REPORT OF THE 347th CELL EXCHANGE

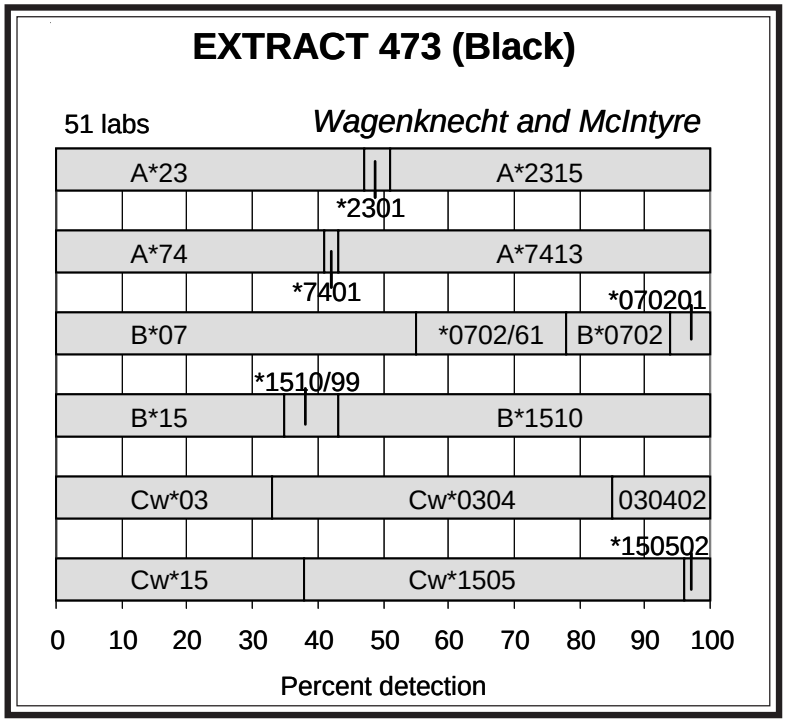
MARCH 10, 2010

DNA Extract	**473-476**
Cells	**1385-1388**

Extract Exchange

We wish to acknowledge **Dawn Wagenknecht, John McIntyre, and the HLA Vascular Biology Laboratory Staff, St. Francis Hospital, Beech Grove, Indiana**, for their efforts in providing the provocative cell with the unusual A-locus alleles, A*2315 and A*7413, both typed for the first time in the Cell Exchange. This cell, BY00459, serves as a reference cell for these 2 alleles.

The other 3 samples in this month's study were initially typed in the International HLA DNA Exchange in 1996, and one was retyped in 2000 in the Cell Exchange.



Extract 473. Two rare A-locus alleles, A*2315 and A*7413, were studied in this cell from a Black individual.

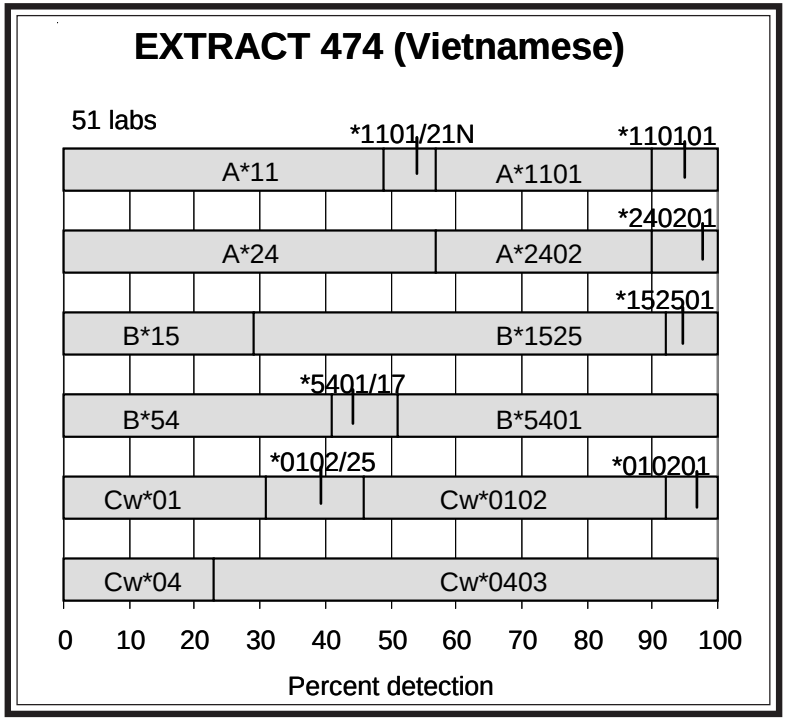
A*2315 was detected by 49%. Lazaro et al. (1) described this novel sequence as being most homologous to A*2301, with one difference at codon 141 (CAG->GAG). In regards to the resulting amino acid change of glutamine to glutamic acid (Q->E), Lazaro et al. stated, "Glutamic acid (GAG) at codon 141 is unique to allele A*2315."

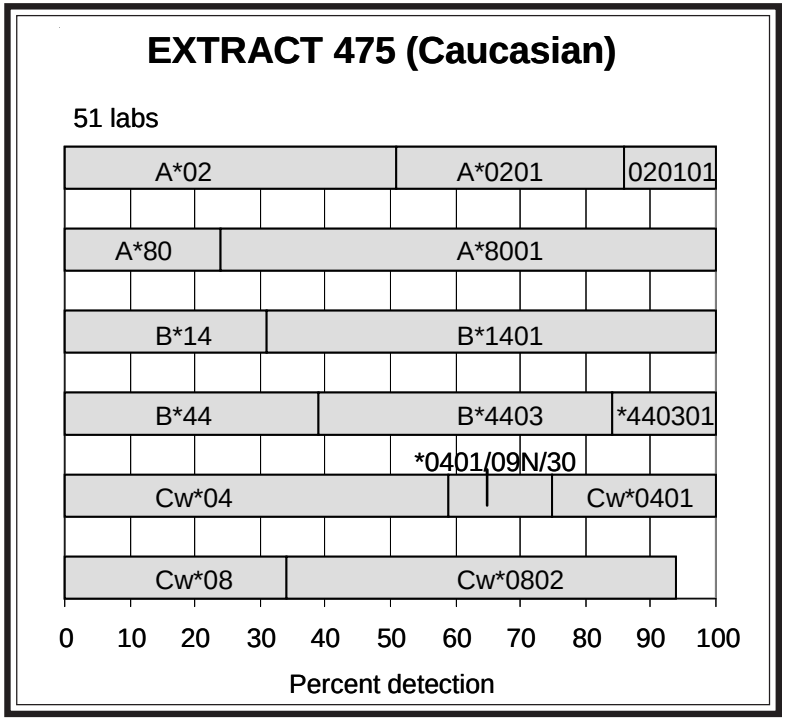
The second A-locus allele, A*7413, was assigned by 57%. A*7413 has one substitution from A*7401, at codon 70 (CAC->CAG) in exon 2, with an amino acid change of histidine to glutamine (H->Q).

B*0702 (32%) and B*1510 (59%) were the B-locus alleles.

The C-locus types were Cw*0304 (*030402) (67%) and Cw*1505 (62%).

B*0702-Cw*1505 and B*1510-Cw*0304 were the probable associations in this cell.





Extract 474. Alleles commonly found in Asians were present in this cell from a Vietnamese donor. This donor was previously typed as DNA#120 in the International HLA DNA Exchange, as noted by Moses and Dunckley.

The B-locus alleles were B*1525 (71%) and B*5401 (49%). B*1525 was also typed in extracts 244 from a Filipino donor (also cells 1007, 1038, 1088, 1176, 1286) and 370 from an Asian donor (also cell 1285, 1333).

Both A*1101 (*110101) and A*2402 (*240201) were assigned by 43%.

Cw*0102 (54%) and Cw*0403 (77%) were typed as the C-locus alleles.

The strong associations of B*1525-Cw*0403 and B*5401-Cw*0102 were present in this cell.

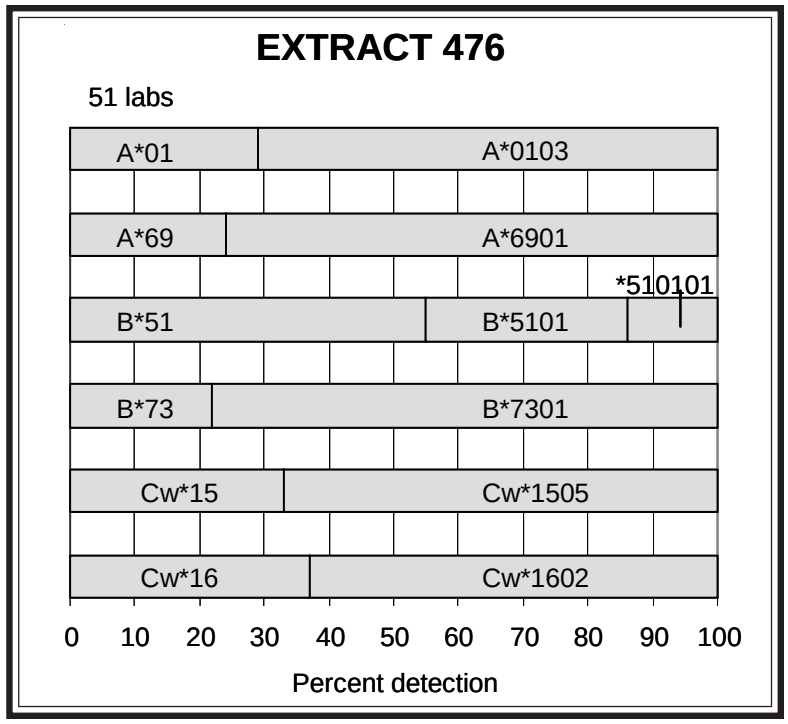
Extract 475. This Caucasian donor was initially studied as DNA#126 in the International HLA DNA Exchange, as correctly identified by Moses and Dunckley. The cell was typed again as extract 123 (2000), as correctly identified by Barnardo, Brown, and Moses and Dunckley. In this present retyping, A*8001 was detected by 76%. It was somewhat unexpected to find A*8001 in a Caucasian individual.

B*1401 was reported by 69%.

B*4403 (B*440301) (61%) was the other B-locus type.

The C-locus types were Cw*0401 (25%) and Cw*0802 (58%).

The likely haplotypes in this donor were A*0201-B*1401-Cw*0802 and A*8001-B*4403-Cw*0401.



