/66/75/83N/89/97//+		*1801/17N	*2712	*0202	*1203	PCR-SBT
9916	McIntyre,Joh	*020101		*180101	*2712	*0202/19/20	*1203	SSP,SBT
8021	Montague,Bri	*0201-05+		*1801-08/10+	*2712/16/23/26/31	*0202/04-14+	*120301/0303+	PCR-SSP
5323	Murad,Shahna	*02		*18	*27	*02	*12	PCR-SSP
733	Mytilineos,J	*02		*18	*2712	*02	*12	SSO
8022	Olerup,Olle	*0201		*1801	*2712	*0202	*1203	SSP
8000	Pahl,Armin	*02		*18	*27			SSO
3648	Pereira,Noem	*02		*18	*27	*02	*12	RVPCR-SSO
3966	Permpikul&Ve	*02		*18	*27	*0202	*12	PCR-SSP
2400	Phelan,Donna	*0201		*1801	*2712	*0202	*1203	RVSSO,SSP
3753	Reed,Elaine	*0201		*1801/17N	*2712	*0202	*1203	SBT
1694	Sauer&Guttwa	*02		*18	*27	*02	*12	SSP
3545	Scornik,Juan	*0201		*1801/17N	*2712	*020202	*120301	SSOP,SBT
5096	Seoul Red Cr	*02	*02	*18	*27			PCR-SSO
8042	Shainberg,Br	*0201		*1801	*2712	*0202	*1203	
735	Smith/MI	*0201		*1801/17N	*2712	*0202	*1203	SEQ,SSP,RSSO
740	Snider,Denis	*0201		*1801	*2712	*0202	*1203	SSP
746	Stamm,Luz	*0201		*1801	*2712	*0202	*1203	RVSSO,SSP
13	Tagliere,Jac	*020101		*1801	*2712	*0202	*1203	SSP
4021	Trachtenberg	*02		*18	*2712	*02	*12	RVSSO,SSP
5462	Turner,E.V.	*0201		*1801	*2712	*0202	*1203	SSP,SEQ

SUMMARY

Extract 421 (Caucasian)

48 labs

A*02	54%
A*0201	38%
A*020101	4%
A*02010101	2%
A*0215N	2%
A*02	100% TOTAL
A*23	31%
A*2312	69%
A*23	100% TOTAL

48 labs

B*27	50%
A*2705/13	13%
B*2703	2%
B*2705	35%
B*27	100% TOTAL
B*44	69%
B*4402	23%
B*440201	2%
B*44020101	6%
B*44	100% TOTAL

42 labs

Cw*01	44%
Cw*0102	51%
Cw*010201	3%
Cw*0105	2%
Cw*01	100% TOTAL
Cw*05	37%
Cw*0501/03	14%
Cw*0501	39%
Cw*050101	5%
Cw*05	95% TOTAL

Extract 422 (Caucasian)

48 labs

A*02	42%
A*02var	2%
A*0201	33%
A*02010102L	2%
A*020105	21%
A*02	100% TOTAL
A*11	44%
A*1101	46%
A*110101	10%
A*11	100% TOTAL

48 labs

B*35	50%
B*3501/42	13%
B*350101/42	2%
B*3501	25%
B*350101	6%
B*35	96% TOTAL
B*44	56%
B*4402/19N	9%
B*440201/19N	2%
B*4402	25%
B*440201	2%
B*44020101	6%
B*44	100% TOTAL

42 labs

Cw*04	70%
Cw*0401	26%
Cw*040101	2%
Cw*04010101	2%
Cw*04	100% TOTAL
Cw*05	37%
Cw*0501/03	19%
Cw*0501	39%
Cw*050101	5%
Cw*05	100% TOTAL

Extract 423

47 labs

A*02	30%
A*0213	70%
A*02	100% TOTAL
A*03	47%
A*0301	45%
A*030101	6%
A*03010101	2%
A*03	100% TOTAL

47 labs

B*07	59%
B*0702	32%
B*070201	9%
B*07	100% TOTAL
B*44	53%
B*4402/19N	9%
B*440201/19N	2%
B*4402	28%
B*440201	2%
B*44020101	6%
B*44	100% TOTAL

41 labs

Cw*05	41%
Cw*0501/03	14%
Cw*0501	40%
Cw*050101	5%
Cw*05	100% TOTAL
Cw*07	38%
Cw*0702/50	17%
Cw*0702	38%
Cw*070201	5%
Cw*07020101	2%
Cw*07	100% TOTAL

Extract 424 (Caucasian)

47 labs

A*02	53%
A*0201	36%
A*020101	9%
A*02010102L	2%
A*02	100% TOTAL

47 labs

B*18	40%
B*1801/17N	24%
B*180101/17N	2%
B*1801	28%
B*180101	4%
B*1817N	2%
B*18	100% TOTAL
B*27	26%
B*2712	74%
B*27	100% TOTAL

41 labs

Cw*02	36%
Cw*0202	50%
Cw*020201	2%
Cw*020202	12%
Cw*02	100% TOTAL
Cw*12	33%
Cw*1203	57%
Cw*120301	10%
Cw*12	100% TOTAL

