

# REPORT OF THE 332nd CELL EXCHANGE

APRIL 9, 2008

B-Cell Line	403-404
DNA Extract	413-416
Cells	1325-1328

## B-cell line Exchange

We appreciate the collaborative efforts of **Fu-Meei Robbins, National Institutes of Health, Bethesda**, and **Franz Claas, Leiden University Medical Centre, Leiden, The Netherlands**, in providing cells with unusual associations to study in our exchanges.

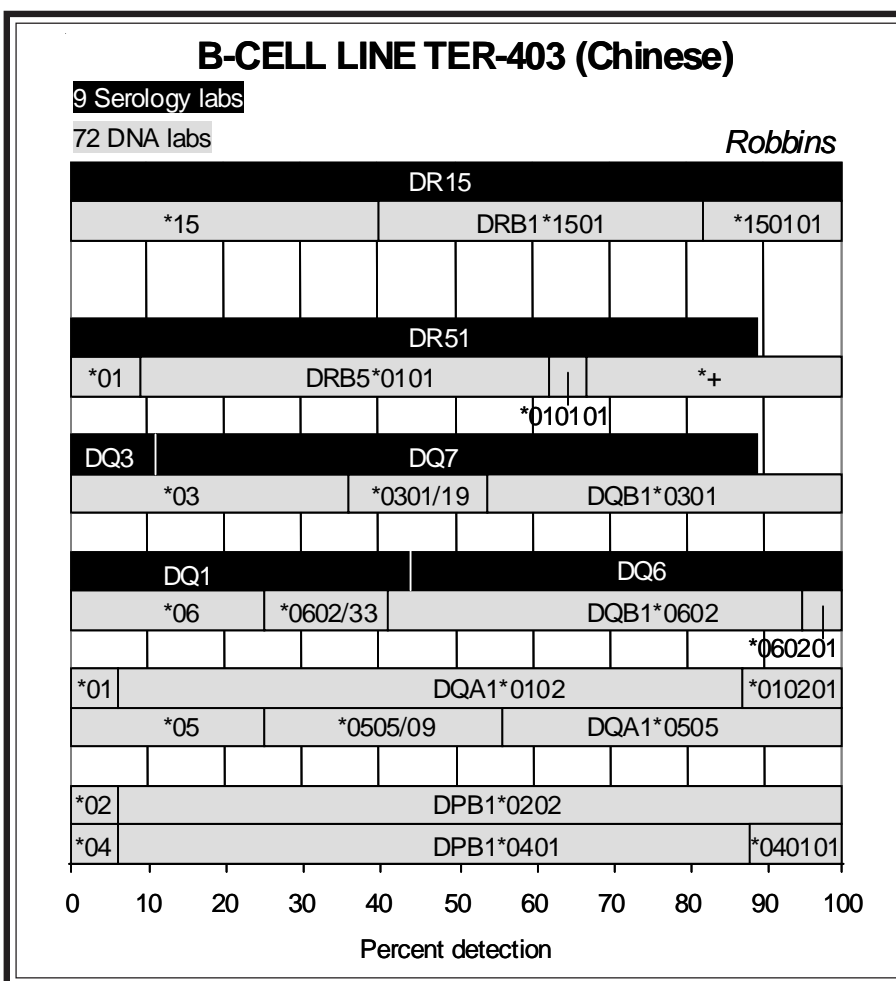
**TER-403.** This Chinese cell was previously typed as TER-367 in 2005, as correctly identified by Ball, Lefor, Mah, and Pidwell. Pidwell also noted the presence of the unusual DR15-DQ7, that is, DRB1\*1501-DQB1\*0301, association in this cell.

The likely haplotypes in this cell were the rare DRB1\*1501-DRB5\*0101-DQB1\*0301-DQA1\*0505 and DRB1\*1501-DRB5\*0101-DQB1\*0602-DQA1\*0102 which is commonly found in all populations.

This present retyping indicated that the detection rate for DQA1\*0505 increased from 44% in 2005 to the present 73%. DQA1\*0102 (87%) was assigned by the majority.

DPB1\*0202 (94%) and DPB1\*0401 (94%) were assigned in consensus. Among other alternative DPB1-types were DPB1\*0102 and DPB1\*3301 (Ellis, Merenmies, Pidwell), and DPB1\*0202 and DPB1\*6601 or DPB1\*9901 (Ball, Charron, Dormoy).

In the previous typing, Albert reported the class I typing of this cell as A\*0207, A\*2402, B\*0702, B\*1501, Cw\*0303, Cw\*0702.

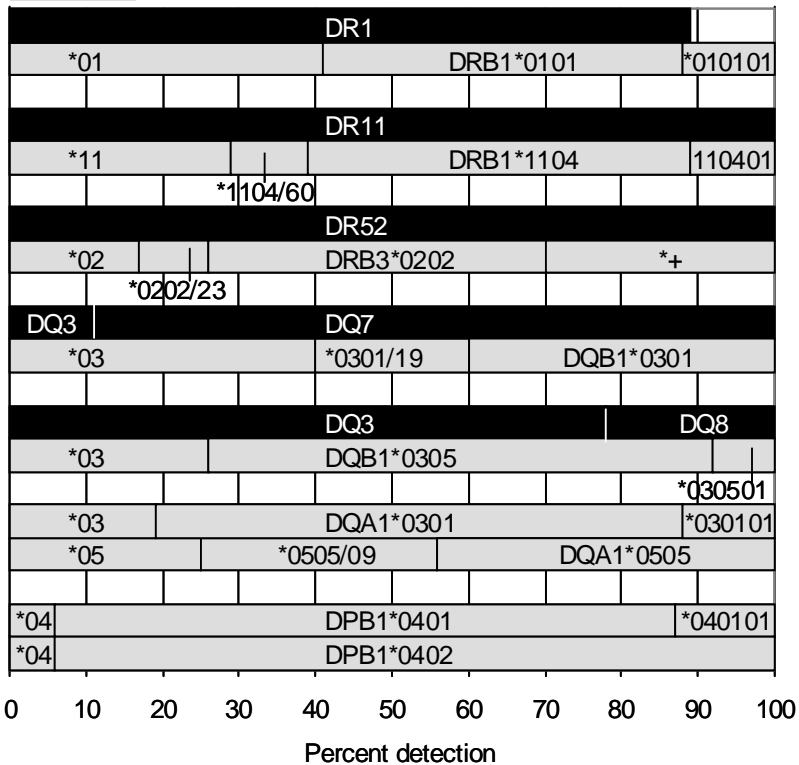


## B-CELL LINE TER-404 (Caucasian)

9 Serology labs

70 DNA labs

*Claas*



**TER- 404.** This cell from a Caucasian individual was previously typed as TER-300 (2002), as correctly identified by Ball, Hahn, Lefor, Mah, and Pidwell. An unusual association was also found in this cell, specifically, DR1-DQ3, that is, DRB1\*0101-DQB1\*0305, instead of the commonly found DR1-DQ5/DRB1\*0101-DQB1\*0501.

DQB1\*0305 was assigned by 74%, with 8% reporting DQB1\*030501. The 2004 HLA Dictionary defined the serologic equivalent for DQB1\*0305 as DQ8 (22%).

DR1 (89%) and DR11 (100%) were confirmed as DRB1\*0101 (59%) and DRB1\*1104 respectively.

DQA1\*0301 (71%) and DQA1\*0505 (44%) were reported.

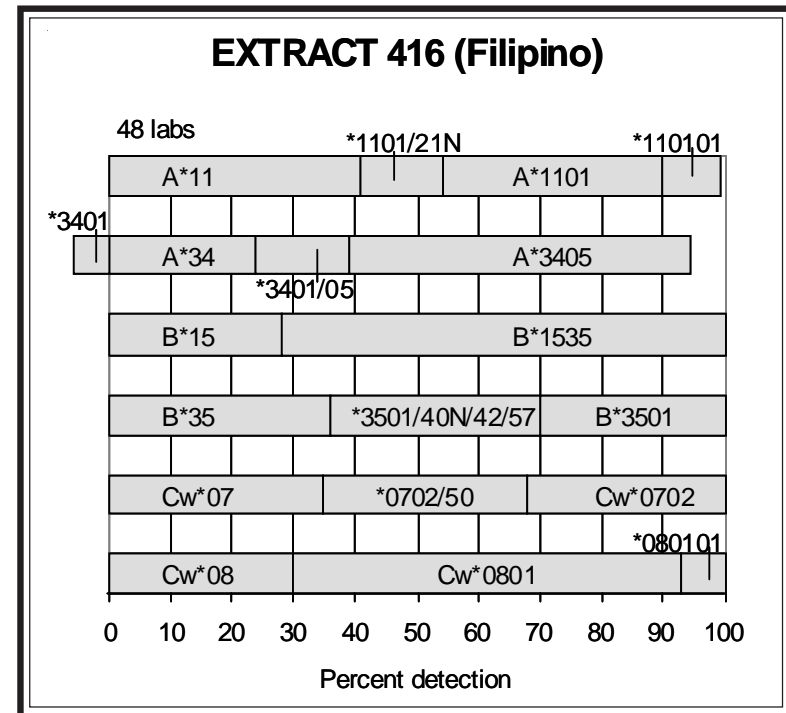
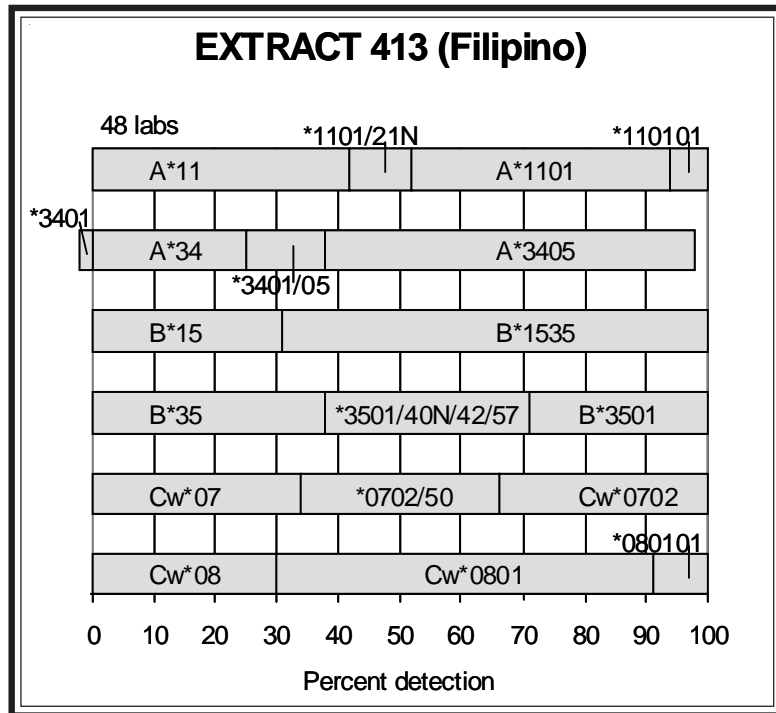
The probable associations in this cell were DRB1\*0101-DQB1\*0305-DQA1\*0301 and DRB1\*1104-DRB3\*0202-DQB1\*0301-DQA1\*0505.

DPB1\*0401 and DPB1\*0402 were assigned in nearly complete agreement. Ball, Ellis, Fischer and Merenmies said that DPB1\*0602, not DPB1\*0402, was possible. Ellis and Pidwell commented that DPB1\*2301 and DPB1\*5101 were other possible DPB1 types.

## Extract Exchange

The same cell from a Filipino donor was inadvertently included twice in this month's study and was typed as extracts 413 and 416. The two sets of results did create an interesting study in quality control and reproducibility.

We apologize for any concern or confusion caused by our inclusion of the same cell twice in this study.



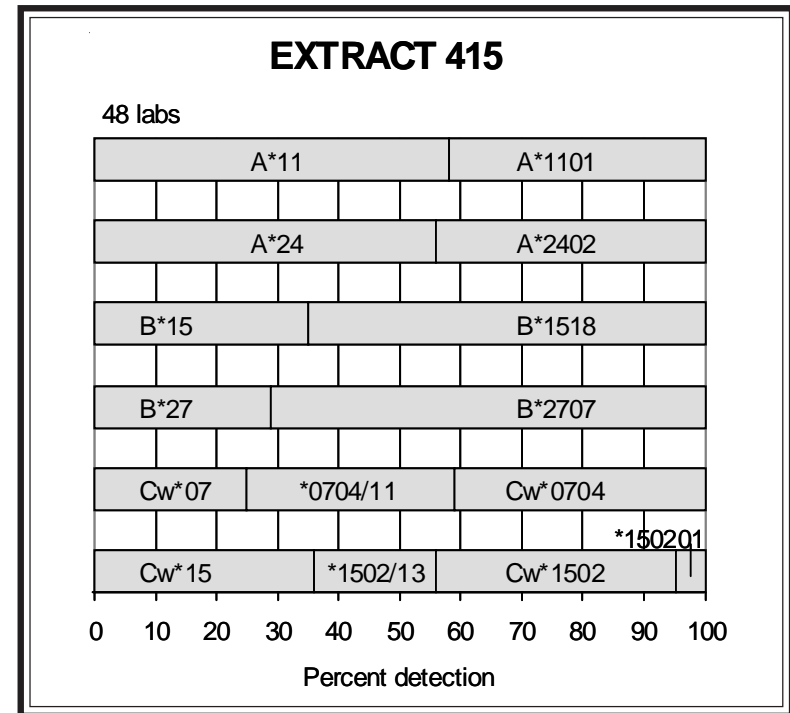
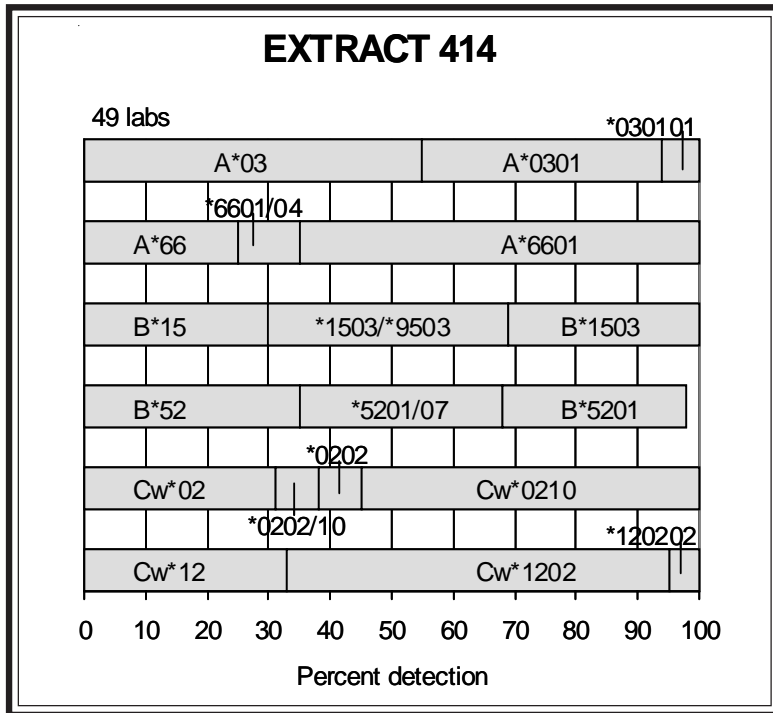
**Extracts 413 and 416.** The rare A\*3405 was typed for the first time in the Cell Exchange.