Extract 476. This cell was UCLA 144, one of the reference cells for A*0103, as correctly identified by Brown. This cell was previously typed as DNA#144 in the International HLA DNA Exchange, as identified by Moses and Dunckley, and P. Dunn. Although no ethnic information was available for this donor, several of the detected alleles, such as B*7301 or A*0103, suggest that this donor may be Hispanic or Caucasian, since these types are found predominantly in these populations.

B*7301 (78%) was detected by the majority of the labs.

B*5101 (*510101) was the second B-locus type.

A*0103 (71%) and A*6901 (76%) were the A-locus types.

Cw*1505 (67%) and Cw*1602 (63%) were reported as the C-locus alleles.

The probable associations were B*7301-Cw*1505 and B*5101-Cw*1602. The NMDP Bioinformatics web site (http://bioinformatics.nmdp.org/HLA/) lists B*7301 as being found only with Cw*1505, with the frequencies as 0.00137 in Hispanics and 0.00016 in Caucasians. A total of 8 exchange cells (extracts 30, 90, 179, 228, 419 and cells 911, 1057, 1073) has been typed as B*7301. The same B*7301-Cw*1505 was detected in all these exchange cells, with the exception of cell 1057 from an Hispanic donor, in which B*7301-Cw*1502 was typed.

Cell Exchange

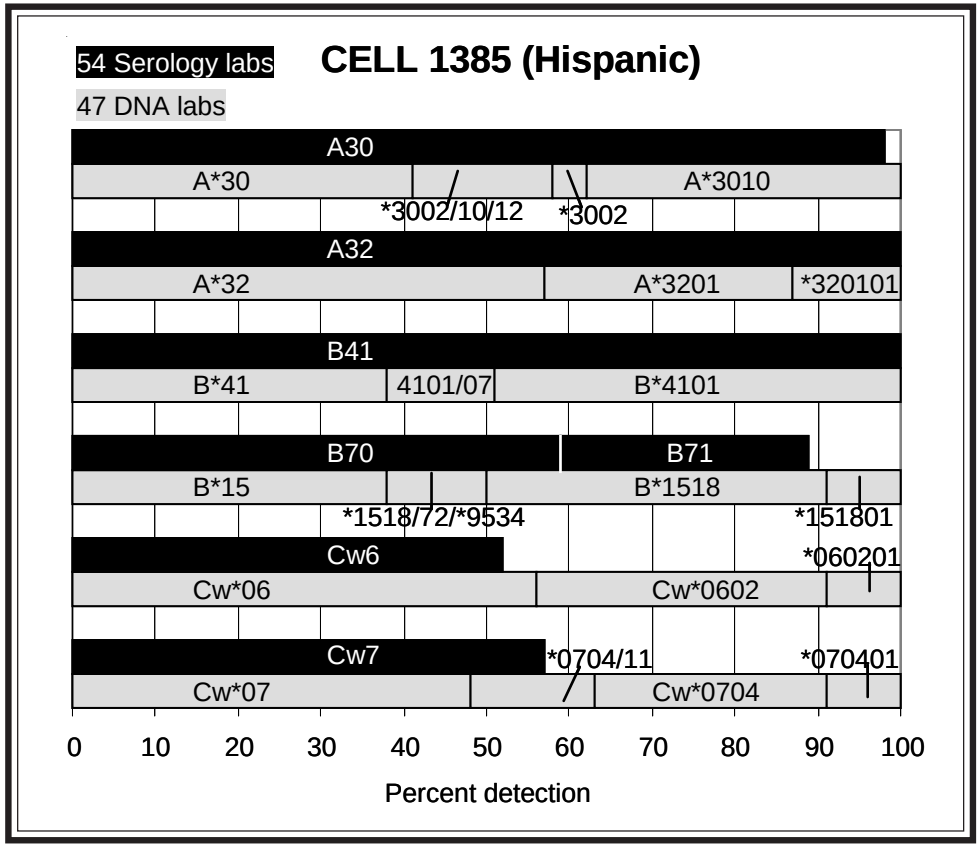
Cell 1385. A*30 (98%) was well detected in this cell from an Hispanic individual. A rare A*30 allele was reported, with A*3010 assigned by 38%. A*3002/10/12 was also assigned by 11% and A*3002/10 by 6%. There is only one difference between A*300201 and A*3010, in codon 99, exon 3 (TAT->CAT), resulting in an amino change of tyrosine to histidine (Y->H). A*3010 was typed for the first time in the Cell Exchange.

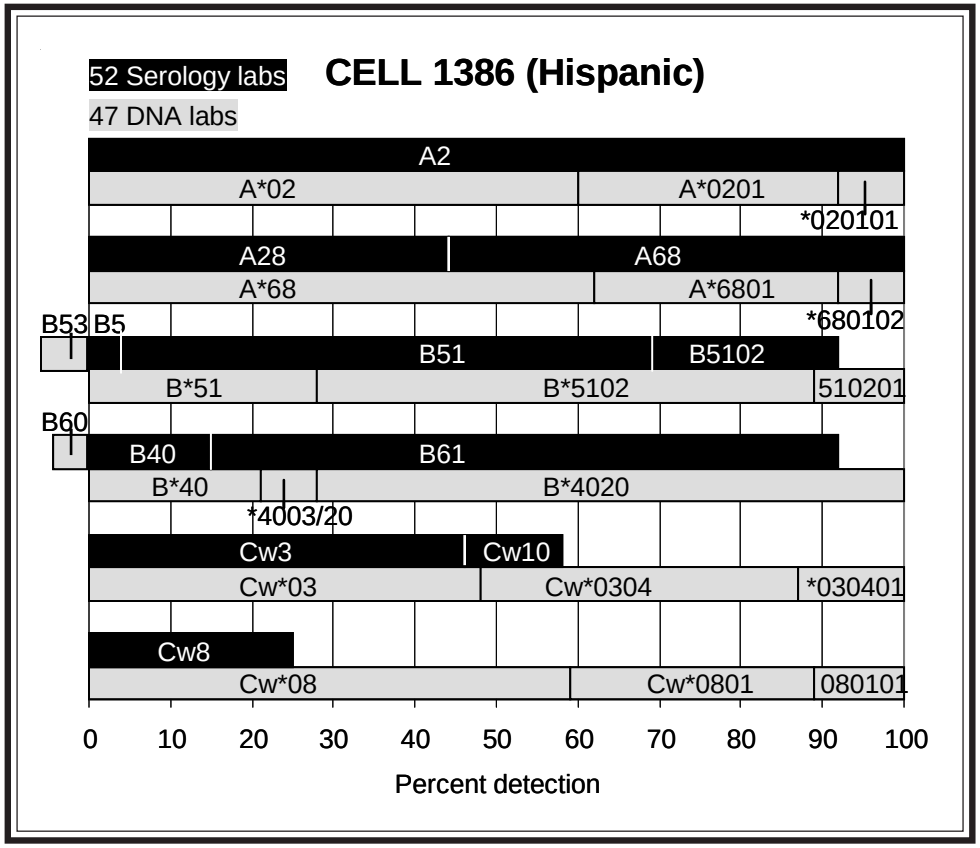
A32 was unanimously typed as the second A-locus antigen, confirmed as A*3201 (43%).

B70 was typed by 89%, with the B71 (30%) split verified as B*1518 (50%).

The second B-locus type was B41 (100%) and B*4101 (49%).

The probable haplotypes in this cell were A*3010-B*4101-Cw*0602 and A*3201-B*1518-Cw*0704. The NMDP Bioinformatics web site listed A*3010 as being found only in association with B*4101 and Cw*0602, with the haplotype frequency as 0.00086, detected only in Hispanics.





Cell 1386. B61 was reported by 77% for this Hispanic cell. Askar and Pidwell noted a variant and McCluskey commented that the B61 crossreacted with B60+B48 antisera. The rare B*4020 was detected by 72% and another 7% assigned B*4003/20. According to Pimtanothai et al. (2), B*4020 is most similar to B*4003, except at codon 97 (AGC-> AGG), with an amino acid change from serine to arginine (S->R). Both B*4020 reference cells 010818557 and 290-596 were from Hispanic donors. This was the first time that B*4020 was typed in the Cell Exchange.

A B5 variant was also present, as B51 (65%) and B5102 (23%) were assigned, with comments of a short B5 variant from Holdsworth, McCluskey, and Askar and Pidwell. A total of 72% confirmed the variant as B*5102.

A2 (100%) and A68 (56%) were corroborated as A*0201 (40%) and A*6801 (38%), respectively.

The C-locus types were Cw3 (58%) with the split as Cw10, and Cw8 (25%). Cw*0304 (52%) and Cw*0801 (41%) were assigned.

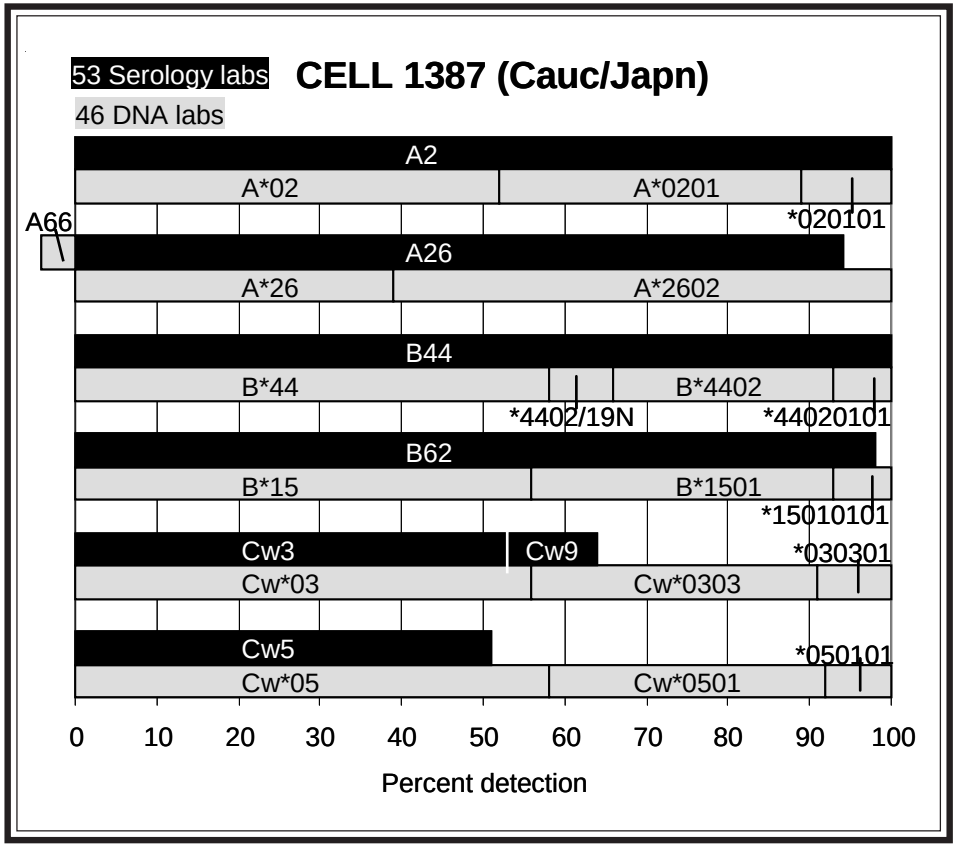
The likely haplotypes in this cell were A*0201-B*5102-Cw*0801 and A*6801-B*4020-Cw*0304. The strong B*5102-Cw*0801 association is found in Hispanics and Native Americans. A*68-B*4020 was typed in both B*4020 reference cells listed in the IMGT/HLA Database.