INVESTIGATOR	CELL NO.1333 (Asian)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
745 Anthony Nola	*020301	*020601	*1525	*480301	*0403	*080101	SSO,SSP,SBT
5106 Brown,Colin	*0203	*0206/21/28/41/57+	*1525	*4803	*0403	*0801/08	PCR-SSO,SBT
4492 Charron,D.	*02		*15	*48			PCR-SSO
798 Claas,F.H.J.	*020301	*020601	*1525	*480301	*0403	*080101	SBT,SSP
3632 Colombe,Beth	*0203	*0206	*1525	*4803	*0403	*0801	SSP
3904 Cooper,Shann	*0203	*020101-0102/0104+	*1525	*48	*04	*08	PCR-SSP
5130 Costeas,Paul	*0203	*0206	*1525	*4803	*0403	*0801	SSO,SSP
779 Daniel,Claud	*020301/0302	*020601-0603	*15(B62)	*48	*04	*08	PCR-SSP
3625 Darke,Christ	*0203	*0206	*1525	*4803	*0403	*0801	PCR-SSP,SBT
8052 Del Pozo,Ana	*02	*02	*1520/25/85	*4803			PCR-SSOP
4269 Dormoy,Anne	*020301	*020601	*1525	*480301	*0403	*080101	PCR-SSP,SBT
3186 Dunckley,Hea	*02		*1525	*48031	*0403/16	*08	SSP,SBT-B
3766 Dunn,Paul	*0203	*0206+	*1525	*4803	*0403	*0801/08	SSO,SSP
856 Dupont,Bo	*0203/*9217	*0206/10/21/28/41+	*1525	*4803	*0403/06	*0801-04/06/08+	PCR-SSO
5214 Eckels/CPMC	*0203	*02	*1525	*4803	*0403	*08	SSOP
2332 Elkhalifa,Mo	*02		*15	*48	*04	*08	SSO
4251 Ellis,Thomas	*0203	*0206	*1525	*4803	*0403	*0801	PCR-SSO,SEQ
762 Fischer&Mayr	*0203	*0206	*1525	*4803	*0403	*0801	RSSO,SSP,SBT
729 Fotino,Maril	*02		*15	*48	*04	*08	SSO,SSP
810 Hamdi,Nuha	*020301	*0210	*1525	*4803	*0403	*080101	SSO
3808 Hogan,Patric	*02		*1525	*48	*04	*08	SSP
771 Israel,Shosh	*02	*02	*15	*48	*04	*08	
859 Kamoun,Malek	*0203	*0206	*1525	*4803	*0403	*0801	PCR-SSO,SSP
4337 Kim,Tai-Gyu	*0203	*0206	*1525	*4803	*0403	*0801	SBT
168 Klein,Tirza	*0203	*0206	*1525	*4803	*0403	*0801	PCR-SSOP,SSP
278 Lee,Jar-How	*0203	*0206	*1525	*4803	*0403	*0801	SSP,RVSSOP
759 Lefor,W.M.	*0203	*0206/10/21/28/41+	*1525	*4803	*0403	*0801/08	RVSSO
731 Loewenthal,R	*020301	*020601	*1525	*480301	*0403	*080101	SBT,SSO
8029 Mani,Rama	*0201	*0201	*1520	*4803			PCR-SSP
792 Moore,S.Brea	*0203	*0206	*1525	*4803	*0403	*0801	PCR-SSO,SSP
774 Paik,Young	*02		*1525	*4803	*0403/16	*08	SSP,SSOP
4336 Park,Myoung	*0203	*02	*1525	*4803	*0403/06	*08	RVSSO
16 Pidwell,Dian	*020301	*020601	*1525	*480301	*0403	*080101	PCR-RSSOP,SBT
4689 Rajczy,Katal	*0203	*0206	*1525	*480301	*0403/06	*0801/03/06/08+	PCR-RVSSO,SSP
5200 Reinke,Dennis	*02		*1525	*4803	*04	*08	SSP
1160 Rosen-Bronso	*0203	*02	*1525	*4803	*0403	*0801/08	
793 Rubocki,Ron	*02		*15(B62)	*48	*04	*08	SSP
4948 Sage,Deborah	*0203	*0206	*1525	*4803	*0403	*0801	SSO,SBT
8001 Sheikh,Maqso	*02		*1525	*48	*04	*08	RVSSO,SSP
769 Tavoularis,S	*0203	*0206	*1525	*4803	*0403	*0801	SSO,SSP,SBT
5451 Tilanus,Marc	*020301	*020601	*1525	*480301	*0403	*080101	SBT
5462 Turner,E.V.	*0203	*0206	*1525	*4803	*0403	*0801	SSP,SEQ
5642 Varnavidou-N	*02		*15	*48	*04	*08	PCR-SSP,SSO
705 Watkins,Davi	*0203/25/38	*02	*1501g	*48	*04	*08	PCR-SSP
5670 Wetmore,Mari	*0203	*02	*15	*48	*04	*08	SSP