A\*3405 was detected by 60% in extract 413 and by 55% in extract 416. It was of interest to note that 1 lab misassigned A\*3401 in extract 413, whereas 3 labs misassigned A\*3401 in the second sample from the same donor.

The second A-locus allele was A\*1101, as typed by 48% in extract 413 and by 45% in extract 416.

The B-locus types were B\*1535, predominantly found in Filipino donors, and B\*3501.

The C-locus alleles were Cw\*0702 and Cw\*0801. The results for the 2 sets of data were remarkably nearly identical, with Cw\*0702 assigned by 34% in extract 413 and by 32% in extract 416, whereas Cw\*0801 was reported by 70% for both samples.



**Extract 414.** B\*1503 was assigned by 31%, with another 39% assigning B\*1503/\*9503.

The other B-locus type was B\*5201, as reported by 30%.

A\*6601 was detected by 65%.

Cw\*0210 was reported by 55%. We wish to remind everyone that the name of this allele was officially changed from the old name of Cw\*020204 in 2005. Therefore, those labs (7%) that assigned Cw\*0202 should update their databases.

The second C-locus allele was Cw\*1202 (67%).

B\*1503 is found in strong linkage disequilibrium with Cw\*0210. B\*5201-Cw\*1202 is also a commonly found association.

**Extract 415.** B\*2707 (71%) was well typed in this cell. B\*2707 was previously typed in 2 other exchange cells, extracts 296 (also extracts 96 and 167) from an Asian Indian donor and 347 (also extract 230) from a Caucasian individual.

B\*1518 was assigned by 65%.

Cw\*0704 (41%) and Cw\*1502 (44%) were the C-locus types.

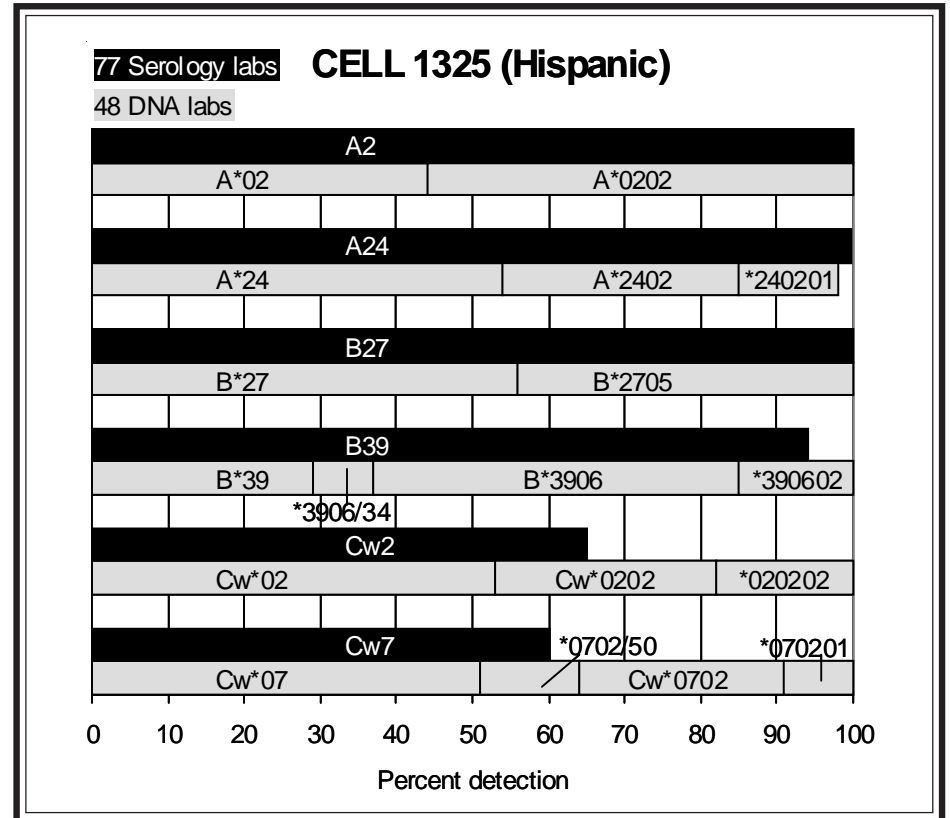
The probable B-C loci associations in this cell were B\*1518-Cw\*0704 and B\*2707-Cw\*1502. The same B\*2707-Cw\*1502 was present in the other 2 B\*2707 exchange cells.

## Cell Exchange

**Cell 1325.** This Hispanic donor was well typed as A2, A24, B27, B39, Cw2, Cw7.

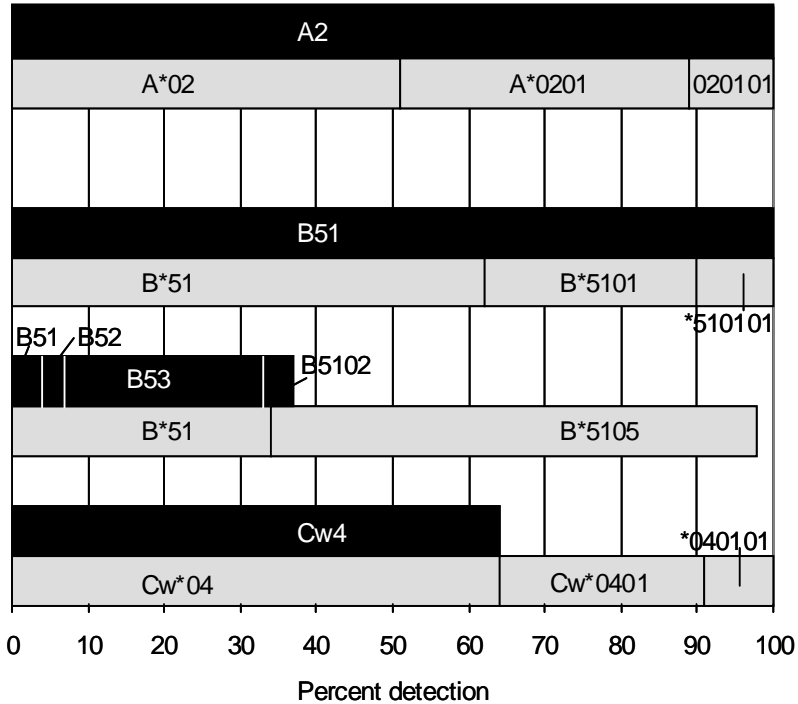
The high-resolution data indicated that the typing correlated to A\*0202, A\*2402, B\*2705, B\*3906, Cw\*020202, Cw\*0702.

According to Cao et al. (2), A\*2402-B\*3906-Cw\*0702 (HF=0.0128) was the third most frequent A-B-C haplotype found in the U.S. Hispanic population. Therefore, the probable haplotypes in this cell were A\*0202-B\*2705-Cw\*020202 and A\*2402-B\*3906-Cw\*0702, as was present in all previous B\*3906 exchange donors, cells 970, 972, 1114, 1149, and 1178. With the exception of cell 1114 (Caucasian), all of the B\*3906 exchange cells were from Hispanic individuals.



**77 Serology labs CELL 1326 (Caucasian)**

47 DNA labs



**Cell 1326.** This cell from a Caucasian individual was previously typed as cell 1314 last year, as correctly identified by a number of labs, including Moses and Dunckley, Dunk, Dunn, Israel, Kondo, Lefor, McAlack, and Tiercy.

Besides the standard B51, as easily detected by 100%, a second B-locus antigen related to B53 (26%), B5102 (4%), B51 (3%), and B52 (3%) was also present. This was confirmed by DNA typing, with the assignments of B\*5101 (38%) and the rare B\*5105 (66%).

Cw4 (64%) was validated as Cw\*0401 (36%).

The associations in this cell may be B\*5101-Cw\*0401 and B\*5105-Cw\*0401. B\*5105-Cw\*0401 was found in previous B\*5105 exchange cells, cell 1109 (Cauc) and extract 340.

The probable haplotypes were A\*0201-B\*5101-Cw\*0401 and A\*0201-B\*5105-Cw\*0401. The B\*5105-Cw\*0401 association was also present in the 2 other B\*5105 exchange cells. Interestingly, B\*5101 is more commonly found in association with either Cw\*1402 or Cw\*1502.

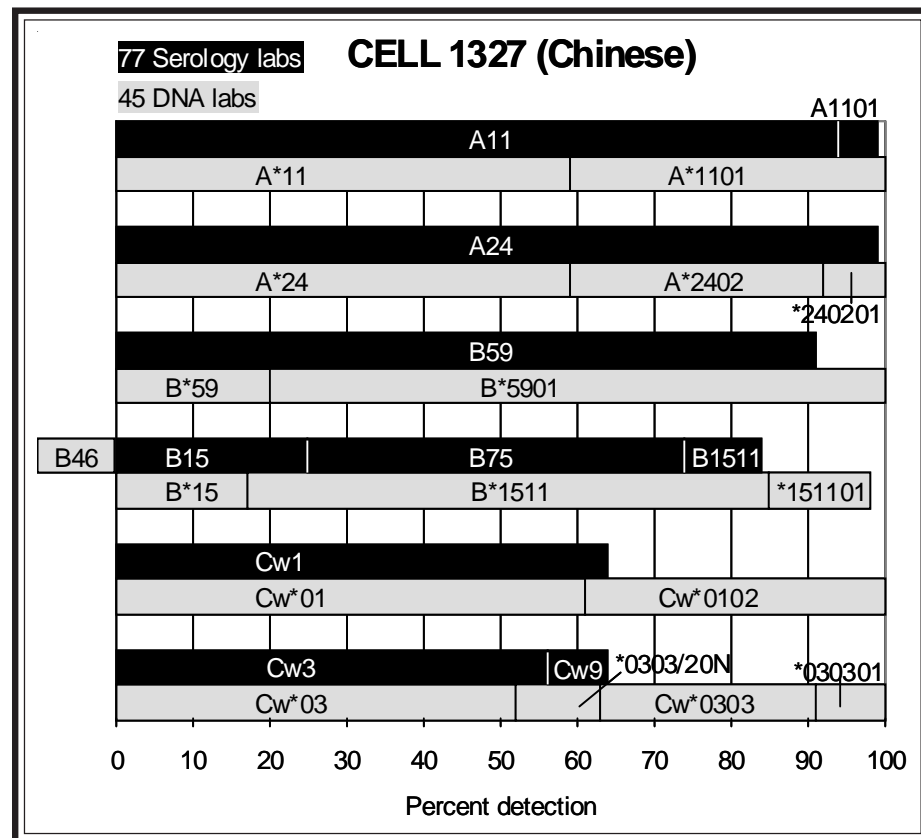
**Cell 1327.** Two B-locus antigens restricted to Asian populations were found in this Chinese donor.

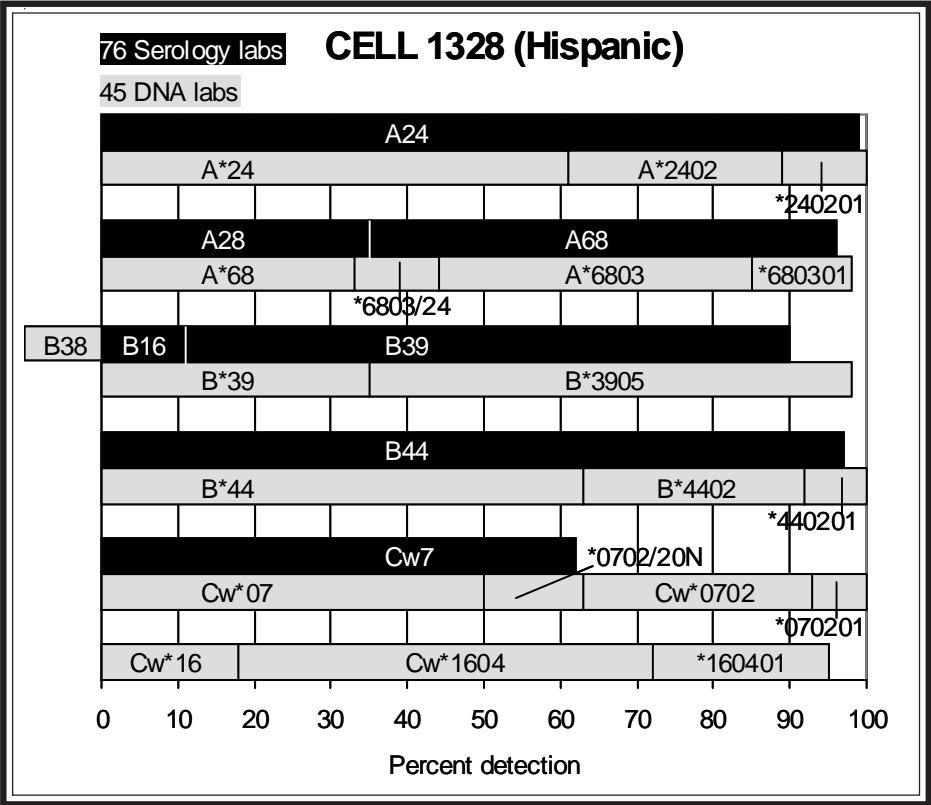
B59 was well typed, as detected by 91%, and B\*5901 was reported by 80%. Interestingly, all previous B59 exchange cells were from Japanese individuals.

The second B-locus type was B75 (49%), but reacted somewhat shorter than a normal B75, as commented by Israel, McCluskey, Paik, and Ward. B1511 was assigned by 10% and B15 by 25%. It should also be noted that B46 was misassigned by 10%. DNA results confirmed that the B75 was encoded by B\*1511 (81%), as assigned by the majority.

Cw1 and Cw3 were detected by 64%, corroborated as Cw\*0102 (39%) and Cw\*0303 (37%), respectively.

Two associations of alleles found in strong linkage disequilibrium, B\*5901-Cw\*0102 and B\*1511-Cw\*0303, were present in this cell.