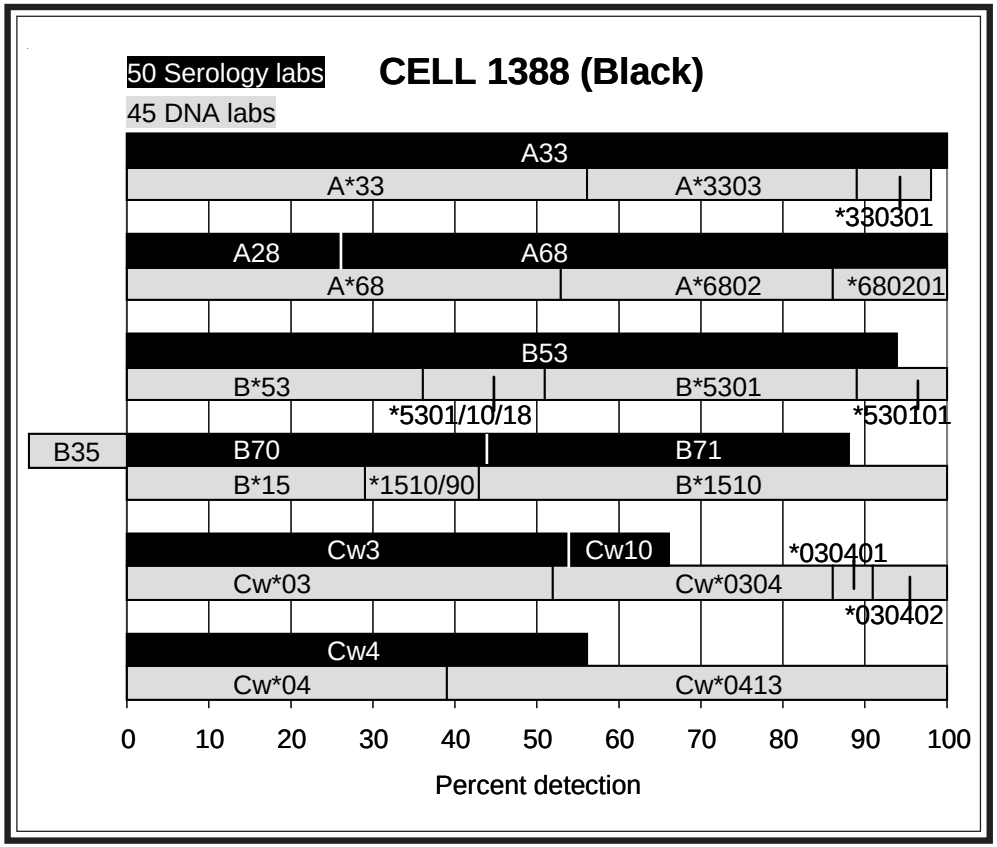
Cell 1387. A26 was assigned by 94% and A*2602 by 61% for this donor of mixed ethnicity, being Caucasian and Japanese. This was the third A*2602 cell donor typed in the Cell Exchange, the previous donors being cells 1247 (Japn/Cauc) (also extract 430) and 1309 (also cell 1259) from a Korean individual.

B44 (100%) and B62 (98%) were well typed and confirmed as B*4402 and B*1501, respectively.

Cw3 (64%), with the Cw9 (11%) split, was confirmed as Cw*0303 (44%). The other C-locus type was Cw5 (51%), verified as Cw*0501 (42%).

The haplotypes in this donor may be A*0201-B*4402-Cw*0501, frequently found in Caucasians, with HF=0.0548, and A*2602-B*1501-Cw*0303, with HF=0.00177 in Asian populations.





Cell 1388. The typing of this Black donor brought into focus the unusual C-locus antigens. Cw4 was present, as assigned by 56%. Cw*0413, reported by 61%, was typed for the first time in the Cell Exchange. Lebedeva et al. (3) described the sequence of this novel variant, "Cw*0413, identified in 3 African Americans, differs from Cw*0404 leading to substitution of Glu^{152} to Ala^{152}, a polymorphism not seen in the Cw*04 group." All 4 reference Cw*0413 cells listed in the IMGT/HLA Database were from Black individuals.

The other C-locus type was Cw3 (66%), with 12% assigning Cw10. Cw*0304 was reported by 48%, with Cw*030401 given by 5% and Cw*030402 by 9%. Semana commented that a new Cw*03 may be present, finding A instead of G in exon 5, position 979, which resulted in an amino acid change of valine to methionine (V->M).

B53 was typed by 94% and confirmed as B*5301 (49%).

The second B-locus antigen was B70 (88%), with 44% assigning the B71 split. B*1510 was reported by 57%.

A33 and A28 were assigned in complete agreement, with 74% assigning A68, and confirmed as A*3303 (42%) and A*6802 (47%), respectively.

B53-Cw4 and B71-Cw10 are known strong associations found in Black populations. Therefore, B*5301-Cw*0413 and B*1510-Cw*0304 were the likely associations in this present cell. B*5301-Cw*0413 was also present in 2 of the 4 reference cells for this rare allele.

We plan to study this interesting donor again in the near future.

References

1. Lazaro AM, Xiao Y, Regenscheid, et al. Characterization of 104 novel alleles at the HLA-A, -B, and -DRB1 loci from the National Marrow Donor Program volunteer donors. Tissue Antigens 2009;73:364.

2. Pimtanothai N, Rizzuto GA, Slack R, et al. Diversity of alleles encoding HLA-B40: Relative frequencies in United States populations and description of five novel alleles. Hum Immunol 2000;61:808.

3. Lebedeva TV, Ohashi M, Huang A, et al. Emerging new alleles suggest high diversity of HLA-C locus. Tissue Antigens 2005;65:101.