CTR	INVESTIGATOR NAME	CELL NO.1334 (Chinese) A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*020101	*240301	*1525	*400201	*0403/06	*1502/08	SSO,SSP,SBT
5106	Brown,Colin	*02	*2403/23/33/75	*1525	*4002/29/35/50+	*0403/06	*1502/08/13/18	PCR-SSO,SBT
4492	Charron,D.	*02	*24	*1525	*40			PCR-SSO
798	Claas,F.H.J.	*020101	*240301	*1525	*400201	*0403	*150201	SBT,SSP
3632	Colombe,Beth	*0201	*2403	*1525	*4002	*0403	*1502/03	SSP
3904	Cooper,Shann	*02	*24	*1525	*4002	*04	*15	PCR-SSP
5130	Costeas,Paul	*0201	*2403	*1525	*4002	*0403	*1502	SSO,SSP
779	Daniel,Claud	*02	*24	*15(B62)	*40(B61)	*04	*15	PCR-SSP
3625	Darke,Christ	*0201	*2403	*1525	*4002	*0403	*1502/13	PCR-SSP,SBT
8052	Del Pozo,Ana	*02	*24	*1520/25/85	*40			PCR-SSOP
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*02	*24	*1506/25/39/40+	*4002/04/06/11+	*0403/06/16	*15	SSP
3766	Dunn,Paul	*02	*2403/23/33/75	*1525	*4002/29/35/37+	*0403/06	*15	SSO,SSP
856	Dupont,Bo	*0201+	*2403/23/33/75	*1525	*4002/27/29/35+	*0403/06	*1502/11/13-15+	PCR-SSO
5214	Eckels/CPMC	*02	*24	*1525	*40(B61)	*04	*15	SSOP
2332	Elkhalifa,Mo	*02	*24	*15	*40	*04	*15	SSO
4251	Ellis,Thomas	*0201	*2403	*1525	*4002	*0403	*1502/13	PCR-SSO,SEQ
762	Fischer&Mayr	*0201/09	*2403/33	*1525	*4002/56	*0403/06	*1502/08/13	RSSO,SSP,SBT
729	Fotino,Maril	*02	*24	*15	*40	*04	*15	SSO,SSP
810	Hamdi,Nuha	*02010102L	*240301	*1525	*400201	*0403	*150201	SSO
3808	Hogan,Patric	*02	*24	*1525	*40	*04	*15	SSP
771	Israel,Shosh	*02	*24	*15	*40	*04	*15	
859	Kamoun,Malek	*0201	*2403	*1525	*4002	*0403	*1502/18	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0201	*2403	*1525	*4002	*0403	*1502	SBT
168	Klein,Tirza	*02	*24	*15	*40	*04	*15	PCR-SSOP,SSP
278	Lee,Jar-How	*0201/24/66/88N+	*2403	*1525	*4002/56/57	*0403	*1502/13	SSP,RVSSOP
759	Lefor,W.M.	*0201/07/09/18+	*2403/23/33/75	*1525	*4002/29/35/37+	*0403/06	*1502/08/13/14+	RVSSO
731	Loewenthal,R	*020101	*240301	*1525	*400201	*04	*15	SBT,SSO
8029	Mani,Rama	*02	*24	*15	*40			PCR-SSP
792	Moore,S.Brea	*0201	*2403	*1525	*4002	*0403	*1502/07	PCR-SSO,SSP
774	Paik,Young	*02	*2403	*1525	*4002/56/57/78	*0403/16	*15	SSP,SSOP
4336	Park,Myoung	*02	*2403/23/33	*1525	*40	*0403/06	*15	RVSSO
16	Pidwell,Dian	*020101	*240301	*1525	*400201	*0403//*0406	*150201//*1508	PCR-RSSOP,SBT
4689	Rajczy,Katal	*0201/07/09/12+	*2403	*1525	*4002/29/37/56+	*0403/06	*1502/04-06/08+	PCR-RVSSO,SSP
5200	Reinke,Dennis	*02	*24	*1525	*40(B61)	*04	*15	SSP
1160	Rosen-Bronso	*02	*24	*1525	*4002	*0403/06	*15	
793	Rubocki,Ron	*02	*24	*15(B62)	*40(B61)	*04	*15	SSP
4948	Sage,Deborah	*0201	*2403	*1525	*4002/56	*0403/06	*1502/08/13	SSO,SBT
8001	Sheikh,Maqso	*02	*24	*1525	*4002	*04	*15	RVSSO,SSP
769	Tavoularis,S	*0201/01L	*2403	*1525	*4002	*0403	*1502/13	SSO,SSP,SBT
5451	Tilanus,Marc	*020101	*240301	*1525	*400201	*0403	*150201	SBT
5462	Turner,E.V.	*0201	*2403	*1525	*4002	*0403/06	*1502/03/08	SSP,SEQ
5642	Varnavidou-N	*02	*24	*15	*40	*04	*15	PCR-SSP,SSO
705	Watkins,Davi	*02	*24	*1505/06/20/25+	*4002g	*04	*15	PCR-SSP
5670	Wetmore,Mari	*02	*24	*15(B62)	*40(B61)	*04	*15	SSP