**Cell 1328.** B39 was assigned by 79% and B16 by 11% for this Hispanic cell; however, it was apparent that a variant was present. Comments of shorter reactivity with anti-B39 sera and extra reactivity with anti-B38 allosera and monoclonals were received from a number of labs. B38 was misassigned by 11%. DNA results defined the variant as B\*3905 (63%).

B44 was well typed, by 97%, and confirmed as B\*4402 (37%).

Cw7 (62%) was validated as Cw\*0702 (37%). The other C-locus type was Cw\*1604 (77%).

The probable B-C loci associations in this cell were B\*3905-Cw\*0702, present in all previous B\*3905 exchange donors, and B\*4402-Cw\*1604. Of note, B\*4402 is more commonly found in association with either Cw\*0501 or Cw\*0704.

**References**

- Schreuder GMTh, Hurley CK, Marsh SGE, et al. The HLA Dictionary 2004: 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 2005;65:1.
- 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.

**NEXT MAILING DATE: May 7, 2008**

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Elkhalifa MD PhD,Moh	Riyadh		Merenmies MD PhD,Jus	Helsinki		Wetmore,Marilyn	Allentown	PA
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Fischer,Dr Johannes	Dusseldorf		Mytilineos MD,Joanni	Ulm				

B-CELL LINE TER-403

CTR DIRNAME	DRB1	DRB1X	DRB5	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal,M.	*1501/24	*1501/24	*0101	*0301	*0602/33					P-SSP,SSO
5488 Adams, Sharon	*150101		*0101	*0301	*0602	*0102	*0505	*0202	*0401	RSSO,SSP,SBT
4691 Ali,M.Ashraf	*15		*+	*03	*06					ELISA
2300 Allegheny Ge	*15		*+	*03	*06					SSP
5133 Baker,Judy	*150101		*010101	*0301	*0602					P-SSP,SBT
105 Ball,Edward	*1501		*0101	*0301/19	*0602/33	*0102	*0505	*0202	*0401/*6601+	P-SSP
785 Chan,Soh Ha	*150101			*0301/13	*0602	*0102	*0501/03-09			SBT
5232 Charlton,Ron	*1501	*1501	*01/*02	*0301	*0602					SSP,RVSSO
4492 Charron,D.	*1501		*0101	*0301	*0602	*0102	*0505	*0202	*0401/*6601+	P-SSO,SSP
3224 Chen,Dongfen	*1501		*0101	*0301/19	*0602/33					SBT,SSP,SSO
3632 Colombe,Beth	*1501		*0101	*0301	*0602					SSP
3904 Cooper,Shann	*150101		*010101	*030101/0102+	*0602/33					P-SSP
5130 Costeas,Paul	*1501		*0101	*0301	*0602	*0102	*0505/09			SSP
779 Daniel,Claud	*15		*010101+	*03(DQ7)	*06					P-SSP
3625 Darke,Chris	*1501		*01	*0301	*0602	*0102	*05	*0202	*0401	P-SSP
4269 Dormoy,Anne	*150101		*0101	*0301/19	*0602			*0202	*0401/*9901	P-SSP,SBT
5891 Du,Keming	*1501/02/04/05		*+							P-SSO
856 Dupont,Bo	*1501		*01,*02	*0301/09/13	*0602/11/16					SSP,SSO
3511 Duquesnoy,Re	*1501		*0101	*0301	*0602					RVSSOP,SSP
5214 Eckels/CPMC	*15	*15	*01	*03	*06					SSOP
3428 Eckels/Utah	*15	*15								SSOP
2332 Elkhalfifa,Mo	*1501		*01/*02	*0301	*0602					SSP
4251 Ellis,Thomas	*1501	*1501	*0101	*0301	*0602			*0102/*0202	*0401/*3301	P-SSO,SEQ
3135 Fischer,John	*1501		*0101	*0301/09/19	*0602			*0202	*0401	SBT,P-SSP
762 Fischer/Mayr	*1501		*0101	*0301/09	*0602					SSO,LBT,SBT
8043 Gideoni,Osna	*1501			*0301	*0602					SSO,SSP
910 Hahn,Amy B.	*1501/17N/18/20/22		*0101	*0301/19	*0602/33					SSP
2344 Hurley/Hartz	*150101			*030101/0104+	*060201					SBT
771 Israel,Shosh	*1501/24			*0301/09	*0602					RVSSO,SSP
748 Jaramillo,An	*15		*+	*03(DQ7)	*06					P-SSP
859 Kamoun,Malek	*1501		*0101/05	*0301	*0602					P-SSO,SSP
797 Kato,Shunich	*1501			*0301/09	*0602/19					SSO,+SBT-DR
4864 Kim,Kyeong-H	*15									P-SSOP
4337 Kim,Tai-Gyu	*1501			*0301	*0602			*0202	*0401	SBT
168 Klein,Tirza	*1501			*0301	*0602					P-SSO,SSP
87 Land,Geoffre	*1501	*1501	*0101	*0301	*0602	*0102	*0505	*0202	*0401	SSP,SBT
278 Lee,Jar-How	*1501		*0101	*0301	*0602	*0102	*0505/09	*0202	*0401	SSP,RVSSOP
640 Lee,Kyung Wh	*1501			*0301/09/19	*0602	*010201	*0505			P-SBT
759 Lefor,W.M.	*1501/04-06/09/13+			*0301/19	*0602	*0102	*0505/09			RVSSO
6649 Lim,Young Ae	*15		*+							P-SSP
274 Lo,Raymundo	*15		*+	*0301	*06					SSP
731 Loewenthal,R	*150101			*0301	*0602					SBT,SSO
23 Mah,Helen	*1501		*0101	*0301	*0602					P-RFLP,SSP
8029 Mani,Rama	*15	*15	*+	*03	*06					SSP
9916 McIntyre,Joh	*150101		*0101	*0301	*0602/33					SSP,SBT
794 Merenmies,Ju	*1501		*0101	*0301	*0602	*0102	*0505	*0102/*0202	*0401/*3301	SBT,SSO,SSP
8021 Montague,Bri	*1501		*0101-11+	*0301	*0602			*0202	*0401	P-SSP,SSO
792 Moore,S.Brea	*1501/22		*0101	*0301/19	*0602/33	*0102	*0505/08/09			P-SSP,SSO
5323 Murad,Shahna	*1501/16-18/20/22			*03	*06					P-SSP
774 Paik,Young K	*1501/18/20/22		*0101	*0301/19	*0602/33					SSP,SSOP
3648 Pereira,Noem	*150101			*0301/19	*0602/33					SBT,SSP
3966 Permpikul&Ve	*1501/16-18		*0101	*0301	*0602					P-SSP
2400 Phelan,Donna	*1501		*0101	*0301	*0602					
16 Pidwell,Dian	*150101		*0101	*0301/19	*0602	*0102	*0505/09	*0202//	*0102	*040101//
4689 Rajczy,Katal	*1501/24		*0101	*0301/19/21	*0602/33					RSSO,SBT,SSP
3753 Reed,Elaine	*1501		*0101	*0301	*0602	*0102	*0505/09			SBT,SSP,SSO
1160 Rosen-Bronso	*15		*01	*03	*06					SSO

B-CELL LINE TER-403

CTR DIRNAME	DRB1	DRB1X	DRB5	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
793 Rubocki,Rona	*15		++	*03(DQ7)	*06					SSP
5096 Seoul Red Cr	*15	*15								
8042 Shainberg,Br	*1501	*1501		*0301	*0602					SSOP, SSP
8001 Sheikh, Maqso	*1501/17N/18/20/22		*0101	*0301/19	*0602					SSP, RVSSOP
735 Smith/MI	*15		++	*03		*01	*05	*02	*04	SSOP, SSP
746 Stamm,Luz	*1501/18	*1501/18	*01	*0301	*0602					RVSSOP, SSP
13 Tagliere, Jac	*1501		*0101	*0301/19	*0602/33					SSP
747 Tiercy, Jean-	*150101		*0101	*0301/21	*060201			*0202	*0401	SSO, SSP, SBT
5451 Tilanus, Marc	*150101		*010101	*030101	*060201	*010201	*0505	*0202	*040101	SSO, SSP, SBT
4021 Trachtenberg	*15		*01/*02	*03	*06					RVSSOP, SSP
5462 Turner, E.V.	*1501		*0101	*0301	*0602			*0202	*0401	SSO, SSP, SEQ
5642 Varnavidou-N	*1501		++	*0301	*0602					P-SSP
705 Watkins, Dav	*150101		++	*0301g	*0602g					P-SSP, SEQ
5670 Wetmore, Mari	*15		++	*03	*06					SSP
2847 Yamamori, Shun	*15			*03	*06					SSO, SSP

CTR DIRNAME	DR15	DR51	DQ7	DQ6	OTH1	OTH2
3904 Cooper, Shann	+	+	+	DQ1		
910 Hahn, Amy B.	+	+	+	DQ1	DR13	DR52
4908 Kvam, Vonnet	+	+	+	DQ1		
725 Lardy, N.M.	+	+	DQ3	DQ1		
54 McAlack, Robe	+	+	+	+	DR13	DR52
8004 Pais, Maria L	+	+	+	+	DR13	DR52
2400 Phelan, Donna	+	+	+	+		
16 Pidwell, Dian	+	+	+	+		
793 Rubocki, Rona	+	+	+	+		

B-CELL LINE TER-403 (Chinese)

72 DNA LABS

72 LABS REPORTING DRB1

DRB1*15	40%
DRB1*1501	42%
DRB1*150101	18%
DRB1*15	100% TOTAL

55 LABS REPORTING DRB3

DRB5*+	33%
DRB5*0101	53%
DRB5*010101	5%
DRB5*01	9%

9 SEROLOGY LABS

DR15	100%
DR51	89%

67 LABS REPORTING DQB1

DQB1*03	36%
DQB1*0301/19	18%
DQB1*0301	45%
DQB1*030101	1%
DQB1*03	100% TOTAL

DQB1*06	25%
DQB1*0602/33	16%
DQB1*0602	54%
DQB1*060201	5%
DQB1*06	100% TOTAL

16 LABS REPORTING DQA1

DQA1*01	6%
DQA1*0102	81%
DQA1*010201	13%
DQA1*01	100% TOTAL

DQA1*05	25%
DQA1*0505/09	31%
DQA1*0505	44%
DQA1*05	100% TOTAL

15 LABS REPORTING DPB1

DPB1*02	6%
DPB1*0202	94%
DPB1*02	100% TOTAL

DPB1*04	6%
DPB1*0401	82%
DPB1*040101	12%
DPB1*04	100% TOTAL

DQ3	11%
DQ7	78%
DQ3	89% TOTAL

DQ1	44%
DQ6	56%
DQ1	100% TOTAL

B-CELL LINE TER-404

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
4079 Abbal, M.	*0101/17-19	*1104/60	*0202/23	*0301	*0305					P-SSP, SSO
5488 Adams, Sharon	*010101	*110401	*0202	*0301	*0305	*0301	*0505	*0401	*0402	RSSO, SSP, SBT
4691 Ali, M. Ashraf	*01	*11	++	*03						ELISA
2300 Allegheny Ge	NT									
5133 Baker, Judy	*010101	*110401	*0202	*0301	*0305					P-SSP, SBT
105 Ball, Edward	*0101/17-19	*1104/60	*0202/23	*0301/19	*030502/0504+	*030101	*0505	*0401	*0402	P-SSP
785 Chan, Soh Ha	*0101/18	*1104/56	++	*0301/13	*0305	*0301-03	*0501/03+			SBT
5232 Charlton, Ron	*0101	*1104	*02	*0301	*0305					SSP, RVSSO
4492 Charron, D.	*0101	*1104/60	*0202	*0301/19	*0305	*0301	*0505	*0401	*0402	P-SSO, SSP
3224 Chen, Dongfen	*0101	*1104	*0202	*0301/19	*0305					SBT, SSP, SSO
3632 Colombe, Beth	*0101	*1104	*0202	*0301/19	*0305					SSP
3904 Cooper, Shann	*0101/14	*1104	*020201/03+	*030101+	*030501					P-SSP
5130 Costeas, Paul	*0101	*1104	*0202	*0301	*0305/20	*0301	*0505/09			SSP
779 Daniel, Claud	*01	*11	*01-*03	*03(DQ7)	*03(DQ8)					P-SSP
3625 Darke, Chris	*0101	*1104	*02	*0301	*0305	*03	*05	*0401	*0402	P-SSP
4269 Dormoy, Anne	NT									
5891 Du, Keming	*0101/05	*1101/04	++							P-SSO
856 Dupont, Bo	*0101	*1104	++	*0301	*0305					SSP, SSO
3511 Duquesnoy, Re	*0101	*1104	*0202	*0301	*0305					RVSSOP, SSP
5214 Eckels/CPMC	*01	*11	*02	*03	*0305					SSOP
3428 Eckels/Utah	*01	*1104/43/44								SSOP
2332 Elkhalfifa, Mo	*0101	*1104	*01-*03	*0301	*0305					SSP
4251 Ellis, Thomas	*0101/07	*1104	*0202/12	*0301	*0305			*0401/*2301	*0402/*0602+	P-SSO, SEQ
3135 Fischer, John	*0101	*1104	*0202	*0301/09/19	*0305			*0401	*0402/*0602	SBT, P-SSP
762 Fischer/Mayr	*0101	*1104	*0202	*0301/09	*0305					SSO, LBT, SBT
8043 Gideon, Osna	*0101	*1104		*0301	*0305					SSO, SSP
910 Hahn, Amy B.	*0101/14	*1104/60	*0202	*0301/19	*0305					SSP
2344 Hurley/Hartz	*010101	*110401		*030101+	*030501					SBT
771 Israel, Shosh	*0101/17-19	*1104/60		*0301/19	*0305					RVSSO, SSP
748 Jaramillo, An	*01	*11	++	*03(DQ7)	*03(DQ8)					P-SSP
859 Kamoun, Malek	*0101	*1104	*0202	*0301/19	*0305					P-SSO, SSP
797 Kato, Shunich	*0101/07	*1104		*0301/09/13	*0305					SSO, +SBT-DR
4864 Kim, Kyeong-H	*01	*11								P-SSOP
4337 Kim, Tai-Gyu	*0101	*1104		*0301	*0305			*0401	*0402	SBT
168 Klein, Tirza	*0101	*1104		*0301	*0305					P-SSO, SSP
87 Land, Geoffrey	BC404T	*1104	*0202	*0301	*0305	*0301	*0505	*0401	*0402	SSP, SBT
278 Lee, Jar-How	*0101	*1104	*0202	*0301	*0305	*0301	*0505/09	*0401	*0402	SSP, RVSSOP
640 Lee, Kyung Wh	*0101	*1104		*0301/09/19	*0305	*030101	*0505			P-SBT
759 Lefor, W.M.	*0101/05/07+	*1104/43/44+		*0301/13/19	*0305	*0301	*0505/09			RVSSO
6649 Lim, Young Ae	*01	*11	++							P-SSP
274 Lo, Raymundo	*01	*11	++	*0301	*0302					SSP
731 Loewenthal, R	*010101	*110402		*0301	*0305					SBT, SSO
23 Mah, Helen	*0101	*1104	*0202	*0301	*0305					P-RFLP, SSP
8029 Mani, Rama	*01	*11	++	*03	*03					SSP
9916 McIntyre, Joh	*010101	*110401	*0202/23	*0301/19/21	*0305/17					SSP, SBT
794 Merenmies, Ju	*0101	*1104	*0202	*0301/19	*0305	*0301	*0505	*0401	*0402/*0602	SBT, SSO, SSP
8021 Montague, Bri	*0101	*1104	*0107/*02	*0301	*0305			*0401	*0402	P-SSP, SSO
792 Moore, S. Brea	*0101/17-19	*1104	*0202/23	*0301	*0305	*0301	*0505/08+			P-SSP, SSO
5323 Murad, Shahna	*0101/13/14	*1104/44/60		*03						P-SSP
774 Paik, Young K	*0101	*1104/60	*0202	*0301/19	*0305					SSP, SSOP
3648 Pereira, Noem	*0101	*110401		*030101/09	*0305					SBT, SSP
3966 Permpikul&Ve	*0101	*1104	*0202	*0301	*0305					P-SSP
2400 Phelan, Donna	*0101	*1104	*02	*0301/19	*0305					
16 Pidwell, Dian	*010101	*110401	*0202	*0301/13/19	*0305	*0301	*0505/09	*040101//	*0402/*0602//	RSSO, SSP, SBT
4689 Rajczyk, Katal	*0101/17-19	*1104/60	*0202/23	*0301/19/21	*0305/17					
3753 Reed, Elaine	*0101	*1104	*0202	*0301	*0305	*0301	*0505/09			SBT, SSP, SSO
1160 Rosen-Bronso	*01	*11	*02	*03	*03					SSO