NEXT MAILING DATE: APRIL 7, 2010

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Gideoni_LR,	Haifa		Mytilineos MD,Joanni	Ulm		Yu_Neng/UMMHC,	Worcester	MA
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	INVESTIGATOR	DNA EXTRACT #473 (Black)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*23	*74	*07	*15	*030402	*1505	RVSSO,SBT
8062	Al-Attas,Rab	*23	*74	*07	*15	*03	*15	
745	Anthony Nola	*2315	*7413	*070201	*1510	*030402	*150502	SSO,SSP,SBT
5133	Baker,Judy	*2301	*7413	*070201/61	*1510	*030402	*1505	SSP,SBT
2020	Barnardo,Mar	*2315	*7413	*070201/61	*1510	*030402	*1505	PCR-SSP,SBT
4345	Blasczyk,Rai	*2315	*7413	*0702/44/49N/58+	*1510	*0304	*1505	PCR-SBT
5106	Brown,Colin	*23	*74	*0702	*1510	*0304	*1505	
785	Chan,Soh Ha	*2315	*7413	*0702/26/44/49N+	*1510/99	*0304	*1505	SBT
3224	Chen,Dongfen	*2315	*7413	*0702/61	*1510	*0304	*1505	SBT,RSSO,SSP
8021	Clark,Brenda	*2301/04-08N+	*7401-05+	*0702/04/10+	*1510/37/90+	*0302/0401-0406+	*1502-06+	PCR-SSP
5219	Daniel,Dolly	*23	*74	*07	*15			PCR-SSOP
5891	Du,Keming	*2315	*7401	*0702/61	*1510	*0304	*1505	
3186	Dunckley,Hea	*23	*74	*07	*1510/37/90/99+	*0304-06/08-10+	*15	SSP
3766	Dunn,Paul	*23	*7413	*07	*1510/99	*03	*15	SSO
3428	Eckels/Utah	*2315/16	*7401/02	*07	*1510	*0304/38	*1505/06/09	
4251	Ellis,Thomas	*2315	*7413	*0702/61	*1510	*0304	*1505	PCR-SSO,SEQ
762	Fischer&Mayr	*2315	*7413	*0702/44/49N/58+	*1510	*03	*15	RVSSO,SBT1-3
3135	Fischer,John	*2315	*7413	*0702	*1510	*0304	*1505	PCR-SSO,SBT
234	Gomez,Carmen	*23	*74	*07	*15	*03	*15	SSP
5195	Gomez,Carmen	*23	*74	*07	*15	*03	*15	SSOP
4691	Hajeer,Ali	*23	*74	*07	*15	*03	*15	
810	Hamdi,Nuha	*2301	*7413	*070201	*1510	*030401	*150502	SSO
1461	Hidajat,Mela	*2315	*7413	*0702	*1510	*0304	*1505	SSO,SSP
615	Holdsworth,R	*2315	*7413	*0702/44/49N/58+	*1510	*0304	*1505	SBT
2344	Hurley&Hartz	*2315	*7413	*070201/0206+	*151001	*030402	*150501-0503	SBT
748	Jaramillo,An	*23	*74	*07	*15(B71)	*03(Cw10)	*15	PCR-SSO
797	Kato,Shunich	*2315	*7413	*0702/61	*1510	*0304	*1505	SSO,SBT
2847	Kihara,Masaa	*23	*74	*07	*15	*03	*15	RVSSO
87	Land,Geoff	*2315	*7413	*0702	*1510	*0304	*1505	SSO,SSP,SBT
278	Lee,Jar-How	*2315/16	*7413	*0702/61	*1510	*0304	*1505/06	SSP,RVSSOP
640	Lee,Kyung Wh	*2315	*7413	*0702/61	*1510	*030402	*1505	PCR-SBT
1108	Linke,Robert	*2301/11N	*7401/13	*0702	*1501	*0304	*1505	SSO
9916	McIntyre,Joh	*2315	*7413	*070201	*1510	*0304	*1505/22	SSP,SBT
794	Merenmies,Ju	*2315	*7413	*0702/61	*1510	*0304	*1505	SBT,SSO,SSP
8042	Muncher,Lior	*23	*74	*07	*15	*0304	*1505	SSOP,SSP
8022	Olerup,Olle	*2315	*7413	*0702	*1510	*0304	*1505	SSP
8065	Padua,Florec	*23	*7413	*07	*(B71)			SSP
5096	Park,Yun Mi	*23	*74	*07	*15			PCR-SSO
3648	Pereira,Noem	*2315	*7413	*0701G	*1510	*0304	*1505	RSSO,SSP,SBT
3966	Permpikul&Ve	*23	*74	*07	*1510	*03	*15	PCR-SSP
2400	Phelan,Donna	*2301/15	*7401/13	*0702	*1510	*0304	*1505	RSSO,SBT,SSP
3753	Reed,Elaine	*2315	*7413	*0702/26/61	*1510/99	*0304	*1505	SBT
3625	Rees,Tracey	*23	*74	*07	*15	*03	*1505	PCR-SSP
3798	Reinsmoen,N	*2315	*7413	*070201/61	*1510	*030402	*1505	SSP,RSSO,SBT
1694	Sauer&Gottwa	*23	*74	*07	*15	*03	*15	
3545	Scornik,Juan	*2315	*7413	*0702/61	*1510	*0304	*1505	SSOP,SBT
735	Smith/MI	*2315	*7413	*0702/26/61	*1510/99	*0304	*1505	SEQ,SSP,RSSO
13	Tagliere,Jac	*2315	*7413	*0702	*1510	*0304	*1505	
4021	Trachtenberg	*23	*74	*07	*15	*03	*15	RVSSOP,SBT
5462	Turner,E.V.	*2315	*7413	*070201/61	*1510	*0304	*1505/09	SEQ,SSO,SSP
789	Walter Reed	*23	*74	*07	*15	*03	*15	SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #474 (Vietnamese) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*11	*24	*152501	*5401	*010201	*0403	RVSSO,SBT
8062	Al-Attas,Rab	*11	*24	*15	*54	*01	*04	
745	Anthony Nola	*1101	*2402	*1525	*5401	*010201	*0403	SSO,SSP,SBT
5133	Baker,Judy	*110101	*240201	*1525	*5401	*0102	*0403	SSP,SBT
2020	Barnardo,Mar	*110101	*24020101	*1520/25	*5401/05/08/10+	*0102/25	*0403	PCR-SSP,SBT
4345	Blasczyk,Rai	*1101/21N	*2402/02L/09N/11N+	*1525	*5401/17	*0102/25	*0403	PCR-SBT
5106	Brown,Colin	*11	*24	*1525	*5401	*0102	*0403	
785	Chan,Soh Ha	*11	*24	*1525	*5401/17	*0102/25	*0403	SBT
3224	Chen,Dongfen	*1101	*2402	*1525	*5401	*0102	*0403	SBT,RSSO,SSP
8021	Clark,Brenda	*1101/02/05-07+	*2402/03/07+	*150101-0104+	*5401/02/05N/07+	*0102/03/06-11+	*040101-0104+	PCR-SSP
5219	Daniel,Dolly	*11	*24	*15	*54			PCR-SSOP
5891	Du,Keming	*1101	*2402	*1525	*5401	*0102	*0403	
3186	Dunckley,Hea	*11	*24	*1506/25/39/40+	*54	*01	*04	SSP
3766	Dunn,Paul	*11	*24	*1525	*54	*01	*0403	SSO
3428	Eckels/Utah	*11	*24	*1525	*5401/13/17	*0102	*0403	
4251	Ellis,Thomas	*1101	*2402	*1525	*5401	*0102	*0403	PCR-SSO,SEQ
762	Fischer&Mayr	*1101/21N	*2402/09N/11N/40N+	*1525	*5401/17	*0102/25	*0403	RVSSO,SBT1-3
3135	Fischer,John	*1101	*2402	*1525	*5401	*0102	*0403	PCR-SSO,SBT
234	Gomez,Carmen	*11	*24	*15	*54	*01	*04	SSP
5195	Gomez,Carmen	*11	*24	*1525	*54	*01	*0403	SSOP
4691	Hajeer,Ali	*11	*24	*15	*54	*01	*04	
810	Hamdi,Nuha	*110101	*24020101	*1525	*5401	*010201	*0403	SSO
1461	Hidajat,Mela	*1101	*2402	*1525	*5401	*0102	*0403	SSO,SSP
615	Holdsworth,R	*1101/21N	*2402/09N/11N/40N+	*1525	*5401/17	*0102/25	*0403	SBT
2344	Hurley&Hartz	*110101/21N	*24020101/020102L+	*1525	*5401/17	*010201/0202/25	*0403	SBT
748	Jaramillo,An	*11	*24	*15(B62)	*54	*01	*04	PCR-SSO
797	Kato,Shunich	*1101	*2402	*1525	*5401	*0102	*0403	SSO,SBT
2847	Kihara,Masaa	*11	*24	*15	*54	*01	*04	RVSSO
87	Land,Geoff	*1101	*2402	*1525	*5401	*0102	*0403	SSO,SSP,SBT
278	Lee,Jar-How	*1101/21N/30/32/36	*2402/76/78/79	*1525	*5401/13/17	*0102	*0403	SSP,RVSSOP
640	Lee,Kyung Wh	*1101/19	*2402/07	*1525	*5401	*0102	*0403	PCR-SBT
1108	Linke,Robert	*1101	*2402	*1525	*5401	*0102	*0403	SSO
9916	McIntyre,Joh	*1101	*2402	*152501	*5401	*0102/25-33	*0403	SSP,SBT
794	Merenmies,Ju	*1101	*2402	*1525	*5401	*0102	*0403	SBT,SSO,SSP
8042	Muncher,Lior	*11	*24	*15	*54	*0102	*0403	SSOP,SSP
8022	Olerup,Olle	*1101	*2402	*1525	*5401	*0102	*0403	SSP
8065	Padua,Florec	*11	*24	*15(B62)	*54			SSP
5096	Park,Yun Mi	*11	*24	*15	*54			PCR-SSO
3648	Pereira,Noem	*1101	*2402/02L	*1525	*5401	*0102	*0403	RSSO,SSP,SBT
3966	Permpikul&Ve	*11	*24	*1525	*54	*01	*04	PCR-SSP
2400	Phelan,Donna	*1101	*2402	*1525	*5401	*0102	*0403	RSSO,SBT,SSP
3753	Reed,Elaine	*1101/04/19/27/39	*2402/03/07/10/46	*1525	*5401	*0102	*0403	SBT
3625	Rees,Tracey	*11	*24	*15	*54	*01	*0403/16	PCR-SSP
3798	Reinsmoen,N	*110101	*240201/01L	*152501	*5401	*010201	*0403	SSP,RSSO,SBT
1694	Sauer&Gottwa	*11	*24	*15	*54	*01	*04	
3545	Scornik,Juan	*1101	*2402	*1525	*5401	*0102	*0403	SSOP,SBT
735	Smith/MI	*1101	*2402	*1525	*5401	*0102/25	*0403	SEQ,SSP,RSSO
13	Tagliere,Jac	*1101	*2402	*1525	*5401	*0102	*0403	
4021	Trachtenberg	*11	*24	*1525	*54	*01	*0403	RVSSOP,SBT
5462	Turner,E.V.	*110101	*240201	*152501	*5401	*0102	*0403	SEQ,SSO,SSP
789	Walter Reed	*11	*24	*15	*54	*01	*04	SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #475 (Caucasion) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*020101	*8001	*1401	*440301	*04	*08	RVSSO,SBT
8062	Al-Attas,Rab	*02	*80	*14	*44	*04	*08	
745	Anthony Nola	*0201	*8001	*1401	*440301	*040101	*080201	SSO,SSP,SBT
5133	Baker,Judy	*020101	*8001	*1401	*440301	*040101/09N/28+	*0802	SSP,SBT
2020	Barnardo,Mar	*02010101/010102L	*8001	*1401	*440301	*0401/28/30/41	*0802	PCR-SSP,SBT
4345	Blasczyk,Rai	*0201/01L/09/43N+	*8001	*1401	*4403	*0401/09N/28/30+	*0802	PCR-SBT
5106	Brown,Colin	*02	*8001	*1401	*44	*04	*0802	
785	Chan,Soh Ha	*02	*8001	*1401	*4403	*0401/09N/28-30+	*0501/03/20	SBT
3224	Chen,Dongfen	*0201	*8001	*1401	*4403	*0401/30	*0802	SBT,RSSO,SSP
8021	Clark,Brenda	*020101-0104/0106+	*8001	*1401/07N	*4403/04/07+	*040101-0104+	*0802/04/05+	PCR-SSP
5219	Daniel,Dolly	*02	*80	*14	*44			PCR-SSOP
5891	Du,Keming	*0201	*8001	*1401	*4403	*0401	*0802	
3186	Dunckley,Hea	*02	*80	*1401/04/07N	*44	*04	*08	SSP
3766	Dunn,Paul	*02	*8001	*1401	*44	*04	*08	SSO
3428	Eckels/Utah	*02	*8001	*1401	*4403	*04	*0802/17	
4251	Ellis,Thomas	*0201	*8001	*1401	*4403	*0401/30	*0802	PCR-SSO,SEQ
762	Fischer&Mayr	*0201	*8001	*1401	*4403	*0401/09N/28/30+	*0802	RVSSO,SBT1-3
3135	Fischer,John	*0201/01L	*8001	*1401	*4403	*0401/09N/30	*0802	PCR-SSO,SBT
234	Gomez,Carmen	*02	*80	*14	*44	*04	*08	SSP
5195	Gomez,Carmen	*02	*8001	*1401	*44	*04	*08	SSOP
4691	Hajeer,Ali	*02	*80	*14	*44	*04	*05/*08	
810	Hamdi,Nuha	*02010101	*8001	*1401	*440301	*04010101	*0802	SSO
1461	Hidajat,Mela	*0201/89	*8001	*1401	*4403	*0401	*0802	SSO,SSP
615	Holdsworth,R	*0201/09/43N/66/75+	*8001	*1401	*4403	*0401/09N/28/30+	*0802	SBT
2344	Hurley&Hartz	*02010101/010102L+	*8001	*1401	*440301/0303/0304	*04010101+	*0802	SBT
748	Jaramillo,An	*02	*80	*14(B64)	*44	*04	*08	PCR-SSO
797	Kato,Shunich	*0201	*8001	*1401	*4403	*0401/09N/30	*0802	SSO,SBT
2847	Kihara,Masaa	*02	*80	*14	*44	*04	*08	RVSSO
87	Land,Geoff	*0201	*8001	*1401	*4403	*0401	*0802	SSO,SSP,SBT
278	Lee,Jar-How	*0201/97/*9221/32	*8001	*1401	*4403/36/38	*0401	*0802	SSP,RVSSOP
640	Lee,Kyung Wh	*0201	*8001	*1401	*4403	*0401/09N/30	*0802	PCR-SBT
1108	Linke,Robert	*0201	*8001	*1401	*4403	*0401	*0802	SSO
9916	McIntyre,Joh	*020101	*8001	*1401	*440301	*0401/38-41/43+	*0802/17/19+	SSP,SBT
794	Merenmies,Ju	*0201	*8001	*1401	*4403	*0401/30	*0802	SBT,SSO,SSP
8042	Muncher,Lior	*02	*80	*14	*44	*0401	*0802	SSOP,SSP
8022	Olerup,Olle	*0201	*8001	*1401	*4403	*0401	*0802	SSP
8065	Padua,Florec	*02	*80	*14(B64)	*44			SSP
5096	Park,Yun Mi	*02	*80	*14	*44			PCR-SSO
3648	Pereira,Noem	*0201/01L	*8001	*1401	*4403	*0401G	*0802	RSSO,SSP,SBT
3966	Permpikul&Ve	*02	*8001	*14	*44	*04	*08	PCR-SSP
2400	Phelan,Donna	*0201	*8001	*1401	*4403	*0401	*0802	RSSO,SBT,SSP
3753	Reed,Elaine	*0201	*8001	*1401	*4403	*0401/09N/10/29+	*0802/05/28+	SBT
3625	Rees,Tracey	*02	*8001	*14(B64)	*44	*04	*08	PCR-SSP
3798	Reinsmoen,N	*020101/01L	*8001	*1401	*440301	*040101/30	*0802	SSP,RSSO,SBT
1694	Sauer&Gottwa	*02	*80	*14	*44	*04	*08	
3545	Scornik,Juan	*0201	*8001	*1401	*4403	*0401/09N/30	*0802	SSOP,SBT
735	Smith/MI	*0201/01L	*8001	*1401	*4403	*0401/28/30/33+	*0802/28	SEQ,SSP,RSSO
13	Tagliere,Jac	*0201	*8001	*1401	*4403	*0401	*0802	
4021	Trachtenberg	*02	*8001	*1401/07N	*44	*04	*0802	RVSSOP,SBT
5462	Turner,E.V.	*020101	*8001	*1401	*440301	*0401	*0802	SEQ,SSO,SSP
789	Walter Reed	*02	*80	*14	*44	*04	*08	SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #476 A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*0103	*6901	*510101	*7301	*1505	*1602	RVSSO,SBT
8062	Al-Attas,Rab	*01	*69	*51	*73	*15	*16	
745	Anthony Nola	*0103	*6901	*510101	*7301	*150501	*1602	SSO,SSP,SBT
5133	Baker,Judy	*0103	*6901	*510101	*7301	*1505	*1602	SSP,SBT
2020	Barnardo,Mar	*0103	*6901	*510101	*7301	*1505	*1602	PCR-SSP,SBT
4345	Blasczyk,Rai	*0103	*6901	*5101/11N/30/32+	*7301	*1505	*1602	PCR-SBT
5106	Brown,Colin	*0103	*6901	*51	*7301	*1505	*1602/09	
785	Chan,Soh Ha	*0103	*6901	*5101/11N/30/32+	*7301	*1505	*1602	SBT
3224	Chen,Dongfen	*0103	*6901	*5101	*7301	*1505	*1602	SBT,RSSO,SSP
8021	Clark,Brenda	*0103/07	*6901	*510101-0103+	*7301	*1502-06+	*1602/06/07+	PCR-SSP
5219	Daniel,Dolly	*01	*69	*51	*73			PCR-SSOP
5891	Du,Keming	*0103	*6901	*5101	*7301	*1505	*1602	
3186	Dunckley,Hea	*01	*69	*51	*73	*15	*16	SSP
3766	Dunn,Paul	*0103	*6901	*51	*7301	*1504-06/09/18+	*1602/09/12	SSO
3428	Eckels/Utah	*0103	*6901	*51	*7301	*1504/05	*1602/12	
4251	Ellis,Thomas	*0103	*6901	*5101	*7301	*1505	*1602	PCR-SSO,SEQ
762	Fischer&Mayr	*0103	*6901	*5101/11N/30/32+	*7301	*1505	*1602	RVSSO,SBT1-3
3135	Fischer,John	*0103	*6901	*5101	*7301	*1505	*1602	PCR-SSO,SBT
234	Gomez,Carmen	*01	*69	*51	*73	*15	*16	SSP
5195	Gomez,Carmen	*0103	*6901	*5102	*7301	*15	*16	SSOP
4691	Hajeer,Ali	*01	*69	*51	*73	*15	*16	
810	Hamdi,Nuha	*0103	*6901	*510101	*7301	*1504	*1602	SSO
1461	Hidajat,Mela	*0103	*6901	*5101/24/32	*7301	*1505	*1602	SSO,SSP
615	Holdsworth,R	*0103	*6901	*5101/11N/30/32+	*7301	*1505	*1602	SBT
2344	Hurley&Hartz	*0103	*6901	*510101/0105+	*7301	*150501-0503	*1602	SBT
748	Jaramillo,An	*01	*69	*51	*73	*15	*16	PCR-SSO
797	Kato,Shunich	*0103	*6901	*5101	*7301	*1505	*1602	SSO,SBT
2847	Kihara,Masaa	*01	*69	*51	*73	*15	*16	RVSSO
87	Land,Geoff	*0103	*6901	*5101	*7301	*1505	*1602	SBT,SSO,SSP
278	Lee,Jar-How	*0103	*6901	*5101/30/48/51+	*7301	*1505	*1602	SSP,RVSSOP
640	Lee,Kyung Wh	*0103	*6901	*5101	*7301	*1505	*1602	PCR-SBT
1108	Linke,Robert	*0103	*6901	*5101	*7301	*1505	*1602/09	SSO
9916	McIntyre,Joh	*0103	*6901	*510101	*7301	*1505	*1601/02/12	SSP,SBT
794	Merenmies,Ju	*0103	*6901	*5101	*7301	*1505	*1602	SBT,SSO,SSP
8042	Muncher,Lior	*01	*69	*51	*73	*1505	*1602	SSOP,SSP
8022	Olerup,Olle	*0103	*6901	*5101	*7301	*1501	*1602	SSP
8065	Padua,Florec	*01	*69	*51	*7301			SSP
5096	Park,Yun Mi	*01	*69	*51	*73			PCR-SSO
3648	Pereira,Noem	*0103	*6901	*5101	*7301	*1505	*1602	RSSO,SSP,SBT
3966	Permpikul&Ve	*01	*6901	*51	*7301	*15	*16	PCR-SSP
2400	Phelan,Donna	*0103	*6901	*5101	*7301	*1505	*1602	RSSO,SBT,SSP
3753	Reed,Elaine	*0103	*6901	*5101	*7301	*1505	*1602	SBT
3625	Rees,Tracey	*0103/20	*6901	*51	*7301	*1505	*16	PCR-SSP
3798	Reinsmoen,N	*0103	*6901	*510101	*7301	*1505	*1602	SSP,RSSO,SBT
1694	Sauer&Gottwa	*01	*69	*51	*73	*15	*16	
3545	Scornik,Juan	*0103	*6901	*5101	*7301	*1505	*1602	SSOP,SBT
735	Smith/MI	*0103	*6901	*5101	*7301	*1505	*1602	SEQ,SSP,RSSO
13	Tagliere,Jac	*0103	*6901	*5101	*7301	*1505	*1602	
4021	Trachtenberg	*0103	*6901	*51	*7301	*15	*16	RVSSOP,SBT
5462	Turner,E.V.	*0103	*6901	*510101/76	*7301	*1505	*1602	SEQ,SSO,SSP
789	Walter Reed	*01	*69	*51	*73	*15	*16	SSP