CTR	INVESTIGATOR NAME	CELL NO.1335 (Black) A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*030101	*330301	*3910	*5704	*120301	*1802	SSO,SSP,SBT
5106	Brown,Colin	*03	*3301/03-06	*3910	*5704	*1203/06/13	*1801/02	PCR-SSO,SBT
4492	Charron,D.	*0301/27/28/33+	*3303/11/12	*3910	*5704	*1203	*1802	PCR-SSP
798	Claas,F.H.J.	*030101	*330301	*3910	*5704	*120301	*1802	SBT,SSP
3632	Colombe,Beth	*0301	*3303	*3910	*5704	*1203	*1802	SSP
3904	Cooper,Shann	*03	*33	*3910	*5704	*12	*18	PCR-SSP
5130	Costeas,Paul	*0301	*3303	*3910	*5704	*1203	*1802	SSO,SSP
779	Daniel,Claud	*03	*33	*39	*57	*12	*18	PCR-SSP
3625	Darke,Christ	*0301	*3303	*3910	*5704	*1203	*1801/02	PCR-SSP,SBT
8052	Del Pozo,Ana	*03	*33	*39	*57			PCR-SSOP
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*03	*33	*3910	*5704	*12	*18	SSP,SBT-B
3766	Dunn,Paul	*03	*33	*3910	*5704	*12	*18	SSO,SSP
856	Dupont,Bo	*0301/03N/04/06+	*3303/06/11/12	*3910/16/20	*5704	*1203/06/07/12/13	*1801/02	PCR-SSO
5214	Eckels/CPMC	*03	*33	*39	*5704	*12	*18	SSOP
2332	Elkhalifa,Mo	*03	*33	*39	*57	*12	*18	SSO
4251	Ellis,Thomas	*0301	*3303	*3910	*5704	*1203	*1801/02	PCR-SSO,SEQ
762	Fischer&Mayr	*0301	*3303	*3910	*5704	*1203	*1801/02	RSSO,SSP,SBT
729	Fotino,Maril	*03	*33	*39	*57	*04	*15	SSO,SSP
810	Hamdi,Nuha	*03010101	*3301	*3910	*5704	*06020101	*1801	SSO
3808	Hogan,Patric	*03	*33	*3910/16/20	*57	*12	*18	SSP
771	Israel,Shosh	*03	*33	*39	*57	*12	*18	
859	Kamoun,Malek	*0301	*3303	*3910	*5704	*1203	*1801/02	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0301/03N	*3303	*3910	*5704	*1203	*1801/02	SBT
168	Klein,Tirza	*03	*33	*39	*57	*12	*18	PCR-SSOP,SSP
278	Lee,Jar-How	*0301	*3303	*3910	*5704	*1203	*1802	SSP,RVSSOP
759	Lefor,W.M.	*0301/04/13/14+	*3301/03-06/12	*3910/20	*5704	*1203/06/13	*1801/02	RVSSO
731	Loewenthal,R	*030101	*330301	*3910	*5704	*1203	*1801/02	SBT,SSO
8029	Mani,Rama	*03	*33	*39	*57			PCR-SSP
792	Moore,S.Brea	*0301	*3303	*3910	*5704	*1203	*1802	PCR-SSO,SSP
774	Paik,Young	*03	*33	*3910	*5704	*12	*18	SSP,SSOP
4336	Park,Myoung	*03	*3303/06	*3910/16/20	*5704	*1203/06/07/12/13	*1801/02	RVSSO
16	Pidwell,Dian	*030101	*330301	*3910	*5704	*120301	*1802	PCR-RSSOP,SBT
4689	Rajczy,Katal	*0301/04-07+	*3301/03-06+	*3910	*5704	*1203/06/13/19	*1801/02	PCR-RVSSO,SSP
5200	Reinke,Dennis	*03	*33	*39	*5704	*12	*18	SSP
1160	Rosen-Bronso	*03	*33	*3910/20	*5704	*12	*18	
793	Rubocki,Ron	*03	*33	*39	*57	*12	*18	SSP
4948	Sage,Deborah	*0301	*3303	*3910	*5704	*1203	*1801/02	SSO,SBT
8001	Sheikh,Maqso	*03	*33	*39	*57	*12	*18	RVSSO,SSP
769	Tavoularis,S	*0301	*3303	*3910	*5704	*1203	*1802	SSO,SSP,SBT
5451	Tilanus,Marc	*030101	*330301	*3910	*5704	*120301	*1802	SBT
5462	Turner,E.V.	*0301	*3303	*3910	*5704	*1203	*1802	SSP,SEQ
5642	Varnavidou-N	*03	*33	*39	*57	*12	*18	PCR-SSP,SSO
705	Watkins,Davi	*03	*33	*39	*57	*1203/06/07/11-13	*1801/02	PCR-SSP
5670	Wetmore,Mari	*03	*33	*39	*57	*12	*18	SSP