B-CELL LINE TER-404

CTR DIRNAME	DRB1	DRB1X	DRB3	DQB1	DQB1X	DQA1	DQA1X	DPB1	DPB1X	METHOD
793 Rubocki,Rona	*01	*11	*+	*03(DQ7)	*03(DQ8)					SSP
5096 Seoul Red Cr	*01	*11								
8042 Shainberg,Br	*0101	*1104		*0301	*0305					SSOP, SSP
8001 Sheikh, Maqso	*0101	*1104	*0202	*0301/19	*0305					SSP, RVSSOP
735 Smith/MI	*01	*11	*+	*03	*03	*03	*05	*04	*23	SSOP, SSP
746 Stamm,Luz	*0101	*1104	*02	*0301	*0305					RVSSOP, SSP
13 Tagliere, Jac	*0101	*1104	*0202	*0301/19	*0305					SSP
747 Tiercy, Jean-	*0101	*1104	*0202	*0301/19/21	*030501			*0401	*0402	SSO, SSP, SBT
5451 Tilanus, Marc	*010101	*110401	*020201	*030101	*030501	*0301	*0505	*040101	*0402	SSO, SSP, SBT
4021 Trachtenberg	*01	*11	*02	*03	*03					RVSSOP, SSP
5462 Turner, E.V.	*0101	*1104	*0202	*0301/13	*0305			*0401	*0402	SSO, SSP, SEQ
5642 Varnavidou-N	*0101	*1104	*+	*0301	*030501					P-SSP
705 Watkins, Dav	*010101	*110401	*+	*0301g						P-SSP, SEQ
5670 Wetmore, Mari	*01	*11	*+	*03						SSP
2847 Yamamori, Shun	*01	*11		*03	*03					SSO, SSP

CTR DIRNAME	DR1	DR11	DR52	DQ7	DQ3X	OTH1	OTH2
3904 Cooper, Shann	+	+	+	+	DQ8		
910 Hahn, Amy B.	+	+	+	+	DQ3	DR103	
4908 Kvam, Vonnet	+	+	+	+	DQ8		
725 Lardy, N.M.	+	+	+	DQ3			
54 McAlack, Robe	+	+	+	+			
8004 Pais, Maria L	+	+	+	+		DR13	DQ6
2400 Phelan, Donna	+	+	+	+			
16 Pidwell, Dian	+	+	+	+			
793 Rubocki, Rona	+	+	+	+	DQ3		

B-CELL LINE TER-404 (Caucasian)  
70 DNA LABS

70 LABS REPORTING DRB1

DRB1*01	41%
DRB1*0101	47%
DRB1*010101	12%
DRB1*01	100% TOTAL

DRB1*11	29%
DRB1*1104/60	10%
DRB1*1104	49%
DRB1*110401	11%
DRB1*110402	1%
DRB1*11	100% TOTAL

54 LABS REPORTING DRB3

DRB3*+	30%
DRB3*0202	42%
DRB3*020201	2%
DRB3*02	17%
DRB3*0202/23	9%

11 SEROLOGY LABS

DR1	89%
DR11	100%
DR52	100%

65 LABS REPORTING DQB1

DQB1*03	40%
DQB1*0301/19	20%
DQB1*0301	38%
DQB1*030101	2%
DQB1*03	100% TOTAL

DQB1*03	25%
DQB1*0302	1%
DQB1*0305	66%
DQB1*030501	8%
DQB1*03	100% TOTAL

16 LABS REPORTING DQA1

DQA1*03	19%
DQA1*0301	69%
DQA1*030101	12%
DQA1*03	100% TOTAL

DQA1*05	25%
DQA1*0505/09	31%
DQA1*0505	44%
DQA1*05	100% TOTAL

16 LABS REPORTING DPB1

DPB1*04	6%
DPB1*0401	81%
DPB1*040101	13%
DPB1*04	100% TOTAL

DPB1*04	6%
DRB1*0402	94%
DPB1*04	100% TOTAL

DQ3	11%
DQ7	89%
DQ8	22%



INVESTIGATOR		DNA EXTRACT #413 (Filipino)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*1101	*3405	*1535	*350101/42/57	*070201	*080101	RVSSO, SBT
4691	Ali, M. Ashraf	*11	*34	*15	*35	*07	*08	SSOP, ELISA
2300	Allegheny Ge	*11	*34	*15	*35	*07	*08	SSP
745	Anthony Nola	*110101	*3405	*1535	*350101	*0702/50	*080101	SSO, SSP, SBT
5133	Baker, Judy	*11	*34	*1535/*9518	*35	*07	*08	RVSSO
105	Ball, Edward	*1101/10/29/30/32	*3401/05	*1535	*3501/11/14/62	*0702/41	*08	PCR-SSP
2020	Barnardo, Mar	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*080101	
4345	Blasczyk, Rai	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	PCR-SBT
5106	Brown, Colin	NT						
785	Chan, Soh Ha	*1101/21N/32	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	
3224	Chen, Dongfen	*1101	*3405	*1535	*3501/57	*0702/50	*0801	SBT, SSO
3625	Darke, Christ	*1101	*3405	*1535	*3501/42/57	*0702/50	*0801	SBT, PCR-SSP
1108	Davis, Mary	*1101	*3405	*1535	*3501	*0702	*0801	SSO, SSP
5891	Du, Keming	*1101	*3405	*1535	*3501/42			PCR-SBT
3186	Dunckley, Hea	*11	*34	*1501/04/05/07/25+	*35	*07	*08	SSP
3766	Dunn, Paul	*11	*3401/05	*1535/*9529	*35	*07	*0801/08	PCR-SSO, SSP
3428	Eckels/Utah	*11	*3401/05	*1520/35/85/*9518	*35			SSOP
4251	Ellis, Thomas	*1101	*3405	*1535	*3501/42/57	*0702/50	*0801	PCR-SSO, SEQ
762	Fischer&Mayr	*1101	*3405	*1535	*3501/40N	*0702	*0801	RVSSO, SBT
3135	Fischer, John	*1101	*3405	*1535	*3501/42/57	*0702/50	*0801	PCR-SSO, SBT
729	Fotino, Maril	*1101	*3401	*1535	*3501	*07	*0801	
5107	Grayson, Cath	*11	*34	*15/*95	*35	*07	*08	SSP
810	Hamdi, Nuha	*110104	*3401	*1527	*350101	*0739	*0741	SSO
1461	Hidajat, Mela	*1101	*3405	*1535	*3501	*0702	*0801	SSO, SSP
615	Holdsworth, R	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	SBT
2344	Hurley&Hartz	*110101/21N	*3405	*1535	*350101/0103+	*07020101/020102+	*080101	SBT, SSOP
797	Kato, Shunich	*1101	*3405	*1535	*3501/42	*0702	*0801	SSO, SBT
87	Land, Geoff	*1101	*3405	*1535	*3501	*0702	*0801	
278	Lee, Jar-How	*1101/21N/22/29	*3401/05	*1535	*3501/52/57	*0702/32N/39	*0801	SSP, RVSSOP
640	Lee, Kyung Wh	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	PCR-SBT
9916	McIntyre, Joh	*110101	*3405	*1535	*350101	*0702	*0801	SSP, SBT
794	Merenmies, Ju	*1101	*3405	*1535	*3501	*0702/50	*0801	SBT, SSO, SSP
8021	Montague, Bri	*1101/02/05-07+	*3401/05	*150101/0103/0104+	*3501-0401/06+	*0702/03/10+	*0801/03/06+	PCR-SSP
5323	Murad, Shahna	*11	*34	*15(B62)	*35	*07	*08	PCR-SSP
733	Mytilineos, J	*11	*34	*15	*35	*07	*08	SSO
8022	Olerup, Olle	*1101/10	*3405	*1535	*3501	*0702	*0801	SSP
8000	Pahl, Armin	*11	*34	*15/*95	*35			SSO
3648	Pereira, Noem	*11	*34	*15	*35	*07	*08	RVPCR-SSO
3966	Permpikul&Ve	*11	*34	*1535	*35	*0702	*0801	PCR-SSP
2400	Phelan, Donna	*1101	*3405	*1535	*3501	*0702	*0801	RVSSO, SSP
1694	Sauer&Guttwa	*11	*34	*15	*35	*07	*08	SSP
3545	Scornik, Juan	*110101	*3405	*1535	*3501/42/57	*0702/50	*0801	SSOP, SBT
5096	Seoul Red Cr	*11	*34	*15	*35			PCR-SSO
8042	Shainberg, Br	*1101	*3405	*1535	*3501	*0702	*0801	SSOP, SSP
735	Smith/MI	*1101	*3405	*1535	*3501/57	*0702/50	*0801	SSOP, SSP, SEQ
740	Snider, Denis	*1101	*3405	*1535	*3501	*0702	*0801	SSP
746	Stamm, Luz	*1101	*3405	*1535	*3501	*0702	*0801	RVSSO, SSP
13	Tagliere, Jac	*1101	*3405	*1535	*3501	*0702	*0801	SSP
4021	Trachtenberg	*11	*3401/05	*15	*35	*07	*08	RVSSOP
5462	Turner, E. V.	*1101	*3405	*1535	*3501	*0702	*0801	SSO, SSP, SEQ

CTR	INVESTIGATOR NAME	DNA EXTRACT #414	A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon		*030101	*6601	*1503/*9503	*520101/07	*0210	*1202	RVSSO, SBT
4691	Ali, M. Ashraf		*03	*66	*15	*52	*02	*12	SSOP, ELISA
2300	Allegheny Ge		*03	*66	*15	*52	*02	*12	SSP
745	Anthony Nola		*030101	*6601	*1503/*9503	*5201	*0210	*120202	SSO, SSP, SBT
5133	Baker, Judy		*03	*66	*1503/*9503	*52	*02	*12	RVSSO
105	Ball, Edward		*0301/27-29/33/34+	*6601	*1503/*9527/32	*52/*9527/32	*02	*1202	PCR-SSP
2020	Barnardo, Mar		*0301/20/21N/26+	*6601	*1503/*9503	*5201/07	*0210	*1202	
4345	Blasczyk, Rai		*0301/01N/20/21N+	*6601	*1503/*9503	*5201/07	*0210	*1202	PCR-SBT
5106	Brown, Colin		*03	*6601/04	*1503/74/*9503/27	*5201/04/07	*02	*1202	PCR-SSOP
785	Chan, Soh Ha		*0301/20/21N/26+	*6601	*1503/*9503	*5201/07	*0210	*1202	
3224	Chen, Dongfen		*0301	*6601	*1503/*9503	*5201/07	*0210	*1202	SBT, SSO
3625	Darke, Christ		*0301/21N	*6601	*1503/*9503	*5201/07	*0210	*1202	SBT, PCR-SSP
1108	Davis, Mary		*0301	*6601	*1503	*5201	*0210	*1202	SSO, SSP
5891	Du, Keming		*0301	*6601	*1503	*5201			PCR-SBT
3186	Dunckley, Hea		*03	*66	*1503/54/61/68/74+	*52	*02	*12	SSP
3766	Dunn, Paul		*03	*6601/04	*1503/*9503/27/32	*5201/07	*02	*1202/11/17	PCR-SSO, SSP
3428	Eckels/Utah		*03	*6601/04	*1503/*9503	*5201/07			SSOP
4251	Ellis, Thomas		*0301	*6601	*1503/*9503	*5201/07	*0210	*1202	PCR-SSO, SEQ
762	Fischer&Mayr		*0301	*6601	*1503/*9503	*5201	*0202/10	*1202	RVSSO, SBT
3135	Fischer, John		*0301	*6601	*1503/*9503	*5201/07	*0210	*1202	PCR-SSO, SBT
729	Fotino, Maril		*03	*6601	*1503	*52	*02	*12	
5107	Grayson, Cath		*03	*66	*15/*95	*52	*02	*12	SSP
810	Hamdi, Nuha		*03010101	*6601	*1503	*520101	*020201	*120201	SSO
1461	Hidajat, Mela		*0301	*6601	*1503/*9503	*5201	*0210	*1202	SSO, SSP
615	Holdsworth, R		*0301/01N/20/21N+	*6601	*1503/*9503	*5201/07	*0210	*1202	SBT
2344	Hurley&Hartz		*03010101-010103+	*6601	*1503/*9503	*520101/07	*0210	*120201/0102	SBT, SSOP
797	Kato, Shunich		*0301	*6601	*1503	*5201	*0202	*1202	SSO, SBT
87	Land, Geoff		*0301	*6601	*1503	*5201	*0210	*1202	
278	Lee, Jar-How		*0301/13/14/17/20+	*6601	*1503/*9503	*5201/07	*0202/10	*1202/17	SSP, RVSSOP
640	Lee, Kyung Wh		*0301/03N/20/21N+	*6601	*1503/*9503	*5201/07	*0210	*1202	PCR-SBT
9916	McIntyre, Joh		*030101	*6601	*1503	*520101	*0210	*1202	SSP, SBT
794	Merenmies, Ju		*0301	*6601	*1503/*9503	*5201/07	*0210	*1202	SBT, SSO, SSP
8021	Montague, Bri		*0301-04/07+	*6601/04	*1503/54/61+	*5201/03-05+	*0202/04-14+	*1202/08/10+	PCR-SSP
5323	Murad, Shahna		*03	*66	*15(B72)	*52	*02	*12	PCR-SSP
733	Mytilineos, J		*03	*66	*15	*52	*02	*12	SSO
8022	Olerup, Olle		*0301	*6601	*1503	*5201	*0210	*1202	SSP
8000	Pahl, Armin		*03	*66	*15/*95	*52			SSO
3648	Pereira, Noem		*03	*66	*15	*52	*02	*12	RVPCR-SSO
3966	Permpikul&Ve		*03	*66	*1503	*52	*0202	*1202	PCR-SSP
2400	Phelan, Donna		*0301	*6601	*1503	*5201	*0210	*1202	RVSSO, SSP
1694	Sauer&Guttwa		*03	*66	*15	*52	*02	*12	SSP
3545	Scornik, Juan		*0301	*6601	*1503	*5201	*0210	*120202	SSOP, SBT
5096	Seoul Red Cr		*03	*66	*15	*52			PCR-SSO
8042	Shainberg, Br		*0301	*6601	*1503	*5201	*0210	*1202	SSOP, SSP
735	Smith/MI		*0301	*6601	*1503/*9503	*5201/07	*0210	*1202	SSOP, SSP, SEQ
740	Snider, Denis		*0301	*6601	*1503	*5201	*0210	*1202	SSP
746	Stamm, Luz		*0301	*6601	*1503	*5207	*0210	*1202	RVSSO, SSP
13	Tagliere, Jac		*0301	*6601	*1503	*5201	*0202	*1202	SSP
4021	Trachtenberg		*03	*6601/04	*15	*52	*0202/10	*12	RVSSOP
5462	Turner, E.V.		*0301	*6601	*1503	*5201	*0210	*1202	SSO, SSP, SEQ