SUMMARY

Extract 473 (Black)

51 labs

A*23	47%
A*2301	4%
A*2315	49%
A*23	100% TOTAL
A*74	41%
A*7401	2%
A*7413	57%
A*74	100% TOTAL

51 labs

B*07	55%
B*0702/61	15%
B*070201/61	8%
B*0702	16%
B*070201	6%
B*07	100% TOTAL
B*15	33%
B*1510/99	8%
B*1501	2%
B*1510	55%
B*151001	2%
B*15	100% TOTAL

48 labs

Cw*03	33%
Cw*0304	50%
Cw*030401	2%
Cw*030402	15%
Cw*03	100% TOTAL
Cw*15	38%
Cw*1505	58%
Cw*150502	4%
Cw*15	100% TOTAL

Extract 474 (Vietnamese)

51 labs

A*11	49%
A*1101/21N	6%
A*110101/21N	2%
A*1101	33%
A*110101	10%
A*11	100% TOTAL
A*24	57%
A*2402	33%
A*240201	6%
A*24020101	4%
A*24	100% TOTAL

51 labs

B*15	29%
B*1525	63%
B*152501	8%
B*15	100% TOTAL
B*54	41%
B*5401/17	10%
B*5401	49%
B*54	100% TOTAL

48 labs

Cw*01	31%
Cw*0102/25	15%
Cw*0102	46%
Cw*010201	8%
Cw*01	100% TOTAL
Cw*04	23%
Cw*0403	77%
Cw*04	100% TOTAL

Extract 475 (Caucasian)

51 labs

A*02	51%
A*0201	35%
A*020101	12%
A*02010101	2%
A*02	100% TOTAL
A*80	24%
A*8001	76%
A*80	100% TOTAL

51 labs

B*14	31%
B*1401	69%
B*14	100% TOTAL
B*44	39%
B*4403	45%
B*440301	16%
B*44	100% TOTAL

48 labs

Cw*04	59%
Cw*0401/09N/30	8%
Cw*0401/30	6%
Cw*040101/30	2%
Cw*0401	21%
Cw*040101	2%
Cw*04010101	2%
Cw*04	100% TOTAL
Cw*08	34%
Cw*0802	58%
Cw*080201	2%
Cw*08	94% TOTAL

Extract 476

51 labs

A*01	29%
A*0103	71%
A*01	100% TOTAL
A*69	24%
A*6901	76%
A*69	100% TOTAL

51 labs

B*51	53%
B*5101	31%
B*510101	14%
B*5102	2%
B*51	100% TOTAL
B*73	22%
B*7301	78%
B*73	100% TOTAL

48 labs

Cw*15	29%
Cw*1501	2%
Cw*1504	2%
Cw*1505	65%
Cw*150501	2%
Cw*15	100% TOTAL
Cw*16	37%
Cw*1602	63%
Cw*16	100% TOTAL