CTR	INVESTIGATOR NAME	CELL NO.1336 (Caucasian) A1	A2	B1	B2	C1	C2	method
745	Anthony Nola	*020101	*0302	*080101	*3924	*0701		SSO,SSP,SBT
5106	Brown,Colin	*0201/12	*0302/07	*0801	*3924	*0701/06/16/18/21/24/30/35/36/44		PCR-SSO,SBT
4492	Charron,D.	*0201	*0302/31	*0801/33/34	*3924	*0701/27/50-52		PCR-SSP
798	Claas,F.H.J.	*020101	*0302	*080101	*3924	*0701		SBT,SSP
3632	Colombe,Beth	*0201	*0302	*0801	*3924	*0701		SSP
3904	Cooper,Shann	*02	*03	*08	*39	*0701		PCR-SSP
5130	Costeas,Paul	*0201/30/31	*0302	*0801	*3924	*0701		SSO,SSP
779	Daniel,Claud	*0201	*0302/10	*08	*39	*07		PCR-SSP
3625	Darke,Christ	*0201//*0212	*0302//*0307	*0801	*3924	*0701		PCR-SSP,SBT
8052	Del Pozo,Ana	*02	*03	*08	*3903/14			PCR-SSOP
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*02	*03	*08	*39	*07		SSP
3766	Dunn,Paul	*02	*0302/07/31	*08	*3924	*07		SSO,SSP
856	Dupont,Bo	*0240	*0302	*0801	*3903/09/37/24+	*0701/05/06/16/18/20/24/27/30/36+		PCR-SSO
5214	Eckels/CPMC	*02	*03	*08	*39	*07	*07	SSOP
2332	Elkhalifa,Mo	*02	*03	*08	*39	*07		SSO
4251	Ellis,Thomas	*0201	*0302	*0801	*3924	*0701/06/18/52	*0701/06/18/52	PCR-SSO,SEQ
762	Fischer&Mayr	*0201/09	*0302	*0801	*3924	*0701/06/18		RSSO,SSP,SBT
729	Fotino,Maril	*02	*03	*08	*39	*07		SSO,SSP
810	Hamdi,Nuha	*02010102L	*0302	*080101	*3903	*070101	*07020101	SSO
3808	Hogan,Patric	*02	*03	*08	*39	*07		SSP
771	Israel,Shosh	*02	*03	*08	*39	*07		
859	Kamoun,Malek	*0201	*0302	*0801	*3924	*0701		PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0201	*0302	*0801	*3924	*0701		SBT
168	Klein,Tirza	*0201	*0302	*0801	*3924	*0701		PCR-SSOP,SSP
278	Lee,Jar-How	*0201/24/66/94N+	*0302	*0801/22/27/29+	*3924	*0701/20/21/30/35/36		SSP,RVSSOP
759	Lefor,W.M.	*0201/07/09/12+	*0302/07	*0801/15/18/22+	*3903/24/28	*0701/06/18/20/21+		RVSSO
731	Loewenthal,R	*020101	*0302	*080101	*3903/24	*0701/06/18/52		SBT,SSO
8029	Mani,Rama	*02	*03	*08	*39			PCR-SSP
792	Moore,S.Brea	*0201/07/30	*0302	*0801/29/30N	*3924	*0701		PCR-SSO,SSP
774	Paik,Young	*02	*0302/31/32	*08	*39	*07		SSP,SSOP
4336	Park,Myoung	*02	*0301/02/07/08	*08	*3903/09/24/28	*07		RVSSO
16	Pidwell,Dian	*020101	*0302	*080101	*3924	*070101/18		PCR-RSSOP,SBT
4689	Rajczy,Katal	*0201/93/95-97	*0302	*0801/10/11/15+	*3903/09/24/28	*0701/06/16/18/19+		PCR-RVSSO,SSP
5200	Reinke,Dennis	*02	*03	*08	*39	*07		SSP
1160	Rosen-Bronso	*02	*0302/07	*08	*3903/24/28	*07		
793	Rubocki,Ron	*02	*03	*08	*39	*07		SSP
4948	Sage,Deborah	*0201/12	*0302/07	*0801/19N	*3924	*0701/06/18		SSO,SBT
8001	Sheikh,Maqso	*02	*03	*08	*39	*07		RVSSO,SSP
769	Tavoularis,S	*0201/01L	*0302/31	*0801	*3924	*0701/52		SSO,SSP,SBT
5451	Tilanus,Marc	*020101	*0302	*080101	*3924	*070101		SBT
5462	Turner,E.V.	*0201	*0302	*0801	*3924	*0701		SSP,SEQ
5642	Varnavidou-N	*02	*03	*08	*39	*07		PCR-SSP,SSO
705	Watkins,Davi	*02	*03	*08	*39	*07		PCR-SSP
5670	Wetmore,Mari	*02	*03	*08	*39	*07		SSP

Cell 1333 (Asian)

45 labs

A*02	31%
A*0201	2%
A*0203	51%
A*020301	16%
A*02	100% TOTAL
A*02	49%
A*0201	2%
A*0206	34%
A*020601	13%
A*0210	2%
A*02	100% TOTAL

45 labs

B*15	22%
B*1520	2%
B*1525	76%
B*15	100% TOTAL
B*48	27%
B*4803	55%
B*48031	2%
B*480301	16%
B*48	100% TOTAL

42 labs

Cw*04	40%
Cw*0403	60%
Cw*04	100% TOTAL
Cw*08	43%
Cw*0801/08	9%
Cw*0801	31%
Cw*080101	17%
Cw*08	100% TOTAL

Cell 1334 (Chinese)

44 labs

A*02	64%
A*0201	23%
A*020101	11%
A*02010102L	2%
A*02	100% TOTAL
A*24	43%
A*2403/23/33/75	9%
A*2403/23/33	2%
A*2403/33	2%
A*2403	30%
A*240301	14%
A*24	100% TOTAL

44 labs

B*15	27%
B*1525	73%
B*15	100% TOTAL
B*40	59%
B*4002	27%
B*400201	14%
B*40	100% TOTAL

41 labs

Cw*04	44%
Cw*0403/06	27%
Cw*0403	29%
Cw*04	100% TOTAL
Cw*15	78%
Cw*1502/13	10%
Cw*1502	5%
Cw*150201	7%
Cw*15	100% TOTAL

Cell 1335 (Black)

44 labs

A*03	61%
A*0301	25%
A*030101	12%
A*03010101	2%
A*03	100% TOTAL
A*33	59%
A*3301	2%
A*3303	27%
A*330301	12%
A*33	100% TOTAL

44 labs

B*39	32%
B*3910/16/20	7%
B*3910/20	4%
B*3910	57%
B*39	100% TOTAL
B*57	30%
B*5704	70%
B*57	100% TOTAL

42 labs

Cw*12	52%
Cw*1203	33%
Cw*120301	10%
Cw*12	95% TOTAL
Cw*18	38%
Cw*1801/02	31%
Cw*1801	3%
Cw*1802	26%
Cw*18	98% TOTAL

Cell 1336 (Caucasian)

44 labs

A*02	64%
A*0201	21%
A*020101	11%
A*02010102L	2%
A*0240	2%
A*02	100% TOTAL
A*03	50%
A*0302/07	9%
A*0302	41%
A*03	100% TOTAL