CTR	INVESTIGATOR NAME	DNA EXTRACT #415 A1	A2	B1	B2	C1	C2	method
5488	Adams, Sharon	*11	*24	*1518	*2707	*07	*15	RVSSO, SBT
4691	Ali, M. Ashraf	*11	*24	*15	*27	*07	*15	SSOP, ELISA
2300	Allegheny Ge	NT						
745	Anthony Nola	*1101	*2402	*1518	*2707	*070401	*150201	SSO, SSP, SBT
5133	Baker, Judy	*11	*24	*1518/72	*27	*0704/11/12/45	*15	RVSSO
105	Ball, Edward	*1101/13/29/30/32	*2402/26/55/62/71+	*1518	*2707	*0704	*15	PCR-SSP
2020	Barnardo, Mar	*1101/04/19/21N+	*2402/07/10/40N+	*1518	*2707	*0704/11	*1502/13	
4345	Blasczyk, Rai	*1101/21N	*2402/02L/09N/11N+	*1518	*2707	*0704/11	*1502/13	PCR-SBT
5106	Brown, Colin	*11	*24	*1518/72/*9519	*2707	*0704/11	*1502/13/18	PCR-SSOP
785	Chan, Soh Ha	*1101/04/19/21N+	*24g/0202/07/10+	*1518	*2707	*0704/11	*1502/13	
3224	Chen, Dongfen	*1101	*2402	*1518	*2707	*0704/11	*1502	SBT, SSO
3625	Darke, Christ	*1101	*2402	*1518	*2707	*0704	*1502	SBT, PCR-SSP
1108	Davis, Mary	*1123	*2402	*1518/*9519	*2707	*0704	*1502	SSO, SSP
5891	Du, Keming	*1101	*2402	*1518	*2707			PCR-SBT
3186	Dunckley, Hea	*11	*24	*1518/23/72/*9515+	*27	*07	*15	SSP
3766	Dunn, Paul	*11	*24	*1518/72	*2707	*0704/11	*1502/13/14	PCR-SSO, SSP
3428	Eckels/Utah	*11	*24	*1518/72	*2707/11			SSOP
4251	Ellis, Thomas	*1101	*2402	*1518	*2707	*0704/11	*1502/13	PCR-SSO, SEQ
762	Fischer&Mayr	*1101	*2402	*1518	*2707	*0704/11	*1502	RVSSO, SBT
3135	Fischer, John	*1101	*2402	*1518	*2707	*0704/11	*1502/13	PCR-SSO, SBT
729	Fotino, Maril	*1101	*2402	*1518	*2707	*0704	*15	
5107	Grayson, Cath	*11	*24	*15/*95	*27	*07	*15	SSP
810	Hamdi, Nuha	*110101	*24020101	*1518	*2707	*070401	*150203	SSO
1461	Hidajat, Mela	*1101	*2402	*1518	*2707	*0704	*1502	SSO, SSP
615	Holdsworth, R	*1101/21N	*2402/09N/11N/40N+	*1518	*2707	*0704/11	*1502/13	SBT
2344	Hurley&Hartz	*110101/21N	*24020101/020102L+	*1518	*2707	*070401/11	*150201/13	SBT, SSOP
797	Kato, Shunich	*1101/19	*2402/07	*1518	*2707	*0704/11	*1502	SSO, SBT
87	Land, Geoff	*1101	*2402	*1518	*2707	*0704	*1502	
278	Lee, Jar-How	*1101/21N/22/29	*2402/58/63	*1518	*2707	*0704	*1502	SSP, RVSSOP
640	Lee, Kyung Wh	*1101/19/21N/27	*2402/07/09N/10+	*1518	*2707	*0704/11	*1502/13	PCR-SBT
9916	McIntyre, Joh	*1101	*2402	*1518	*2707	*0704	*1502	SSP, SBT
794	Merenmies, Ju	*1101	*2402	*1518	*2707	*0704	*1502	SBT, SSO, SSP
8021	Montague, Bri	*1101/02/05-07+	*2402/03/07+	*1518/23/51+	*2703/07/09+	*0704/11/12	*1502-06+	PCR-SSP
5323	Murad, Shahna	*11	*24	*15(B71)	*27	*07	*15	PCR-SSP
733	Mytilineos, J	*11	*24	*15	*27	*07	*15	SSO
8022	Olerup, Olle	*1101	*2402	*1518	*2707	*0704	*1502	SSP
8000	Pahl, Armin	*11	*24	*15	*27			SSO
3648	Pereira, Noem	*11	*24	*15	*27	*07	*15	RVPCR-SSO
3966	Permpikul&Ve	*11	*24	*1518	*27	*0704	*1502	PCR-SSP
2400	Phelan, Donna	*1101	*2402	*1518/*9508	*2707	*0704	*1502/15	RVSSO, SSP
1694	Sauer&Guttwa	*11	*24	*15	*27	*07	*15	SSP
3545	Scornik, Juan	*1101	*2402	*1518	*2707	*0704/11	*150201	SSOP, SBT
5096	Seoul Red Cr	*11	*24	*15	*27			PCR-SSO
8042	Shainberg, Br	*1101	*2402	*1518	*2707	*0704	*1502	SSOP, SSP
735	Smith/MI	*1101/19/27	*2402/07/10	*1518	*2707	*0704/11	*1502/13	SSOP, SSP, SEQ
740	Snider, Denis	*1101	*2402	*1518	*2707/11	*0704	*1502	SSP
746	Stamm, Luz	*1101	*2402	*1518	*2707	*0704	*1502	RVSSO, SSP
13	Tagliere, Jac	*1101	*2402	*1518	*2707	*0704	*1502	SSP
4021	Trachtenberg	*11	*24	*15	*2707	*07	*15	RVSSOP
5462	Turner, E. V.	*1101	*2402	*1518	*2707	*0704	*1502	SSO, SSP, SEQ

INVESTIGATOR		DNA EXTRACT #416 (Filipino)		B1	B2	C1	C2	method
CTR	NAME	A1	A2					
5488	Adams, Sharon	*110101	*3405	*1535	*350101/42/57	*070201	*080101	RVSSO, SBT
4691	Ali, M. Ashraf	*11	*34	*15	*35	*07	*08	SSOP, ELISA
2300	Allegheny Ge	NT						
745	Anthony Nola	*110101	*3405	*1535	*350101	*0702/50	*080101	SSO, SSP, SBT
5133	Baker, Judy	*11	*34	*1535/*9518	*35	*07	*08	RVSSO
105	Ball, Edward	*1101/10/29/30/32	*3401/05	*1535	*3501/11/14/62	*0702/41	*08	PCR-SSP
2020	Barnardo, Mar	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	
4345	Blasczyk, Rai	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	PCR-SBT
5106	Brown, Colin	NT						
785	Chan, Soh Ha	*1101/21N/32	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	
3224	Chen, Dongfen	*1101	*3405	*1535	*3501/57	*0702/50	*0801	SBT, SSO
3625	Darke, Christ	*1101/21N	*3405	*1535	*3501/42/57	*0702/50	*0801	SBT, PCR-SSP
1108	Davis, Mary	*1101	*3405	*1535	*3501	*0702	*0801	SSO, SSP
5891	Du, Keming	*1101	*3405	*1535	*3501/42			PCR-SBT
3186	Dunckley, Hea	*11	*34	*1535	*35	*07	*08	SSP, +SBT-B
3766	Dunn, Paul	*11	*3401/05	*1535/*9529	*35	*07	*0801/08	PCR-SSO, SSP
3428	Eckels/Utah	*11	*3401/05	*1520/35/85/*9518	*35			SSOP
4251	Ellis, Thomas	*1101	*3405	*1535	*3501/42/57	*0702/50	*0801	PCR-SSO, SEQ
762	Fischer&Mayr	*1101	*3405	*1535	*3501/40N	*0702	*0801	RVSSO, SBT
3135	Fischer, John	*1101	*3405	*1535	*3501/42/57	*0702/50	*0801	PCR-SSO, SBT
729	Fotino, Maril	*1101	*3401	*1535	*3501	*07	*0801	
5107	Grayson, Cath	*11	*34	*15/*95	*35	*07	*08	SSP
810	Hamdi, Nuha	*110104	*3401	*1527	*350101	*0739	*0741	SSO
1461	Hidajat, Mela	*1101	*3401/05	*1535	*3501	*0702	*0801	SSO, SSP
615	Holdsworth, R	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	SBT
2344	Hurley&Hartz	*110101/21N	*3405	*1535	*350101/0103+	*07020101-020103+	*080101	SBT, SSO
797	Kato, Shunich	*1101	*3405	*1535	*3501/42	*0702	*0801	SSO, SBT
87	Land, Geoff	*1101	*3405	*1535	*3501	*0702	*0801	
278	Lee, Jar-How	*1101/21N/22/29	*3401/05	*1535	*3501/52/57	*0702/32N/39	*0801	SSP, RVSSOP
640	Lee, Kyung Wh	*1101/21N	*3405	*1535	*3501/40N/42/57	*0702/50	*0801	PCR-SBT
9916	McIntyre, Joh	*110101	*3405	*1535	*350101	*0702	*0801	SSP, SBT
794	Merenmies, Ju	*1101	*3405	*1535	*3501	*0702/50	*0801	SBT, SSO, SSP
8021	Montague, Bri	*1101/02/05-07+	*3401/05	*150101/0103/0104+	*3501-0401/06+	*0702/03/10+	*0801/03/06+	PCR-SSP
5323	Murad, Shahna	*11	*34	*15(B62)	*35	*07	*08	PCR-SSP
733	Mytilineos, J	*11	*34	*15	*35	*07	*08	SSO
8022	Olerup, Olle	*1101/10	*3405	*1535	*3501	*0702	*0801	SSP
8000	Pahl, Armin	*11	*34	*15/*95	*35			SSO
3648	Pereira, Noem	*11	*34	*15	*35	*07	*08	RVPCR-SSO
3966	Permpikul&Ve	*11	*34	*1535	*35	*0702	*0801	PCR-SSP
2400	Phelan, Donna	*1101	*3405	*1535	*3501	*0702	*0801	RVSSO, SSP
1694	Sauer&Guttwa	*11	*34	*15	*35	*07	*08	SSP
3545	Scornik, Juan	*110101	*3405	*1535	*3501/42/57	*0702/50	*0801	SSOP, SBT
5096	Seoul Red Cr	*11	*34	*15	*35			PCR-SSO
8042	Shainberg, Br	*1101	*3405	*1535	*3501	*0702	*0801	SSOP, SSP
735	Smith/MI	*1101	*3405	*1535	*3501/42/57	*0702/50	*0801	SSOP, SSP, SEQ
740	Snider, Denis	*1101	*3401	*1535	*3501	*0702	*0801	SSP
746	Stamm, Luz	*1101	*3405	*1535	*3501	*0702	*0801	RVSSO, SSP
13	Tagliere, Jac	*1110	*3401	*1535	*3501	*0702	*0801	SSP
4021	Trachtenberg	*11	*3401/05	*15	*35	*07	*08	RVSSOP
5462	Turner, E. V.	*1101	*3405	*1535	*3501	*07	*08	SSO, SSP, SEQ