CTR	INVESTIGATOR NAME	CELL NO.1385 (Hispanic) A1	A2	B1	B2	C1	C2	method
8062	Al-Attas,Rab	*30	*32	*41	*15	*06	*07	
745	Anthony Nola	*3010	*320101	*4101	*151801	*060201	*070401	SSO,SSP,SBT
5106	Brown,Colin	*3002/10	*32	*4101	*1518	*06	*0704/11	RVSSOP,SBT
774	Cecka,J.Mich	*30	*32	*41	*1518/*9534	*06	*07	SSP,SSOP
5232	Charlton,Ron	*3010	*3201	*4101	*1518	*0602	*0704	SSP,RVSSO
4492	Charron,D.	*30	*32	*41	*15	*06	*07	PCR-SSOP
798	Claas,F.H.J.	*3010	*320101	*4101	*1518	*0602	*070401	SBT,RLB
3632	Colombe,Beth	*3010	*3201/19N	*4101	*1518	*0602	*0704	SSP
5130	Costeas,Paul	*3002/10	*3201	*4101	*1518	*0602/11	*0704	SSO,SSP
779	Daniel,Claud	*30	*32	*41	*15(B71)	*06	*07	PCR-SSP
3186	Dunckley,Hea	*30	*32	*41	*1518/29/64/72+	*06	*07	SSP,SBT
3766	Dunn,Paul	*3002/10/12	*32	*4101/07	*1518/72/*9534/53	*06	*0704/11/63	SSO,SSP
856	Dupont,Bo	*3002/10/12	*3201/05/08/12/14	*4101	*1509	*0602+	*0704/11/12/45+	
5214	Eckels/CPMC	*30	*32	*41	*15(B71)	*06	*07	SSOP
2332	Elkhalifa,Mo	*30	*32	*41	*15	*06	*07	SSP
4251	Ellis,Thomas	*3010	*3201	*4101	*1518	*0602	*0704/11	PCR-SSO,SEQ
762	Fischer&Mayr	*3010	*3201	*4101	*1518	*0602	*0704/11	RSSO,SBTex1-3
792	Gandhi&Genco	*3010	*3201	*4101	*1518	*0602	*0704	PCR-SSO,SSP
8043	Gideoni,Osna	*3010	*3201	*4101	*1518	*0602	*0704	SSOP,SSP
810	Hamdi,Nuha	*300204	*320101	*4101	*1518	*06020101	*070401	SSO
4269	Hanau,Daniel	*30	*32	*41	*15	*06	*07	PCR-SSP
3808	Hogan,Patric	*30	*32	*41	*1518/51/93/*9508+	*06	*0704/11/12/63	
771	Israel,Shosh	*3010	*3201	*4101	*1518	*0602	*0704	SSO,SSP,SBT
9003	Israel_LR	*30	*32	*41	*15	*06	*07	SSO
859	Kamoun,Malek	*3010	*3201	*4101/07	*1518/*9534	*0602	*0704	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*3010	*3201	*4101	*1518	*0602	*0704	SBT
168	Klein,Tirza	*3002	*3212	*4101/07	*1518	*0609	*0704	PCR-SSO,SSP
278	Lee,Jar-How	*3002/10/12/28	*3201/08/11Q/12+	*4101	*1518/*9534	*0602/19	*0704/63	SSP,RVSSOP
6649	Lim,Young Ae	*30	*32	*41	*15	*06	*07	PCR-SSP
731	Loewenthal,R	*300201/10	*320101	*4101	*1518	*060201	*070401/11	SBT,SSO
759	Lopez-Cepero	*3002/10/12	*3201/05/08/11Q+	*4101/07	*1518/72/*9534/53	*0602/07/10/12+	*0704/11	RVSSO
23	Mah,Helen	*3002/10/12	*32	*4101/07	*1518/72/*9534	*06	*0704/11/63	SSO
8029	Mani,Rama	*30	*32	*41	*15			PCR-SSP
206	McAlack-Bala	*30	*32	*4101/07	*1518/72/*9534	*06	*07	SSO
4336	Park,Myoung	*3002/10/12	*32	*41	*15	*06	*07	RVSSO
16	Pidwell/Aska	*3010	*320101	*4101	*151801	*060201	*070401/11	PCR-RSSOP,SBT
3625	Rees,Tracey	*30	*32	*41	*15(B71)	*06	*0704/63	PCR-SSP
5200	Reinke,Denni	*30	*32	*41	*15(B71)	*06	*07	SSP
1160	Rosen-Bronso	*30	*32	*41	*1518	*06	*07	SSOP,SSP
793	Rubocki,Ron	*30	*32	*41	*15(B70)	*06	*07	PCR-SSP
4948	Sage,Deborah	*3010	*3201	*4101	*1518	*0602	*0704/11	SSO,SBT
3519	Semana,Gilbe	*3010	*3201	*4101	*1518	*0602	*0704	SBT
8001	Sheikh,Maqso	*30	*32	*41	*1518/72/*9534	*06	*07	RVSSOP,SSP
769	Tavoularis,S	*3010	*3201	*4101	*1518	*0602	*0704	SSO,SBT,SSP
747	Tiercy,Jean-	*3010	*3201	*4101	*151801	*0602	*0704	
5451	Tilanus,Marc	*3010	*320101	*4101	*151801	*0602	*070401	SBT
5462	Turner,E.V.	*3010	*3201	*4101	*1518	*0602	*0704	SEQ,SSO,SSP
5642	Varnavidou-N	*30	*32	*41	*15	*06	*07	PCR-SSP,SSO

INVESTIGATOR	CELL NO.1386 (Hispanic)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
8062 Al-Attas,Rab	*02	*68	*51	*40	*03	*08	
745 Anthony Nola	*020101	*680102	*510201	*4020	*030401	*080101	SSO,SSP,SBT
5106 Brown,Colin	*02	*68	*5102	*4020	*03	*0801/08	RVSSOP,SBT
774 Cecka,J.Mich	*0201/*92	*68	*5102	*4020	*03	*08	SSP,SSOP
5232 Charlton,Ron	*0201	*6801	*5102	*4020	*0304	*0801	SSP,RVSSO
4492 Charron,D.	*02	*68	*5102	*4020	*03	*08	PCR-SSOP
798 Claas,F.H.J.	*0201	*680102	*510201	*4020	*030401	*080101	SBT,RLB
3632 Colombe,Beth	*0201	*6801	*5102	*4020	*0304	*0801	SSP
5130 Costeas,Paul	*0201/95	*6801	*5102	*4020	*0304	*0801	SSO,SSP
779 Daniel,Claud	*02	*68	*51	*4003/20	*03(Cw10)	*08	PCR-SSP
3186 Dunckley,Hea	*02	*68	*51	*4003/20	*0304-06/08-10+	*08	SSP,SBT
3766 Dunn,Paul	*02	*68	*5102	*4020	*03	*08	SSO,SSP
856 Dupont,Bo	*0201+	*6801/06/07/11/12+	*5102	*4011	*0304+	*0801/03/04/08+	
5214 Eckels/CPMC	*02	*68	*5102	*4020	*03(Cw10)	*08	SSOP
2332 Elkhalifa,Mo	*02	*68	*51	*40	*03	*08	SSP
4251 Ellis,Thomas	*0201	*6801/11N	*5102	*4020	*0304	*0801/22	PCR-SSO,SEQ
762 Fischer&Mayr	*0201	*6801/33	*5102	*4020	*0304	*0801/20/22/24	RSSO,SBTex1-3
792 Gandhi&Genco	*0201	*6801	*5102	*4020	*0304	*0801	PCR-SSO,SSP
8043 Gideoni,Osna	*0201	*6801	*5102	*4020	*0304	*0801	SSOP,SSP
810 Hamdi,Nuha	*02010101	*680102			*030401	*080101	SSO
4269 Hanau,Daniel	*0201	*6801	*5102	*4020	*0304	*08	PCR-SSP,SBT
3808 Hogan,Patric	*02	*68	*51	*4003/09/18/20/24+	*03	*08	
771 Israel,Shosh	*0201	*6801	*5102	*4020	*0304	*0801	SSO,SSP,SBT
9003 Israel_LR	*02	*68	*51	*40	*03	*08	SSO
859 Kamoun,Malek	*0201/29/95	*6801/41	*5102	*4020	*0304	*0801	PCR-SSO,SSP
4337 Kim,Tai-Gyu	*0201	*6801	*5102	*4020	*0304	*0801	SBT
168 Klein,Tirza	*0201	*6801	*5102	*4020	*0304	*0801	PCR-SSO,SSP
278 Lee,Jar-How	*0201/83N/*9221+	*6801/33/41	*5102	*4020	*0304	*0801	SSP,RVSSOP
6649 Lim,Young Ae	*02	*68	*51	*40(B61)	*03	*08	PCR-SSP
731 Loewenthal,R	*020101/22	*680102/08/11N	*51	*40	*030401	*080101	SBT,SSO
759 Lopez-Cepero	*0201/07/09/18+	*6801/07/08/12/16+	*5102	*4020	*0304/06/09/19+	*0801/08	RVSSO
23 Mah,Helen	*02	*68	*5102	*4020	*03	*0801/08	SSO
8029 Mani,Rama	*02	*68	*51	*40			PCR-SSP
206 McAlack-Bala	*02	*68	*5102	*4020	*03	*08	SSO
4336 Park,Myoung	*02	*68	*5102/40	*4020	*03	*08	RVSSO
16 Pidwell/Aska	*020101	*680102/11N	*510201	*4020	*030401	*080101/22	PCR-RSSOP,SBT
3625 Rees,Tracey	*02	*68	*51	*4003/20	*03(Cw10)	*08	PCR-SSP
5200 Reinke,Denni	*02	*68	*5102	*4005	*03(Cw10)	*08	SSP
1160 Rosen-Bronso	*02	*68	*5102	*4020	*03	*08	SSOP,SSP
793 Rubocki,Ron	*02	*68	*51	*40(B61)	*03(Cw10)	*08	PCR-SSP
4948 Sage,Deborah	*0201/09/43N/66+	*6801	*5102	*4020	*0304	*0801/20/22/24	SSO,SBT
3519 Semana,Gilbe	*0201	*6801	*5102	*4020	*0304	*0801	SBT
8001 Sheikh,Maqso	*02	*68	*51	*4020	*0304/06/09/23+	*08	RVSSOP,SSP
769 Tavoularis,S	*0201	*6801	*5102	*4020	*0304	*0801	SSO,SBT,SSP
747 Tiercy,Jean-	*0201	*6801	*510201	*4020	*0304	*0801	
5451 Tilanus,Marc	*020101	*680102	*510201	*4020	*030401	*080101	SBT
5462 Turner,E.V.	*0201	*6801	*5102	*4020	*0304	*0801	SEQ,SSO,SSP
5642 Varnavidou-N	*02	*68	*51	*40	*03	*08	PCR-SSP,SSO