44 labs

B*08	59%
B*0801	27%
B*080101	14%
B*08	100% TOTAL
B*39	41%
B*3903/09/24/28	5%
B*3903/24/28	5%
B*3903/24	2%
B*3903	2%
B*3924	45%
B*39	100% TOTAL

42 labs

Cw*07	69%
Cw*0701	26%
Cw*070101	5%
Cw*07	100% TOTAL

INTERNATIONAL CELL EXCHANGE

INVESTIGATOR NAME	DAYS OLD	CELL NO.1333 VIA B %	A 2	B 6 2	B 4 8	C 4 0 3	C 8	B W 6	(ASIA) OTHERS	CELL NO.1334 VIA B %	A 2	A 2	B 6 4	B 6 2	C 4 1 0 3	B W 6	(CHIN) OTHERS	CELL NO.1335 VIA B %	A 3	A 3	B 3	B 5	C W 6	B 4	B W 6	(BLCK) OTHERS	CELL NO.1336 VIA B %	A 2	A 3	B 8	B 3	C W 7	B W 6	(CAUC) OTHERS
Abbal,M. Pro	3	95	+	+	+		+		95	+03	+	+				+		95	+	+	+	+		+	+		96	+	+	+	+		+	
Alonso,Anton	7	90	+	+			+	B81,CW7	90	+	+	+	+			+		90	+	+		+		+	+	CW3,B38	90	+	+	+	+	+	+	
Alvarez,Carr	6	100	+	+	+		+		100	+	+	+	+	W4		+		100	+	+	+	+		+	+		100	+	+	+	+	+	+	
Anthony Nola	3	98	+	+	+				99	+	+	+	+					99	+	+	+	+					99	+	+	+	+			
Baker,Judy	3	99	+	+	+		+		99	+	+	+	+			+		99	+	+	+	+		+	+		99	+	+	+	+		+	
Berka,Noured	2	99	+	15	+W6		+		99	+0315	+W6					+		99	+	+	+		+	+	+	B58	99	+	+	+	+	+	+	
Bow,Laurine	3	99	+	+	+W6		+		99	+	+	+	+W6			+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
Burger,Joe	2	99	+	+	+	+	+	CW7	99	+03	+	+W6				+	CW5	99	+	+	+	+	+	+	+	CW4	99	+	+	+	+	+	+	
Chan MD,Soh	4	95	+	+	+	+	+		95	+	+	+	+	+		+		95		+	+	+	+	+	+		95	+		+		+	+	
Charron,D. P	6	98	+	+	+			B21,B81	98	+	+	+40						98	+	+	+	+					98	+	+	+16				B14
Choo,Yoon MD	2	99	+	15	+	+	+		99	+0315	+W6					+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
Ciccia/Willi	6	99	+	+	+	+	+		99	+	+	+	+			+		99	+	+	+	+		+	+	CW7,CW3	99	+	+	+	+	+	+	
Claas,F.H.J.	7	80	+	+	+W4		+		80	+	+	+	+			+		80	+	+	+	+		+	+		80	+	+	+	+	+	+	
Cooper,E. Sh	2	99	+	+	+		+		99	+	+	+	+			+		99	+	+	+	+		+	+		99	+	+	+	+		+	
Daniel,Dolly	6	100	+	+	+		+	A69	99	+03	+	+				+		98	+	+		+		+	+	B67	NT							
Darke,Christ	6	90	+	+	+	+	+		90	+03	+	+	+			+		90	+	+	+	+	+	+	+	CW6S	90	+	+	+	+	+	+	
Du Toit,Erne	9	90	+	+			+	B81	90	+	+	+40				+	B41	90	+	+	+	+		+	+		90	+	+	+	+		+	
Dunckley,Hea	7	99	+	+	+				99	+	+	+40						99	+	+	+	+					99	+	+	+	+			
Dunk,Arthur	3	98	+	+	+W4	+	+		98	+03	+	+W4				+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Dunn,Paul Ph	6	95	+	+	+		+		95	+	+	+				+	B60	95	+	+	+	+		+	+		95	+	+	+	+		+	
Eckels/CPMC,	3	90	+	+	+		+		90	+	+	+	+W4			+		90	+	+	+	+		+	+		90	+	+	+	+	+	+	
Eckels/Utah,	3	99	+	+	+		+		99	+	+	+	+W6			+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