## SUMMARY

<p>Extract 413 (Filipino)</p> <p><u>49 labs</u></p> <p>A*11 41%</p> <p>A*1101/21N 8%</p> <p>A*110101/21N 2%</p> <p>A*1101 41%</p> <p>A*110101 6%</p> <p>A*110104 2%</p> <p>A*11 100% TOTAL</p> <p>A*34 25%</p> <p>A*3401/05 12%</p> <p>A*3401 4%</p> <p>A*3405 59%</p> <p>A*34 100% TOTAL</p> <p><u>49 labs</u></p> <p>B*15 31%</p> <p>B*1527 2%</p> <p>B*1535 67%</p> <p>B*35 100% TOTAL</p> <p>B*35 37%</p> <p>B*3501/40N/42/57 12%</p> <p>B*3501/42/57 10%</p> <p>B*3501/40N 2%</p> <p>B*3501/42 4%</p> <p>B*3501/57 4%</p> <p>B*3501 25%</p> <p>B*350101 6%</p> <p>B*35 100% TOTAL</p> <p><u>45 labs</u></p> <p>Cw*07 36%</p> <p>Cw*0702/50 29%</p> <p>Cw*070201/50 2%</p> <p>Cw*0702 31%</p> <p>Cw*070201 2%</p> <p>Cw*07 100% TOTAL</p> <p>Cw*08 29%</p> <p>Cw*0801 60%</p> <p>Cw*080101 9%</p> <p>Cw*08 98% TOTAL</p>	<p>Extract 414</p> <p><u>50 labs</u></p> <p>A*03 54%</p> <p>A*0301 38%</p> <p>A*030101 6%</p> <p>A*03010101 2%</p> <p>A*03 100% TOTAL</p> <p>A*66 24%</p> <p>A*6601/04 10%</p> <p>A*6601 66%</p> <p>A*66 100% TOTAL</p> <p><u>49 labs</u></p> <p>B*15 30%</p> <p>B*1503/*9503 38%</p> <p>B*1503 32%</p> <p>B*15 100% TOTAL</p> <p>B*52 32%</p> <p>B*5201/07 28%</p> <p>B*520101/07 4%</p> <p>B*5201 28%</p> <p>B*520101 4%</p> <p>B*5207 2%</p> <p>B*52 98% TOTAL</p> <p><u>46 labs</u></p> <p>Cw*02 30%</p> <p>Cw*0202/10 7%</p> <p>Cw*0202 7%</p> <p>Cw*020201 2%</p> <p>Cw*0210 54%</p> <p>Cw*02 100% TOTAL</p> <p>Cw*12 33%</p> <p>Cw*1202 61%</p> <p>Cw*120201 2%</p> <p>Cw*120202 4%</p> <p>Cw*12 100% TOTAL</p>	<p>Extract 415</p> <p><u>49 labs</u></p> <p>A*11 55%</p> <p>A*1101 41%</p> <p>A*110101 2%</p> <p>A*1123 2%</p> <p>A*11 100% TOTAL</p> <p>A*24 55%</p> <p>A*2402 43%</p> <p>A*24020101 2%</p> <p>A*24 100% TOTAL</p> <p><u>49 labs</u></p> <p>B*15 35%</p> <p>B*1518 65%</p> <p>B*15 100% TOTAL</p> <p>B*27 29%</p> <p>B*2707 71%</p> <p>B*27 100% TOTAL</p> <p><u>45 labs</u></p> <p>Cw*07 25%</p> <p>Cw*0704/11 31%</p> <p>Cw*070401/11 2%</p> <p>Cw*0704 38%</p> <p>Cw*070401 4%</p> <p>Cw*07 100% TOTAL</p> <p>Cw*15 36%</p> <p>Cw*1502/13 17%</p> <p>Cw*150201/13 2%</p> <p>Cw*1502 38%</p> <p>Cw*150201 5%</p> <p>Cw*150203 2%</p> <p>Cw*15 100% TOTAL</p>	<p>Extract 416 (Filipino)</p> <p><u>48 labs</u></p> <p>A*11 40%</p> <p>A*1101/21N 10%</p> <p>A*110101/21N 2%</p> <p>A*1101 36%</p> <p>A*110101 8%</p> <p>A*110104 2%</p> <p>A*1110 2%</p> <p>A*11 100% TOTAL</p> <p>A*34 23%</p> <p>A*3401/05 15%</p> <p>A*3401 8%</p> <p>A*3405 54%</p> <p>A*34 100% TOTAL</p> <p><u>48 labs</u></p> <p>B*15 27%</p> <p>B*1527 2%</p> <p>B*1535 71%</p> <p>B*35 100% TOTAL</p> <p>B*35 35%</p> <p>B*3501/40N/42/57 13%</p> <p>B*3501/42/57 13%</p> <p>B*3501/40N 2%</p> <p>B*3501/42 4%</p> <p>B*3501/57 2%</p> <p>B*3501 25%</p> <p>B*350101 6%</p> <p>B*35 100% TOTAL</p> <p><u>44 labs</u></p> <p>Cw*07 36%</p> <p>Cw*0702/50 30%</p> <p>Cw*070201/50 2%</p> <p>Cw*0702 30%</p> <p>Cw*070201 2%</p> <p>Cw*07 100% TOTAL</p> <p>Cw*08 30%</p> <p>Cw*0801 61%</p> <p>Cw*080101 7%</p> <p>Cw*08 98% TOTAL</p>
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INVESTIGATOR	CELL NO.1325 (Hispanic)	B1	B2	C1	C2	method
CTR NAME	A1 A2					
745 Anthony Nola	*0202 *24020101	*2705	*390602	*020202	*0702/50	SSO,SSP,SBT
2020 Barnardo,Mar	*0202 *2402/40N/76/79+	*2705	*3906	*020202	*0702/50	
5106 Brown,Colin	*0202 *2402	*2703/05/13/17+	*3906	*0202/04/07/09+	*0702/10/15/32N+	PCR-SSOP,SBT
5232 Charlton,Ron	*0202 *2402	*2705	*3906	*0202	*0702	SSP,RVSSOP
4492 Charron,D.	*02 *24	*27	*39			PCR-SSO
798 Claas,F.H.J.	*0202 *24020101	*270502	*390602	*020202	*070201	RLB,SBT
3632 Colombe,Beth	*0202 *2402	*2705	*3906	*0202	*0702	SSP
3904 Cooper,Shann	*02 *24	*27	*3906	*02	*07	PCR-SSP
5130 Costeas,Paul	*0202 *2402	*2705	*3906	*0202/08	*0702	SSP,SSO
779 Daniel,Claud	*0202 *24020101-0205	*27	*390601/0602/34	*02	*07	PCR-SSP
3625 Darke,Christ	*0202 *2402/76	*2705	*3906	*0202	*0702/50	SBT,PCR-SSP
8052 Del Pozo,Ana	*02 *02	*27	*3906			PCR-SSOP
4269 Dormoy,Anne	*0202 *24020101	*270502	*390602	*020202	*070201	PCR-SSP,SBT
3186 Dunckley,Hea	*02 *24	*27	*39	*02	*07	SSP
3766 Dunn,Paul	*0202/*9215 *24	*27	*3906/24/28	*02	*07	SSO
856 Dupont,Bo	*0202/47/63/*9202+ *2402+	*2703/05/08-10+	*3906/34	*0202/07-09/11+	*0703/15/32N	RVSSO
5214 Eckels/CPMC	*02 *24	*27	*39	*02	*07	SSOP
2332 Elkhalfifa,Mo	*02 *24	*27	*39	*02	*07	RVSSO
4251 Ellis,Thomas	*0202 *2402	*2705/13	*3906	*0202	*0702/50	PCR-SSO,SEQ
762 Fischer&Mayr	*0202 *2402	*2705	*3906	*0202	*0702/08	RVSSO,SSP,SBT
729 Fotino,Maril	*0202 *2402	*2705	*3906	*0202	*07	
8043 Gideon,Osna	*0202 *2402	*2705	*3906	*0202/09/11	*0702	SSOP,SSP
810 Hamdi,Nuha	*0202 *24020101	*2709	*390601	*0105	*07020101	SSO
3808 Hogan,Patric	*02 *24	*27	*39	*02	*07	SSP
771 Israel,Shosh	*0202 *2402	*2705	*3906	*0202	*0702	PCR-SSO,SBT
859 Kamoun,Malek	*0202 *2402/35/40N/47	*2705	*3906	*0202	*0702	
4337 Kim,Tai-Gyu	*0202 *2402/09N	*2705	*3906	*0202	*0702	SBT
168 Klein,Tirza	*0202 *2402	*2705	*3906	*0202	*0702	PCR-SSP,SSO
278 Lee,Jar-How	*0202 *2402/58/59/63	*2705	*3906	*0202/09/11/15	*0702/29/39	SSP,RVSSOP
759 Lefor,W.M.	*0202/*9215 *2402/15/17/20+	*2703/05/13/14+	*3906/24/28	*0202/07-10+	*0702/13/29/38+	RVSSO
731 Loewenthal,R	*0202 *240201	*2705	*390602	*020202	*070201	SBT,SSO
8029 Mani,Rama	*02 *24	*27	*39			SSP
792 Moore,S.Brea	*0202 *2402/59/69/70+	*2705/37	*3906	*0202/15	*0702	PCR-SSP,SSO
774 Paik,Young	*0202/*9202 *2402/55/56/58+	*27	*3906	*02	*07	SSP,SSOP
4336 Park,Myoung	*0202/63 *24	*27	*3906/34	*02	*07	RVSSO
16 Pidwell,Dian	*0202 *240201	*2705/13	*390602	*020202	*070201/50	
4689 Rajczy,Katal	*02 *24	*2703/05/09/13+	*3906/34	*0202/07/09/11	*07	PCR-SSP,SSO
5200 Reinke,Dennis	*02 *24	*27	*3906	*02	*07	SSP
1160 Rosen-Bronso	*0202/*9215 *24	*27	*39	*02	*07	RVSSO,SSP
793 Rubocki,Ron	*02 *24	*27	*39	*02	*07	PCR-SSP
4948 Sage,Deborah	*0202 *2402	*2705/13	*3906	*0202	*0702	SSO,SBT
8001 Sheikh,Maqso	*02 *24	*27	*39	*02	*07	SSOP,SSP
769 Tavoularis,S	*0202 *2402	*2705	*3906	*0202	*0702/50	SSO,SSP,SBT
747 Tiercy,Jean-	*0202 *2402	*2705	*390602	*020202	*0702	SSO,SSP,SBT
5451 Tilanus,Marc	*0202 *24020101	*270502	*390602	*020202	*070201	SBT
5462 Turner,E.V.	*0202 *2402	*2705	*3906	*0202	*0702	SSOP,SSP,SEQ
5642 Varnavidou-N	*02 *24	*27	*39	*02	*07	PCR-SSP,SSO
705 Watkins,Davi	*02010101g/*9201g *24020101g	*2703g/28	*390601/0602/33+	*020201g	*07020101g/46	
5670 Wetmore,Mari	*02 *24	*27	*39	*02	*07	SSP

INVESTIGATOR	CELL NO.1326 (Caucasian)	B1	B2	C1	C2	method
CTR NAME	A1 A2					
745 Anthony Nola	*02010101	*510101	*5105	*040101		SSO,SSP,SBT
2020 Barnardo,Mar	*0201/09/43N/66/75/83N/89/97+	*5101/05	*5101/05/11N/30+	*0401/09N/28/30		
5106 Brown,Colin	*0201	*5101/11N/30/32	*5105	*04		PCR-SSOP,SBT
5232 Charlton,Ron	*0201 *0201	*5101	*5105	*0401	*0401	SSP,RVSSOP
4492 Charron,D.	*02	*51//*5129	*5105//*5307			PCR-SSO
798 Claas,F.H.J.	*020101	*510101	*5105	*040101		RLB,SBT
3632 Colombe,Beth	*0201	*5101	*5105	*0401		SSP
3904 Cooper,Shann	*02	*510101/0103+	*5105	*04		PCR-SSP
5130 Costeas,Paul	*0201	*5101/02	*5105/29	*0401		SSP,SSO
779 Daniel,Claud	*02	*51		*04		PCR-SSP
3625 Darke,Christ	*0201	*5101	*5105	*0401/09N/28/30		SBT,PCR-SSP
8052 Del Pozo,Ana	*02 *02	*51	*51			PCR-SSOP
4269 Dormoy,Anne	NT					
3186 Dunckley,Hea	*02	*51		*04		SSP
3766 Dunn,Paul	*02	*51	*5105	*04		SSO
856 Dupont,Bo	*0201+	*5101-03/09/11N+		*0401/05/09/12/18/20/24/25/08+		RVSSO
5214 Eckels/CPMC	*02 *02	*51	*5105	*04	*04	SSOP
2332 Elkhalfifa,Mo	*02	*51		*04		RVSSO
4251 Ellis,Thomas	*0201 *0201	*5101	*5105	*0401/28/30	*0401/28/30	PCR-SSO,SEQ
762 Fischer&Mayr	*0201/09	*5101/11N	*5105	*0401/09N		RVSSO,SSP,SBT
729 Fotino,Maril	*0201	*51	*5105	*0401		
8043 Gideon,Osna	*0201	*5101	*5105	*0401		SSOP,SSP
810 Hamdi,Nuha	*02010101 *0202	*510101	*5105	*04010101	*0403	SSO
3808 Hogan,Patric	*02	*51		*04		SSP
771 Israel,Shosh	*0201	*5101	*5105	*0401		PCR-SSO,SBT
859 Kamoun,Malek	*0201	*5101	*5105	*0401		
4337 Kim,Tai-Gyu	*0201	*5105	*5105	*0401		SBT
168 Klein,Tirza	*0201	*5101	*5105	*0401		PCR-SSP,SSO
278 Lee,Jar-How	*0201/24/66/88N/92/94N-97/*9207	*5101/38	*5105	*0401/12/17-21		SSP,RVSSOP
759 Lefor,W.M.	*0201/04/07/09/17+	*5101/03/04/12+	*5105	*0401/05/07/12/17+		RVSSO
731 Loewenthal,R	*020101	*510101	*5105	*040101		SBT,SSO
8029 Mani,Rama	*02 *02	*51	*51			SSP
792 Moore,S.Brea	*0201	*5101	*5105	*0401		PCR-SSP,SSO
774 Paik,Young	*0201/24/66/88N/92/94N-97/*9201+	*51	*5105	*04		SSP,SSOP
4336 Park,Myoung	*02	*51		*04		RVSSO
16 Pidwell,Dian	*020101	*510101	*5105	*040101/30		
4689 Rajczy,Katal	*0201	*51	*5105	*04		PCR-SSP,SSO
5200 Reinke,Dennis	*02	*51	*51	*04		SSP
1160 Rosen-Bronso	*02	*51	*5105	*04		RVSSO,SSP
793 Rubocki,Ron	*02	*51		*04		PCR-SSP
4948 Sage,Deborah	*0201	*5101/11N/30/32	*5105	*0401/09N		SSO,SBT
8001 Sheikh,Maqso	*02	*51		*04		SSOP,SSP
769 Tavoularis,S	*0201	*5101	*5105	*0401/28/30		SSO,SSP,SBT
747 Tiercy,Jean-	*0201	*5101	*5105	*0401		SSO,SSP,SBT
5451 Tilanus,Marc	*020101	*510101	*5105	*040101		SBT
5462 Turner,E.V.	*0201	*5101	*5105	*0401		SSOP,SSP,SEQ
5642 Varnavidou-N	*02	*51		*04		PCR-SSP,SSO
705 Watkins,Davi	*020101g/*9201g	*510101g/45		*04010101g		
5670 Wetmore,Mari	*02	*51		*04		SSP