CTR	INVESTIGATOR NAME	CELL NO.1387 (Caucasian/Japanese) A1	A2	B1	B2	C1	C2	method
8062	Al-Attas,Rab	*02	*26	*44	*15	*03	*05	
745	Anthony Nola	*020101	*2602	*44020101	*15010101	*030301	*050101	SSO,SSP,SBT
5106	Brown,Colin	*0201	*2602	*4402	*1501	*0303	*0501	RVSSOP,SBT
774	Cecka,J.Mich	*0201/*92	*26	*44	*15	*03	*05	SSP,SSOP
5232	Charlton,Ron	*0201	*2602	*4402	*1501	*0303	*0501	SSP,RVSSO
4492	Charron,D.	*0201/*9257	*2602	*4402/66	*1501/07/*9559/60	*0303	*0501	PCR-SSP
798	Claas,F.H.J.	*0201	*2602	*44020101	*15010101	*030301	*05010101	SBT,RLB
3632	Colombe,Beth	*0201	*2602	*4402	*1501	*0303	*0501	SSP
5130	Costeas,Paul	*0201	*2602	*4402	*1501	*0303	*0501	SSO,SSP
779	Daniel,Claud	*02	*26	*44	*15(B62)	*03(Cw9)	*05	PCR-SSP
3186	Dunckley,Hea	*02	*26	*44	*1501/46/*9502/04+	*0303/11-13/18+	*05	SSP,SBT
3766	Dunn,Paul	*02	*2602/40	*44	*15	*03	*05	SSO,SSP
856	Dupont,Bo	*0201+	*2601/02/10/15/17+	*4402/19/27/33+	*1575/*9505/45	*0303+	*0501/03/05/06+	
5214	Eckels/CPMC	*02	*26	*44	*15(B62)	*03(Cw9)	*05	SSOP
2332	Elkhalifa,Mo	*02	*26	*44	*15	*03	*05	SSP
4251	Ellis,Thomas	*0201	*2602	*4402/19N	*1501	*0303/20N	*0501	PCR-SSO,SEQ
762	Fischer&Mayr	*0201	*2602	*4402/02S/19N+	*1501/*9502/04/40+	*0303	*0501/03	RSSO,SBTex1-3
792	Gandhi&Genco	*0201	*2602	*4402	*1501	*0303	*0501	PCR-SSO,SSP
8043	Gideoni,Osna	*0201	*2602	*4402	*1501	*0303	*0501/10/11	SSOP,SSP
810	Hamdi,Nuha	*02010101	*2602			*030301	*05010101	SSO
4269	Hanau,Daniel	*02	*2602	*4402/02S/19N+	*1501/01N/*9528/54	*03	*0501	PCR-SBT
3808	Hogan,Patric	*02	*26	*44	*1501G	*03	*05	
771	Israel,Shosh	*0201	*2602	*4402	*1501	*0303	*0501	SSO,SSP,SBT
9003	Israel_LR	*02	*26	*44	*15	*03	*05	SSO
859	Kamoun,Malek	*0201	*2602	*4402	*1501	*0303	*0501	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*0201	*2602	*4402	*1501	*0303	*0501	SBT
168	Klein,Tirza	*0201	*2602	*4402	*1501	*0303	*0501	PCR-SSO,SSP
278	Lee,Jar-How	*0201/*9211/19+	*2602	*4402/02S/52N+	*1501/79N/82/92+	*0303	*0501/21	SSP,RVSSOP
6649	Lim,Young Ae	*02	*26	*44	*15(B62)	*03	*05	PCR-SSP
731	Loewenthal,R	*020101	*2602	*440201/19N	*150101	*0303/13/20N/49	*050101/10/11	SBT,SSO
759	Lopez-Cepero	*0201/07/09/18+	*2602/40	*4402/27/33/41+	*1501/27/33-35+	*0303/11-13/22Q+	*0501/03/05/06+	RVSSO
23	Mah,Helen	*02	*2602	*44	*15	*03	*05	SSO
8029	Mani,Rama	*02	*26	*44	*15			PCR-SSP
206	McAlack-Bala	*02	*2602	*44	*1535/77/*9518+	*03	*05	SSO
4336	Park,Myoung	*02	*26	*44	*15	*03	*05	RVSSO
16	Pidwell/Aska	*020101	*2602	*440201/19N	*150101	*030301/20N//+	*050101//+	PCR-RSSOP,SBT
3625	Rees,Tracey	*02	*26	*44	*15(B62)	*03(Cw9)	*05	PCR-SSP
5200	Reinke,Denni	*02	*26	*44	*15(B62)	*03(Cw9)	*05	SSP
1160	Rosen-Bronso	*02	*2602	*44	*15	*03	*05	SSOP,SSP
793	Rubocki,Ron	*02	*26	*44	*15(B62)	*03	*05	PCR-SSP
4948	Sage,Deborah	*0201	*2602	*4402/19N/27/66	*1501/*9502/04/40+	*0303/13/20N/49	*0501/03/10/11	SSO,SBT
3519	Semana,Gilbe	*0201	*2602	*4402	*1501	*0303	*0501	SBT
8001	Sheikh,Maqso	*02	*26	*44	*1501	*0303/11/13/20N+	*05	RVSSOP,SSP
769	Tavoularis,S	*0201	*2602	*4402/02S	*1501	*0303	*0501	SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*020101	*2602	*44020101	*15010101	*030301	*050101	SBT
5462	Turner,E.V.	*0201	*2602	*4402/19N	*1501	*0303	*0501	SEQ,SSO,SSP
5642	Varnavidou-N	*02	*26	*44	*15	*03	*05	PCR-SSP,SSO

CTR	INVESTIGATOR NAME	CELL NO.1388 (Black) A1	A2	B1	B2	C1	C2	method
8062	Al-Attas,Rab	*33	*68	*53	*15	*03	*04	
745	Anthony Nola	*330301	*680201	*530101	*1510	*030402	*0413	SSO,SSP,SBT
5106	Brown,Colin	*33	*68	*5301	*1510	*03	*04	RVSSOP,SBT
774	Cecka,J.Mich	*33	*68	*53	*1510	*03	*04	SSP,SSOP
5232	Charlton,Ron	*3303	*6802	*5301	*1510	*0304	*0413	SSP,RVSSO
4492	Charron,D.	*3303/20/23	*6802/44	*5301/18	*1510	*0304/57	*0413	PCR-SSP
798	Claas,F.H.J.	*330301	*68020101	*530101	*1510	*030402	*0413	SBT,RLB
3632	Colombe,Beth	*3303	*6802	*5301	*1510	*0304	*0413	SSP
5130	Costeas,Paul	*3303	*6802	*5301	*1510	*0304	*0404/13	SSO,SSP
779	Daniel,Claud	*33	*68	*53	*15(B71)	*03	*04	PCR-SSP
3186	Dunckley,Hea	*33	*68	*53	*1510/37/90/99+	*0304-06/08-10+	*04	SSP,SBT
3766	Dunn,Paul	*33	*68	*5301/10/18	*1510/90	*03	*0413	SSO,SSP
856	Dupont,Bo	*3303	*6802/18N/27	*5301	*1510	*0304/05/25	*0404/13	
5214	Eckels/CPMC	*33	*68	*53	*15(B71)	*03(Cw10)	*0413	SSOP
2332	Elkhalifa,Mo	*33	*68	*53	*15	*03	*04	SSP
4251	Ellis,Thomas	*3303	*6802	*5301	*1510	*0304	*0413	PCR-SSO,SEQ
762	Fischer&Mayr	*3303/15/25	*6802	*5301	*1510	*0304	*0413	RSSO,SBTex1-3
792	Gandhi&Genco	*3303	*6802	*5301/18	*1510	*0304	*0413	PCR-SSO,SSP
8043	Gideoni,Osna	*3303	*6802	*5301	*1510	*0304	*0413	SSOP,SSP
810	Hamdi,Nuha	*3301	*68020101			*030401	*0413	SSO
4269	Hanau,Daniel	NT						
3808	Hogan,Patric	*33	*68	*53	*1510/90/99	*03	*04	
771	Israel,Shosh	*3303	*6802	*5301	*1510	*0304	*0413	SSO,SSP,SBT
9003	Israel_LR	*33	*68	*53	*15	*03	*04	SSO
859	Kamoun,Malek	*3303	*6802	*5301	*1510	*0304	*0413	PCR-SSO,SSP
4337	Kim,Tai-Gyu	*3303	*6802	*5301	*1510	*0304	*0413	SBT
168	Klein,Tirza	*3303	*6802	*5301	*1510	*0304	*0413	PCR-SSO,SSP
278	Lee,Jar-How	*3301/05/06/12+	*6802/34/44	*5301	*1510/90	*0304	*0413	SSP,RVSSOP
6649	Lim,Young Ae	*33	*68	*53	*15	*03	*04	PCR-SSP
731	Loewenthal,R	*3303	*680201	*530101	*1510	*030402	*0413	SBT,SSO
759	Lopez-Cepero	*3301/03-06+	*6802/34/44	*5301/10/18	*1510/90	*0304/06/09/19+	*0413	RVSSO
23	Mah,Helen	*33	*68	*5301/10	*1510/90	*03	*0413	SSO
8029	Mani,Rama	*33	*68	*53	*15			PCR-SSP
206	McAlack-Bala	*33	*68	*5301/10	*1510/90	*03	*0413	SSO
4336	Park,Myoung	*33	*68	*53	*15	*03	*04	RVSSO
16	Pidwell/Aska	*330301	*680201	*530101	*1510	*030401	*0413	PCR-RSSOP,SBT
3625	Rees,Tracey	*33	*68	*53	*1510/99/90/*9519+	*03(Cw10)	*0404/13/34	PCR-SSP
5200	Reinke,Denni	*33	*68	*53	*15(B71)	*03(Cw10)	*04	SSP
1160	Rosen-Bronso	*33	*68	*53	*1510	*03	*04	SSOP,SSP
793	Rubocki,Ron	*33	*68	*53	*15(B70)	*03	*04	PCR-SSP
4948	Sage,Deborah	*0303	*6802	*5301	*1510	*0304	*0413	SSO,SBT
3519	Semana,Gilbe	*3303	*6802	*5301	*1510	*03new	*0413	SBT
8001	Sheikh,Maqso	*33	*68	*53	*1510/90	*0304/06/09/23+	*04	RVSSOP,SSP
769	Tavoularis,S	*3303	*6802	*5301	*1510	*0304	*0413	SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*330301	*680201	*530101	*151001	*030402	*0413	SBT
5462	Turner,E.V.	*3303	*6802	*5301	*1510	*0304	*0413	SEQ,SSO,SSP
5642	Varnavidou-N	*33	*68	*53	*15	*03	*04	PCR-SSP,SSO