Esteves Kond	2	96	+	+	+W4	+	+	B62V	96	+03	+	+W4					B62V,BW4	96	+	+	+	+		+	+		96	+	+	+	+	+	+	
Fischer,Joha	3	95	+	+	+		+		95	+	+	+	+			+		95	+	+	+	+		+	+		95	+	+	+	+		+	
Fotino,Maril	2	90	+	+	+W4	+	+		90	+03	+	+W4				+		90	+	+	+	+	+	+	+		90	+	+	+	+	+	+	
Foxcroft,Z.K	6	90	+	+	+		+	BW4	90	+A9	+40					+	BW4	90	+		+	+		+	+		90	+	+	+	+		+	
Goggins,R.	2	99	+	+	+W4	+	+		99	+	+	+	+W4			+	CX15	99	+	+	+	+		+	+	CX12,CX18	99	+	+	+	+	+	+	
Hahn,Amy B.	3	99	+	15	+		+	B70,B75	99	+03	+40W6					+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
Henrico Doct	6	98	+	+	+		+		99	+	+	+	+			+		98	+	+	+	+		+	+		99	+	+	+	+		+	
Hirankarn MD	7	84	+	+	+		+		88	+	+	+	+			+		88	+	+	+	+		+	+		NT							
Hogan,Patric	9	85	+	+	+		+		85	+	+	+	+			+		90	+	+	+	+		+	+		90	+	+	+	+	+	+	
Holdsworth,R	8	95	+	15	+		+	+	95	+	+	+				+	A24S,B60	95	+	+	+	+		+	+		95	+	+	+	+	+	+	
Hubbell,Char	2	95	+	+	+		+		95	+	+	+40				+		95	+	+	+	+		+	+		95	+	+	+	+		+	
Ichikawa MD,	8	???	+	+	+		+	+	???	+	+	+	+			+		???	+	+	+	+		+	+		???	+	+	+	+		+	
Israel,Shosh	5	92	+	+	+		+	+	95	+03	+40W4					+		95	+	+	+	+	+	+	+	CW6S	95	+	+	+	+	+	+	
Jaramillo,An	3	96	+	+	+		+	+	96	+03	+	+				+		96	+	+	+	+	+	+	+		96	+	+	+	+	+	+	
Keown,Paul M	2	98	+	+	+		+		98	+	+	+				+	B60	98	+	+	+	+		+	+		98	+	+	+	+		+	
Kim,Kyeong-H	8	95	+	+	+		+		95	+	+	+	+			+		95	+	+	+	+		+	+	B67	95	+	+	+		+	+	
Klein,Jon MD	2	95	+	+	+		+		95	+	+	+	+			+		95	+	+	+	+		+	+		95	+	+	+	+		+	
Klein,Tirza	6	95	+	+	+		+		95	+	+	+		W4		+	B60	95	+	+	+	+	+	+	+		96	+	+	+	+	+	+	
Kvam,Vonnett	3	97	+	+	+W4	+	+		97	+	+	+	+W4			+		97	+	+	+	+		+	+		97	+	+	+	+	+	+	
Lardy,N.M. D	7	90	+	+	+		+		90	+	+	+	+			+		90	+	+	+	+		+	+		90	+	+	+	+	+	+	
Lebeck,Laura	2	98	+	+	+	+	+		98	+03	+	+				+		98	+	+	+	+		+	+		98	+	+	+	+	+	+	
Lefor,W.M. P	2	98	+	+	+W6		+		98	+	+	+	+W6			+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Lim,Young Ae	8	90	+	+	+W4	+	+		90	+	+	+	+W4			+	CX15	90	+	+	+	+	+	+	+	CX12	90	+	+	+	+	+	+	
Lo,Raymundo	6	98	+	+	+		+		98	+	+	+	+			+		98	+	+	+	+		+	+		98	+	+	+			+	B14
Loewenthal M	8	95	+	+	+		+		95	+	+	+	+			+		95	+	+	+	+		+	+		95	+	+	+	+	+	+	
MacCann,Eile	2	98	+	+	+		+		98	+	+	+	+			+		98	+	+	+	+		+	+		98	+	+	+	+		+	
Mah,Helen	3	98	+	+	+W4	+	+		98	+03	+	+W4				+		98	+	+	+	+		+	+		98	+	+	+	+	+	+	
McAlack,Robe	2	97	+	+	+	+	+		97	+	+	+	+W6			+		97	+	+	+	+	+	+	+		97	+	+	+	+	+	+	