INVESTIGATOR	CELL NO.1327 (Chinese)						method	
CTR	NAME	A1	A2	B1	B2	C1	C2	
745	Anthony Nola	*1101	*2402	*5901	*151101	*010201	*030301	SSO,SSP,SBT
2020	Barnardo,Mar	*110101/21N	*2402/40N/76/79+	*5901	*151101	*0102	*0303/20N	
5106	Brown,Colin	*11	*24	*5901	*1511	*01	*03	PCR-SSOP,SBT
5232	Charlton,Ron	*1101	*2402	*5901	*1511	*0102	*0303	SSP,RVSSOP
4492	Charron,D.	*1101/29/30	*2402/17/71	*5901	*1511	*0102/15-18	*0303/11/30	PCR-SSP
798	Claas,F.H.J.	*1101	*24020101	*5901	*151101	*0102	*030301	RLB,SBT
3632	Colombe,Beth	*1101	*2402	*5901	*1511	*0102	*0303	SSP
3904	Cooper,Shann	*11	*24	*59	*1511	*01	*0303/11/13	PCR-SSP
5130	Costeas,Paul	*1101	*2402	*5901	*1511	*0102	*0303	SSO,SSO
779	Daniel,Claud	*11	*24	*5901	*151101-1103	*01	*03(Cw9)	PCR-SSP
3625	Darke,Christ	*1101	*2402	*5901	*1511	*0102	*0303	SBT,PCR-SSP
8052	Del Pozo,Ana	*11	*24	*5901				PCR-SSOP
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*11	*24	*59	*1508/11/15	*01	*0303/11-13/18+	SSP
3766	Dunn,Paul	*11	*24	*5901	*1511	*01	*03	SSO
856	Dupont,Bo	*1101-03/08/09/12+	*2402+	*5901	*1508/11	*0102/06-08/11+	*0303/11/13/20N+	RVSSO
5214	Eckels/CPMC	*11	*24	*5901	*1511	*01	*03(CW9)	SSOP
2332	Elkhalifa,Mo	*11	*24	*59	*15	*01	*03	RVSSO
4251	Ellis,Thomas	*1101	*2402	*5901	*1511	*0102	*0303/20N	PCR-SSO,SEQ
762	Fischer&Mayr	*1101	*2402	*5901	*1511	*0102	*0303	RVSSO,SSP,SBT
729	Fotino,Maril	*1101	*2402	*5901	*1511	*01	*03	
8043	Gideon,Osna	*1101	*2402	*5901	*1511	*0102/10/11	*0303	SSOP,SSP
810	Hamdi,Nuha	*110101	*24020101	*5901	*1508	*0105	*031101	SSO
3808	Hogan,Patric	*11	*24	*5901	*1511	*01	*03	SSP
771	Israel,Shosh	*1101	*2402	*5901	*1511	*0102	*0303	PCR-SSO,SBT
859	Kamoun,Malek	*1101	*2402	*5901	*1511	*01	*0303	
4337	Kim,Tai-Gyu	*1101	*2402/09N	*5901	*1511	*0102	*0303	SBT
168	Klein,Tirza	*1101	*2402	*5901	*1511	*0102	*0303	PCR-SSP,SSO
278	Lee,Jar-How	*1101/19/21N/22/29	*2402/58/63	*5901	*1511	*0102/11	*0303/20N/22Q	SSP,RVSSOP
759	Lefor,W.M.	*1101-03/05/07+	*2402/05/07/10+	*5901	*1511	*0102/07/11/15+	*0303/11/12/22Q+	RVSSO
731	Loewenthal,R	*110101	*240201	*5901	*151101	*0102	*030301	SBT,SSO
8029	Mani,Rama	*11	*24	*59	*15			SSP
792	Moore,S.Brea	*1101/29	*2402	*5901	*1511	*0102/19	*0303	PCR-SSP,SSO
774	Paik,Young	*11	*2402/55/56/58+	*5901	*1511	*01	*0303/11/13/22Q+	SSP,SSOP
4336	Park,Myoung	*11	*24	*5901	*1508/11	*01	*03	RVSSO
16	Pidwell,Dian	*110101	*240201	*5901	*151101	*010201	*030301/20N	
4689	Rajczyk,Katal	*11	*24	*5901	*1511	*01	*0303/12/22Q	PCR-SSP,SSO
5200	Reinke,Dennis	*11	*24	*59	*15(B75)	*01	*03(CW9)	SSP
1160	Rosen-Bronso	*11	*24	*5901	*1511	*01	*03	RVSSO,SSP
793	Rubocki,Ron	*11	*24	*59	*15(B75)	*01	*03	PCR-SSP
4948	Sage,Deborah	*1101/27	*2402/10	*5901	*1511	*0102/11	*0303/20N	SSO,SBT
8001	Sheikh,Maqso	*11	*24	*59	*1511	*01	*0303/11/12/20N+	SSOP,SSP
769	Tavoularis,S	*1101	*2402	*5901	*1511	*0102	*0303/20N	SSO,SSP,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*110101	*24020101	*5901	*151101	*0102	*030301	SBT
5462	Turner,E.V.	*1101	*2402	*5901	*1511	*0102	*0303	SSOP,SSP,SEQ
5642	Varnavidou-N	*11	*24	*59	*15	*01	*03	PCR-SSP,SSO
705	Watkins,Davi	*110101g/08/26	*24020101g/44/51	*5901	*151101-1103	*010201g	*030301g	
5670	Wetmore,Mari	*11	*24	*59	*1511	*01	*03	SSP



INVESTIGATOR	CELL NO.1328 (Hispanic)						method	
CTR	NAME	A1	A2	B1	B2	C1	C2	
745	Anthony Nola	*24020101	*680301	*3905	*44020101	*0702/50	*160401	SSO,SSP,SBT
2020	Barnardo,Mar	*2402/40N/76/79+	*680301	*3905	*4402/09/19N/27	*0702/50	*160401	
5106	Brown,Colin	*24	*6803	*3905	*4402/19N/23N+	*0702/10/32N/33N+	*1604	PCR-SSOP,SBT
5232	Charlton,Ron	*2402	*6803	*3905	*4402	*0702	*1604	SSP,RVSSOP
4492	Charron,D.	*2402/71	*6803	*3905	*4402/52	*0702	*1604	PCR-SSP
798	Claas,F.H.J.	*24020101	*680301	*3905	*440201	*070201	*160401	RLB,SBT
3632	Colombe,Beth	*2402	*6803	*3905	*4402	*0702	*1604	SSP
3904	Cooper,Shann	*24	*68	*39	*44	*07	*16	PCR-SSP
5130	Costeas,Paul	*2402	*6803	*3905	*4402	*0702	*1604	SSP,SSO
779	Daniel,Claud	*24	*68	*39	*44	*07	*160401	PCR-SSP
3625	Darke,Christ	*2402/06/07	*6801/03/09/11	*3905	*4402	*0702/50	*1604	SBT,PCR-SSP
8052	Del Pozo,Ana	*24	*68	*39	*44			PCR-SSOP
4269	Dormoy,Anne	NT						
3186	Dunckley,Hea	*24	*68	*39	*44	*07	*12/*16	SSP
3766	Dunn,Paul	*24	*6803/24	*3905	*44	*07	*1604	SSO
856	Dupond,Bo	*2402+	*6803/24	*39/*38	*4402/09+	*0702+	*1604/*1203/06+	RVSSO
5214	Eckels/CPMC	*24	*68	*3905	*44	*07	*1604	SSOP
2332	Elkhalifa,Mo	*24	*68	*39	*44	*07	*16	RVSSO
4251	Ellis,Thomas	*2402	*6803	*3905	*4402/19N	*0702/50	*1604	PCR-SSO,SEQ
762	Fischer&Mayr	*2402	*6803	*3905	*4402/27	*0702	*1604	RVSSO,SSP,SBT
729	Fotino,Maril	*2402	*6803	*3905	*4402	*07	*1604	
8043	Gideon,Osna	*2402	*6803	*3905	*4402	*0702	*1604	SSOP,SSP
810	Hamdi,Nuha	*24020101	*680301	*3905	*44020101	*07020101	*0739	SSO
3808	Hogan,Patric	*24	*68	*39	*44	*07	*16	SSP
771	Israel,Shosh	*2402	*6803	*3905	*4402	*0702	*1604	PCR-SSO,SBT
859	Kamoun,Malek	*2402/09N/27/35/39	*6803	*3905	*4402	*0702	*1604	
4337	Kim,Tai-Gyu	*2402/09N	*6803	*3905	*4402	*0702	*1604	SBT
168	Klein,Tirza	*2402	*6803	*3905	*4402	*0702	*1604	PCR-SSP,SSO
278	Lee,Jar-How	*2402/58/59/63	*6803	*3905	*4402	*0702/25/29/32N+	*1604	SSP,RVSSOP
759	Lefor,W.M.	*2402/15/20/21/25+	*6803/24	*3905	*4402/27/33/41+	*0702/13/25/29+	*1604	RVSSO
731	Loewenthal,R	*240201	*680301	*3905	*440201	*070201	*160401	SBT,SSO
8029	Mani,Rama	*24	*68	*39	*44			SSP
792	Moore,S.Brea	*2402	*6803	*3905	*4402/53	*0702	*1604	PCR-SSP,SSO
774	Paik,Young	*2402/55/56/58-63+	*68	*3905/11	*44	*07	*160401	SSP,SSOP
4336	Park,Myoung	*24	*6803/24	*39	*44	*07	*1604	RVSSO
16	Pidwell,Dian	*240201	*680301	*3905	*440201/19N	*070201/50	*160401	
4689	Rajczyk,Katal	*24	*6803	*3905/11	*4402/27/33/41	*0702/03/05/13+	*1604	PCR-SSP,SSO
5200	Reinke,Dennis	*24	*68	*39	*44	*07	*16	SSP
1160	Rosen-Bronso	*24	*6803/24	*3905	*44	*07	*16	RVSSO,SSP
793	Rubocki,Ron	*24	*68	*39	*44	*07	*16	PCR-SSP
4948	Sage,Deborah	*2402	*6803	*3905	*4402/19N/27	*0702	*1604	SSO,SBT
8001	Sheikh,Maqso	*24	*68	*39	*44	*07	*16	SSOP,SSP
769	Tavoularis,S	*2402	*6803	*3905	*4402/02S	*0702/50	*1604	SSO,SSP,SBT
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*24020101	*680301	*3905	*44020101	*070201	*160401	SBT
5462	Turner,E.V.	*2402	*6803	*3905	*4402	*0702	*1604	SSOP,SSP,SEQ
5642	Varnavidou-N	*24	*68	*39	*44	*07	*16	PCR-SSP,SSO
705	Watkins,Davi	*24020101g/44	*680101g/*9222	*39010101g	*44020101g/29	*07020101g	*160401	
5670	Wetmore,Mari	*24	*68	*39	*44	*07	*160401	SSP

## Cell 1325 (Hispanic)

<u>49 labs</u>	
A*02	43%
A*0202	57%
A*02	100% TOTAL
A*24	53%
A*2402	31%
A*240201	4%
A*24020101	10%
A*24	98% TOTAL

## Cell 1326 (Caucasian)

<u>48 labs</u>	
A*02	50%
A*0201	38%
A*020101	8%
A*02010101	4%
A*02	100% TOTAL

## Cell 1327 (Chinese)

<u>47 labs</u>	
A*11	57%
A*1101	34%
A*110101	9%
A*11	100% TOTAL
A*24	58%
A*2402	32%
A*240201	4%
A*24020101	6%
A*24	100% TOTAL

## Cell 1328 (Hispanic)

<u>47 labs</u>	
A*24	59%
A*2402	28%
A*240201	4%
A*24020101	9%
A*24	100% TOTAL
A*68	32%
A*6803/24	11%
A*6803	40%
A*680301	15%
A*68	98% TOTAL

49 labs

B*27	55%
B*2705	37%
B*270502	6%
B*2709	2%
B*27	100% TOTAL
B*39	29%
B*3906/34	8%
B*3906	47%
B*390601	2%
B*390602	14%
B*39	100% TOTAL

48 labs

B*51	60%
B*5101	27%
B*510101	13%
B*51	100% TOTAL
B*51	33%
B*5105	65%
B*51	98% TOTAL

47 labs

B*59	19%
B*5901	81%
B*59	100% TOTAL
B*15	17%
B*1508	2%
B*1511	66%
B*151101	13%
B*15	98% TOTAL

47 labs

B*39	34%
B*3905	64%
B*39	98% TOTAL
B*44	62%
B*4402	28%
B*440201	4%
B*44020101	6%
B*44	100% TOTAL

46 labs

Cw*02	52%
Cw*0202	28%
Cw*020202	18%
Cw*02	98% TOTAL
Cw*07	50%
Cw*0702/50	11%
Cw*070201/50	2%
Cw*0702	26%
Cw*070201	9%
Cw*07020101	2%
Cw*07	100% TOTAL

45 labs

Cw*04	62%
Cw*0401	27%
Cw*040101	9%
Cw*04010101	2%
Cw*04	100% TOTAL

45 labs

Cw*01	60%
Cw*0102	33%
Cw*010201	5%
Cw*0105	2%
Cw*01	100% TOTAL
Cw*03	51%
Cw*0303/20N	9%
Cw*030301/20N	2%
Cw*0303	27%
Cw*030301	9%
Cw*031101	2%
Cw*03	100% TOTAL

45 labs

Cw*07	49%
Cw*0702/50	11%
Cw*070201/50	2%
Cw*0702	29%
Cw*070201	7%
Cw*07020101	2%
Cw*07	100% TOTAL
Cw*16	18%
Cw*1604	53%
Cw*160401	22%
Cw*16	93% TOTAL

INTERNATIONAL CELL EXCHANGE

		***** CELL NO.1325 *****						***** CELL NO.1326 *****				***** CELL NO.1327 *****						***** CELL NO.1328 *****													
		(HISP)						(CAUC)				(CHIN)						(HISP)													
INVESTIGATOR	DAYS	A	A	B	B	C	C	B	B	A	A	B	B	C	B	A	A	B	B	C	C	B	B	A	A	B	B	C	B	B	
NAME	OLD	%	4	7	9	2	7	4	6	%	1	1	4	4	%	1	4	9	5	1	3	4	6	%	4	8	9	4	7	4	6
									OTHERS					OTHERS																OTHERS	

X

Abbal, M. Pro	6	98	+	+	+	+		+	+	100	+	+	+		98	+	+	+15		+	+	98	+	+	+	+		+	+
Alvarez, Carr	6	100	+	+	+	+	+	+	+	100	+	+	+	+	100	+	+	+	+	+	+	+	100	+	+	+	+	+	+
Anthony Nola	3	98	+	+	+	+				96	+	+			96	+	+	+	+			96	+	+	+				
Baker, Judy	7	100	+	+	+	+		+	+	100	+	+	+		100	+	+	+	+	+		100	+	+	+		+	+	
Berka, Noured	2	90	+	+	+	+	+	+	+	90	+	+53	+	+	90	+	+	+15	+	+	+	B15V	90	+	+	+	+	B38, B44V	
Bow, Laurine	6	98	+	+	+	+	+	+	+	98	+	+53	+	A28	98	+	+	+11	+	+	+		98	+28	+	+	+	+	
Burger, Joe	2	99	+	+	+	+	+	+	+	99	+	+	+		99	+	+	+15	+	+	+		99	+	+	+	+	+	
Chan MD, Soh	4	95	+	+	+			+	B15	95	+	+53	+		95	+	+		+	+	B46, B5	95	+28	+	+	+	+	+	
Charron, D. P	5	90	+	+	+16					90	+	+53		5102	90	+	+	+11				90	+	+16	+				
Choo, Yoon MD	3	99	+	+	+	+	+	+	+	99	+	+53	+		99	+	+	+15	+	+	+	1508	99	+2816	+	+	+	+	
Ciccio/Willi	7	99	+	+	+	+	+	+	+	99	+	+53	+	CW7	99	+	+	+	+	+	+	B46	99	+	+	+	+	+	
Claas, F.H.J.	6	90	+	+	+	+	+	+	+	90	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	+	
Cooper, E. Sh	2	99	+	+	+	+		+		99	+	+	+		99	+	+	+	+	+	+		99	+	+	+	+	+	
Daniel, Dolly	6	99	+	+	+	+		+		99	+	+53	+		99	+	+	+	+	+	+		99	+	+	+	+	+	
Darke, Christ	6	90	+	+	+	+	+	+	+	90	+	+	+		85	+	+	+	+	+	+	+	90	+	+16	+	+	+	
Du Toit, Erne	13	80	+	+	+	+		+		80	+	+	+		80	+	+	+15	+	+			80	+28	+	+	+	B38	
Dunckley, Hea	8	95	+	+	+	+		+		95	+	+	+		95	+	+	+15	+	+			95	+28	+	+	+	+	
Dunk, Arthur	3	98	+	+	+	+	+	+	+	98	+	+	+	+	98	+	+	+	+	+	+		98	+28	+	+	+	+	
Dunn, Paul Ph	6	98	+	+	+	+		+		95	+	+	+		95	+	+	+	+	+	+		98	+	+	+	+	+	
Eckels/CPMC	2	99	+	+	+	+	+	+	+	99	+	+	+		99	+	+	+	+	+	+		99	+	+	+	+	+	
Eckels/Utah	3	99	+	+	+	+	+	+	+	99	+	+53	+		99	+	+	+	+	+	+		99	+	+	+	+	+	
Esteves Kond	2	96	+	+	+	+	+	+	+	96	+	+	+		96	+	+	+11	+W9	+	+		96	+	+	+	+	3905	
Fischer, Joha	6	95	+	+	+	+		+		95	+	+	+		95	+	+	+	+	+	+		95	+	+	+	+	+	
Fotino, Maril	3	90	+	+	+	+	+	+	+	90	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	+	
Foxcroft, Z.K	7	90	+	+	+			+		90	+	+	+		90	+	+	15	+	+			90	+2816	+	+	+	+	
Gideon, Osna	7	100	+	+	+	+	+	+		100	+	+	+		100	+	+	+15	+	+			100	+	+	+	+	+	
Goggins, R.	2	99	+	+	+	+	+	+	+	99	+	+	+		99	+	+	+11	+	+	+		99	+28	+	+	+	+	
Hahn, Amy B.	3	99	+	+	+	+	+	+	+	99	+	+53	+		99	+	+	+	+	+	+	1511	98	+	+	+	+	B38	
Henrico Doct	7	90	+	+	+	+		+		90	+	+	+		95	+	+	+	+	+	+		95	+	+	+	+	+	
Hirankarn MD	6	77	+	+	+	+		+		90	+	+	+		80	.	1	+15	+	+			83	+	+	+	+	+	
Hogan, Patric	6	85	+	+	+	+	+	+	+	85	+	+	+		85	+	+	+	+	+	+		85	+	+	+	+	+	
Holdsworth, R	8	95	+	+	+	+	+	+	+	98	+	+B5	+		98	+	+	+	+	+	+		NT						
Hubbell, Char	2	95	+	+	+	+		+		95	+	+53	+		95	+	+	15	+	+			95	+28	+	+	+	+	
Ichikawa MD,	13	???	+	+	+	+		+		???	+	+	+	CW1, B35	???	+	+	+	+	+	B62	???	+	+	+	+	+	+	
Israel, Shosh	6	90	+	+	+	+	+	+	+	90	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	+	
Jaramillo, An	2	97	+	+	+	+	+	+	+	97	+	+	+		99	+	+	+11	+W9	+	+		97	+	+	+	+	+	
Keown, Paul M	2	98	+	+	+	+		+		98	+	+	+		95	+	+	+	+	+	+		98	+2816	+	+	+	+	
Klein, Tirza	6	95	+	+	+	+	+	+	+	95	+	+	+		95	+	+	+	+	+	+		95	+	+	+	+	+	
Kvam, Vonnett	3	97	+	+	+	+	+	+	+	95	+	+52	+		97	+	+	+15	+	+	+		97	+28	+	+	+	+	
Lardy, N.M. D	6	95	+	+	+	+	+	+	+	95	+	+	+		95	+	+	+	+	+	+		95	+28	+	+	+	+	
Leech MD, Ste	10	99	+	+	+	+	+	+	+	99	+	+	+		99	+	+	+	+	+	+	B46	99	+28	+	+	+	+	
Lefor, W.M. P	2	99	+	+	+	+	+	+	+	99	+	+	+		99	+	+	+15	+	+	+	B15V	99	+	+	+	+	A68S	
Lim, Young Ae	7	90	+	+	+	+	+	+	+	90	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	CX16	
Lo, Raymundo	14	98	+	+	+			+	B67	98	+	+	+		98	+	+	+	+	+	B54	98	+	+	+	+	B38		
Loewenthal M	7	95	+	+	+	+	+	+	+	95	+	+	+		95	+	+	+	+	+	+		95	+	+	+	+	+	
MacCann, Eile	2	98	+	+	+	+		+		98	+	+53	+		98	+	+	+	+	+	+		98	+	+	+	+	+	
Mah, Helen	3	98	+	+	+	+	+	+	+	98	+	+	+		98	+	+	+	+	+	+		98	+	+	+	+	+	
McAlack, Robe	2	97	+	+	+	+	+	+	+	97	+	+51	+	5105	97	+	+	+11	+W9	+	+		98	+	+16	+	+	+	
McAlack-Bala	2	99	+	+	+	+	+	+	+	99	+	+53	+		98	+	+	+11	+	+	+		99	+28	+	+	+	B38	
McCluskey, Ja	9	95	+	+	+	+		+		90	+	+	+		95	+	+	+15	+	+	+		99	+28	+	+	+	+	

INTERNATIONAL CELL EXCHANGE

		***** CELL NO.1325 *****						***** CELL NO.1326 *****				***** CELL NO.1327 *****						***** CELL NO.1328 *****															
		V						V				V						V															
		(HISP)						(CAUC)				(CHIN)						(HISP)															
INVESTIGATOR	DAYS	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B	A	A	B	B	C	C	B	B
NAME	OLD	%	4	7	9	2	7	4	6	%	1	1	4	4	%	1	4	9	5	1	3	4	6	%	4	8	9	4	7	4	6		
			OTHERS							OTHERS					OTHERS							OTHERS											
Murad,Shahna	16	95	+	+	+	+	+	+	95	+	+	+	B35,CW1	96	+	+	+	+	+	+	+	B77	94	+	+	+	+	+	+	B38,B45,A2			
Norin,Allen	4	99	+	+	+	+	+	+	99	+	+02	+		99	+	+	+15	+	+	+	+		99	+	+	+	+	+	+				
Paik,Young K	3	95	+	+	+	+	+	+	95	+	+	+		95	+	+	+15	+W9	+	+	+		95	+	+	+	+	+	+				
Pais, Maria L	13	98	+	+	+				98	+	+		A68	98	+	+	+	+	+	+	B62	98	+28	+	+	+	+	+					
Park,Myoung	6	81	+	+	+	+	+	+	95	+	+	+		90	+	+	+	+	+	+		85	+28	+	+	+	+	+					
Permpikul,Ve	6	95	+	+	+	+	+	+	95	+	+53	+		95	01	+	+	+	+	+	B46	95	+28	+	+	+	+	+					
Phelan, Donna	3	98	+	+	+	+	+	+	97	+	+51	+		97	+	+	+	+	+	+		99	+	+	+	+	+	+	CX16				
Pidwell, Dian	2	95	+	+	+	+	+	+	95	+	+53	+	5102	95	+	+	+11	+	+	+	1508	95	+	+	+	+	+	+	B39V				
Pollack, Mari	3	98	+	+	+	+	+	+	99	+	+53	+		98	+	+	+	+	+	+		99	+28	+	+	+	+	+					
Rajczyk, Katal	3	95	+	+	+	+	+	+	95	+	+	+		95	+	+	+15	+	+	+		95	+28	+	+	+	+	+	B38				
Rosen-Bronso	2	90	+	+	+	+	+	+	90	+	+53	+		90	+	+	+	+	+	+		90	+	+	+	+	+	+					
Rosenberg, J.	2	92	+	+	+	+	+	+	92	+	+	+		92	+	+	+	+10	+	+	B46	92	+	+	+	+	+	+					
Rubocki, Rona	2	97	+	+	+	+	+	+	99	+	+	+		98	+	+	+	+	+	+		99	+	+	+	+	+	+					
Sauer, Guttwa	6	95	+	+	+	+	+	+	95	+	+	+		90	+	+	+	+	+	+		95	+	+	+	+	+	+					
Semana MD, Gi	10	99	+	+	+	+	+	+	99	+	+	+		99	+	+	+	+	+	+	B46	99	+2816	+	+	+	+	+					
Sperry, Roxan	2	98	+	+	+	+	+	+	98	+	+	+		98	+	+	+	+W9	+	+		98	+28	+	+	+	+	+					
Stamm, Luz	3	98	+	+	+	+	+	+	98	+	+53	+		98	+	+	+	+W9	+	+		98	+	+	+	+	+	+					
Tagliere, Jac	1	100	+	+	+	+	+	+	100	+	+53	+		100	+	+	+	+	+	+		100	+	+	+	+	+	+					
Tiercy, Jean-	6	90	+	+	+	+	+	+	95	+	+	+																					
Tilanus, Marc	**	90	+	+	+	+	+	+	90	+	+	+		90	+	+	+15	+	+	+		90	+2816	+	+	+	+	+					
Varnavidou-N	8	98	+	+	+	+	+	+	98	+	+	+		98	+	+	+	+	+	+		98	+	+	+	+	+	+					
Vidan-Jeras,	8	85	+	+	+	+	+	+	90	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	+	+					
Walter Reed	2	97	+	+	+	+	+	+	97	+	+53	+	CW6	97	+	+	+15	+	+	+	1508	97	+28	+	+	+	+	+	B39V				
Ward, Osowski	2	99	+	+	+	+	+	+	99	+	+	+		99	+	+	+	+	+	+		99	+	+	+	+	+	+					
Watkins, Davi	7	80	+	+	+	+	+	+	90	+	+	+	2403	95	+	+	+	+	+	+	B46	90	+28	+	+	+	+	+	B39S,CW3				
Wetmore, Mari	6	98	+	+	+	+	+	+	99	+	+52	+		99	+	+	+	+	+	+	B46	99	+28	+	+	+	+	+					
Wisecarver, J	6	95	+	+	+	+	+	+	95	+	+53	+		95	+	+	+	+	+	+		98	+28	+	+	+	+	+	B38				

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

(HISP)  
 \*\*\*\* CELL 1325 \*\*\*\*  
 (77 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 A24 100.0%  
 (100.0%)  
  
 B27 100.0%  
  
 B39 93.5%  
 B16 1.3%  
 ( 94.8%)  
  
 CW2 64.9%  
  
 CW7 59.7%  
  
 BW4 92.2%  
  
 BW6 90.9%

(OTHERS FOUND)  
 B38 1.3%  
 B15 1.3%  
 2403 1.3%  
 B67 1.3%

(CAUC)  
 \*\*\*\* CELL 1326 \*\*\*\*  
 (77 SAMPLES TYPED)  
 A2 100.0%  
 (100.0%)  
  
 B51 100.0%  
 (100.0%)  
  
 B51X 1.3%  
 B51 2.6%  
 B52 2.6%  
 B53 26.0%  
 5102 3.9%  
 B5 1.3%  
 ( 37.7%)  
  
 CW4 63.6%  
  
 BW4 92.2%

(OTHERS FOUND)  
 B35 2.6%  
 BW6 2.6%  
 CW1 2.6%  
 5105 2.6%  
 A68 1.3%  
 A28 1.3%  
 CW7 1.3%  
 CW6 1.3%

(CHIN)  
 \*\*\*\* CELL 1327 \*\*\*\*  
 (77 SAMPLES TYPED)  
 A11 93.5%  
 11.1 1.3%  
 1101 3.9%  
 ( 98.7%)  
  
 A24 98.7%  
 ( 98.7%)  
  
 B59 90.9%  
  
 B75 49.4%  
 1511 10.4%  
 B15 24.7%  
 ( 84.4%)  
  
 CW1 63.6%  
  
 CW3 54.5%  
 CW9 7.8%  
 CW10 1.3%  
 ( 63.6%)  
  
 BW4 87.0%  
  
 BW6 88.3%

(OTHERS FOUND)  
 B46 10.4%  
 1508 3.9%  
 B62 2.6%  
 B15V 2.6%  
 B77 1.3%  
 1511 1.3%  
 B5 1.3%  
 B54 1.3%

(HISP)  
 \*\*\*\* CELL 1328 \*\*\*\*  
 (76 SAMPLES TYPED)  
 A24 98.7%  
 ( 98.7%)  
  
 A68 60.5%  
 A28 35.5%  
 ( 96.1%)  
  
 B39 78.9%  
 B16 10.5%  
 ( 89.5%)  
  
 B44 97.4%  
 ( 97.4%)  
  
 CW7 61.8%  
  
 BW4 90.8%  
  
 BW6 86.8%

(OTHERS FOUND)  
 B38 10.5%  
 CX16 2.6%  
 B39V 2.6%  
 3905 1.3%  
 A2 1.3%  
 B45 1.3%  
 B44V 1.3%  
 A68S 1.3%  
 CW3 1.3%  
 B39S 1.3%