INTERNATIONAL CELL EXCHANGE

		****** CELL NO.1333 **********								CELL NO.1334 **********								CELL NO.1335 **********								CELL NO.1336 **********								******
		VI							(ASIA)	VI							(CHIN)	VI							(BLCK)	VI							(CAUC)
INVESTIGATOR		A	A	B	B	C	C	B		A	A	A	B	B	C	B		A	A	A	B	B	C	B	B		A	A	A	B	B	C	B	
	DAYS	B	2	6	4	4	W	W		B	2	2	6	6	4	W		B	3	3	3	5	W	W	W		B	2	3	8	3	W	W	
NAME	OLD	%		2	8	0	8	6	OTHERS	%		4	2	1	0	6	OTHERS	%		3	9	7	6	4	6	OTHERS	%			9	7	6	OTHERS
						3									3																		
McAlack-Bala	2	99	+	+	+W6		+			98	+03	+	+W6		+			98	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
McCluskey,Ja	8	95	+	+	+	+	+			90	+	+	+	+	+			96	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
Murad,Shahna	10	99	+		W4		+		CW7,B61	95	+	+			+		CW3,B60	95	+	+				+	+	B62,CW4	98	+	+	+	+	+	+	CW3
Norin,Allen	2	99	+		+		+		B75	99	+	+		+			B75	98	+	+	+	+		+	+		98	+	+	+	+		+	
Paik,Young K	2	95	+	+	+W4	+	+			95	+03	+	+W4		+			95	+	+	+	+		+	+		95	+	+	+	+	+	+	
Pais,Maria L	10	99	+	+					A68	99	+	+	+				B60	99	+	+		+				B50	99	+	+	+				B38
Park,Myoung	9	97	+	+	+		+	+		80	+	+	+	+	+			92	+	+	+	+		+	+		85	+	+	+	+	+	+	
Permpikul,Ve	6	85	+		+		+		A203,B75	85	+03		+		+		B75,2410	85	+	+	+	+		+	+		85	+	+	+	+		+	
Phelan,Donna	6	99	+	+	+		+			99	+03	+	+		+		BW4	99	+	+	+	+		+	+		99	+	+	+	+	+	+	
Pidwell,Dian	2	95	+	+	+		+	+		95	+	+	+	+W6		+	CX15	95	+	+	+	+		+	+		95	+	+	+	+	+	+	B39V
Pollack,Mari	3	98	+	+	+X6		+			98	+	+	+	+X6		+	A24S,X60	98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	
Rajczy,Katal	3	95	+	+	+		+			95	+	+	+	+W4		+		95	+	+	+17			+	+		95	+	+	+	+	+	+	
Rosen-Bronso	3	90	+	+	+					90	+03	+	+					90	+	+	+	+					90	+	+	+	+			
Rosenberg,J.	3	99	+	+	+W4	+	+		A203	99	+	+	+	+W4		+	CX15	99	+	+	+	+		+	+	CX18,CX12	99	+	+	+	+	+	+	
Rubocki,Rona	2	99	+	+	+W4		+			99	+03	+	+W4			+		99	+	+	+	+		+	+		99	+	+	+	+	+	+	
Sauer,Guttwa	7	100	+	+	+	+	+			95	+	+	+	+W4		+		95	+	+	+	+		+	+		95	+	+	+	+	+	+	
Semana MD,Gi	13	80	+	+	+		+			80	+	+	+	+		+		80	+	+	+	+		+	+		80	+	+	+	+		+	
Stamm,Luz	6	95	+	+	+W4	+				95	+03	+	+W4				CX15	95	+	+	+	+				CX12,CX18	95	+	+	+	+	+		
Tagliere,Jac	2	100	+	+	+		+	+		100	+03	+	+W4			+		100	+	+	+	+	+	+	+		100	+	+	+	+	+	+	
Tilanus,Marc	7	90	+	+	+			+		90	+	+	+	+		+		90	+	+	+	+		+	+		90	+	+	+	+		+	
Varnavidou-N	6	98	+	+	+			+		98	+	+	+	+		+		98	+	+	+	+		+	+		98	+	+	+	+		+	
Vidan-Jeras,	6	100	+	+	+			+	BW4	100	+03	+	+			+	BW4	100	+	+	+	+		+	+		100	+	+	+	+	+	+	
Walter Reed	2	97	+	+	+W6		+			97	+03	+	+W6		+			97	+	+	+		+	+	+	B58	97	+	+	+	+	+	+	
Ward,Osowski	2	95	+	+	+		+	+		95	+03	+	+W6		+			90	+	+	+		+	+	+	B58	95	+	+	+16		+	+	B16V
Watkins,Davi	6	92	+	+	+			+		92	+03	+	W6		+		CW3,B60	90	+	+	+	+		+	+		96	+	+	+	+	+	+	
Wetmore,Mari	7	99	+	+	+			+		99	+	+	+	+W6		+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	
Wisecarver,J	6	98	+	+	+			+		98	+03	+	+			+		98	+	+	+	+		+	+		98	+	+	+	+		+	

****
* SUMMARY TABLE *
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(ASIA)	(CHIN)	(BLCK)	(CAUC)
**** CELL 1333 ****	**** CELL 1334 ****	**** CELL 1335 ****	**** CELL 1336 ****
(77 SAMPLES TYPED)	(77 SAMPLES TYPED)	(77 SAMPLES TYPED)	(75 SAMPLES TYPED)
A2 100.0%	A2 100.0%	A3 98.7%	A2 100.0%
(100.0%)	(100.0%)		(100.0%)
		A33 98.7%	
B62 90.9%	A24 63.6%	(98.7%)	A3 98.7%
B15 5.2%	2403 35.1%		
(96.1%)	A9 1.3%	B39 94.8%	B8 100.0%
	(100.0%)	(94.8%)	
B48 94.8%			B39 92.0%
	B62 93.5%	B57 93.5%	B16 2.7%
C403 3.9%	B15 2.6%	B17 1.3%	(94.7%)
CW4 16.9%	(96.1%)	(94.8%)	
CW6 6.5%			CW7 66.7%
C4X6 1.3%	B61 81.8%	CW6 29.9%	
(28.6%)	B40 9.1%		BW6 92.0%
	(90.9%)	BW4 92.2%	
CW8 35.1%			
	C403 3.9%	BW6 92.2%	
BW6 92.2%	CW4 23.4%		
	CW6 18.2%		
	C4X6 1.3%		
	(46.8%)		
	BW6 90.9%		

(OTHERS FOUND)	(OTHERS FOUND)	(OTHERS FOUND)	(OTHERS FOUND)
B75 5.2%	B60 9.1%	B58 5.2%	B14 2.7%
CW7 3.9%	CX15 6.5%	CX12 5.2%	B38 1.3%
B81 3.9%	BW4 5.2%	CX18 3.9%	CW3 1.3%
A203 2.6%	B75 3.9%	B67 2.6%	B16V 1.3%
BW4 2.6%	CW3 2.6%	CW3 2.6%	B39V 1.3%
A68 1.3%	A24S 2.6%	CW6S 2.6%	
B62V 1.3%	B62V 1.3%	CW4 2.6%	
B61 1.3%	X60 1.3%	B50 1.3%	
A69 1.3%	2410 1.3%	B62 1.3%	
B21 1.3%	CW5 1.3%	CW7 1.3%	
B70 1.3%	B41 1.3%	B38 1.3%	

*** 77 LABORATORIES REPLIED ***

********** NEXT SHIPMENT: 08/06/2008 **********