Cell 1385 (Hispanic)

48 labs

A*30	42%	
A*3002/10/12	10%	
A*3002/10	4%	
A*300201/10	2%	
A*3002	2%	
A*300204	2%	
A*3010	38%	
A*30	100%	TOTAL
A*32	56%	
A*3201	29%	
A*320101	13%	
A*3212	2%	
A*32	100%	TOTAL

48 labs

B*41	39%	
B*4101/07	13%	
B*4101	48%	
B*41	100%	TOTAL
B*15	38%	
B*1518/72/*9534	6%	
B*1518/*9534	6%	
B*1509	2%	
B*1518	40%	
B*151801	8%	
B*15	100%	TOTAL

47 labs

Cw*06	55%	
Cw*0602	34%	
Cw*060201	7%	
Cw*06020101	2%	
Cw*0609	2%	
Cw*06	100%	TOTAL
Cw*07	49%	
Cw*0704/11	11%	
Cw*070401/11	4%	
Cw*0704	28%	
Cw*070401	8%	
Cw*07	100%	TOTAL

Cell 1386 (Hispanic)

48 labs

A*02	61%	
A*0201	31%	
A*020101	6%	
A*02010101	2%	
A*02	100%	TOTAL
A*68	63%	
A*6801	29%	
A*680102	8%	
A*68	100%	TOTAL

47 labs

B*51	30%	
B*5102	59%	
B*510201	11%	
B*51	100%	TOTAL
B*40	19%	
B*4003/20	7%	
B*4005	2%	
B*4011	2%	
B*4020	70%	
B*40	100%	TOTAL

47 labs

Cw*03	49%	
Cw*0304	38%	
Cw*030401	13%	
Cw*03	100%	TOTAL
Cw*08	59%	
Cw*0801	30%	
Cw*080101	11%	
Cw*08	100%	TOTAL

Cell 1387 (Cauc/Japn)

47 labs

A*02	53%	
A*0201	36%	
A*020101	9%	
A*02010101	2%	
A*02	100%	TOTAL
A*26	40%	
A*2602	60%	
A*26	100%	TOTAL

46 labs

B*44	59%	
B*4402/19N	4%	
B*440201/19N	4%	
B*4402	26%	
B*44020101	7%	
B*44	100%	TOTAL
B*15	56%	
B*1501	33%	
B*150101	4%	
B*15010101	7%	
B*15	100%	TOTAL

46 labs

Cw*03	56%	
Cw*0303	35%	
Cw*030301	9%	
Cw*03	100%	TOTAL
Cw*05	59%	
Cw*0501	33%	
Cw*050101	4%	
Cw*05010101	4%	
Cw*05	100%	TOTAL

Cell 1388 (Black)

46 labs

A*33	54%	
A*3301	2%	
A*3303	33%	
A*330301	9%	
A*33	98%	TOTAL
A*68	54%	
A*6802	33%	
A*680201	9%	
A*68020101	4%	
A*68	100%	TOTAL

45 labs

B*53	39%	
B*5301/10/18	4%	
B*5301/10	4%	
B*5301/18	4%	
B*5301	38%	
B*530101	11%	
B*53	100%	TOTAL
B*15	31%	
B*1510/90	13%	
B*1510	54%	
B*151001	2%	
B*15	100%	TOTAL

45 labs

Cw*03	53%	
Cw*0304	33%	
Cw*030401	5%	
Cw*030402	9%	
Cw*03	100%	TOTAL
Cw*04	40%	
Cw*0413	60%	
Cw*04	100%	TOTAL

INTERNATIONAL CELL EXCHANGE

****** CELL NO.1385 (HISP) ******

INVESTIGATOR NAME	DAYS OLD	VIAB %	A30	A32	B41	B70	CW6	CW7	BW6	OTHERS
Abbal,Michel	3	100	+	+	+	+			+	
Alonso,Anton	6	90	+	+	+71			+	+	
Alvarez,Carr	3	100	+	+	+				+	
Anthony Nola	3	98	+	+	+71					
Berka,Noured	2	98	+	+	+71		+	+	+	
Cecka,J.Mich	3	95	+	+	+71		+	+	+	
Chan MD,Soh	5	95	+	+	+		+		+	B59,CX17
Charron,D. P	9	NT								
Choo,Yoon MD	14	90	+	+	+	+		+	+	CX17
Claas,F.H.J.	6	90	+	+	+71		+	+	+	
Dunckley,Hea	7	80	+	+	+				+	B15
Dunk,Arthur	2	98	+	+	+	+	+	+	+	
Dunn,Paul Dr	7	95	+	+	+	+			+	BW4
Esteves Kond	2	99	+	+	+71		+	+	+	
Fischer,Joha	6	98	+	+	+71				+	
Gideoni,Osna	6	100	+	+	+	+	+	+	+	
Gomez,Carmen	3	98	+	+	+	+	+	+	+	BW4
Gomez,Carmen	3	95	+	+	+	+	+	+	+	BW4
Hahn,Amy B.	7	99	+	+	+	+	+		+	CX17
Harville,Ter	2	98	+	+	+71		+	+	+	
Hirankarn MD	6	80	+	+	+	+			+	
Hogan,Patric	9	90	+	+	+	+	+	+	+	
Holdsworth,R	9	98	+	+	+	+			+	
Israel,Shosh	6	95	+	+	+	+	+	+	+	
Keown,Paul M	3	98	+	+	+	+			+	
Klein,Tirza	6	80	+	+	+	+	+	+	+	
Kvam,Vonnett	2	98	+	+	+	+	+	+	+	
Lardy,N.M. D	7	90	+	+	+	+			+	
Leech MD,Ste	7	95	+	+	+71		+	+	+	
Loewenthal M	6	80	+	+	+71		+	+	+	
Lopez-Cepero	2	99	+	+	+71		+	+	+	
MacCann,Eile	3	98	+	+	+	+			+	
Mah,Helen	3	98	+	+	+71		+	+	+	BW4
McAlack,Robe	2	97	+	+	+71		+	+	+	
McAlack-Bala	2	99	+	+	+71		+	+	+	
McCluskey,Ja	7	90	+	+	+	+		+	+	
Meyer,Pieter	7	80	+	+	+					
Norin,Allen	2	98	+	+	+71				+	
Padua,Florec	7	NT								
Pais,Maria L	10	98	+	+	+					B50
Park,Myoung	6	98	+	+	+	+	+	+	+	
Permpikul,Ve	6	90	+	+	+	+			+	
Pidwell/Aska	2	90	+	+	+	+	+	+	+	
Pollack,Mari	2	98	+	+	+	+	+	+	+	
Rees,Tracey	6	60	+	+	+	+	+	+	+	
Rosen-Bronso	3	90	+	+	+	+			+	
Rubocki,Rona	2	98	+	+	+	+	+	+	+	
Sauer,Gottwa	3	100	+	+	+	+	+	+	+	
Semana MD,Gi	3	99	+	+	+	+			+	
Shai,Isaac	10	100	+	+	+			+	+	B35

*************** CELL NO.1386 (HISP) ***************

INVESTIGATOR NAME	VIAB %	A2	A68	B51	B61	CW3	CW8	BW4	BW6	OTHERS
Abbal,Michel	100	+	+02		+			+	+	
Alonso,Anton	90	+	+	+	+	+		+	+	
Alvarez,Carr	100	+	+	+40				+	+	
Anthony Nola	98	+	+	+	+					
Berka,Noured	98	+28			+	+		+	+	B53
Cecka,J.Mich	95	+	+02		+			+	+	
Chan MD,Soh	NT									
Charron,D. P	NT									
Choo,Yoon MD	90	+28			+			+	+	B53
Claas,F.H.J.	90	+28		+	+	+		+	+	
Dunckley,Hea	80	+28		+40				+	+	
Dunk,Arthur	98	+2802			+	+	+	+	+	
Dunn,Paul Dr	95	+	+	+	+			+	+	
Esteves Kond	99	+	+02		+10		+	+	+	
Fischer,Joha	95	+	+	+	+			+	+	
Gideoni,Osna	100	+28		+40		+		+	+	
Gomez,Carmen	98	+	+	+	+	+	+	+	+	
Gomez,Carmen	95	+	+	+	+	+	+	+	+	
Hahn,Amy B.	99	+	+	+	10			+	+	B60,CW7
Harville,Ter	98	+	+02		+10		+	+	+	
Hirankarn MD	82	+	+	+	+			+	+	
Hogan,Patric	C									
Holdsworth,R	98	+	+	+40				+	+	
Israel,Shosh	95	+28		+40		+		+	+	
Keown,Paul M	98	+28		+	+	+		+	+	
Klein,Tirza	90	+	+	+40		+		+	+	
Kvam,Vonnett	97	+28		+	+	+		+	+	
Lardy,N.M. D	90	+28		+	+			+	+	
Leech MD,Ste	95	+	+	+	+	+	+	+	+	
Loewenthal M	90	+28		+40		+		+	+	
Lopez-Cepero	99	+	+02		+	+		+	+	
MacCann,Eile	98	+28		+	+			+	+	
Mah,Helen	98	+	+02		+	+	+	+	+	
McAlack,Robe	97	+	+02		+10		+	+	+	
McAlack-Bala	99	+	+02		+10		+	+	+	
McCluskey,Ja	95	+28B5			+	+		+	+	
Meyer,Pieter	80	+	+			+				B52
Norin,Allen	98	+	+02		+			+	+	
Padua,Florec	NT									
Pais,Maria L	98	+	+	+						B60
Park,Myoung	98	+28		+	+	+		+	+	
Permpikul,Ve	90	+28		+	+			+	+	
Pidwell/Aska	90	+2802			+	+		+	+	B61V,B5V
Pollack,Mari	98	+	+	+	+	+		+	+	X53
Rees,Tracey	90	+	+	+	+	+	+	+	+	
Rosen-Bronso	90	+	+	+	+			+	+	
Rubocki,Rona	98	+28		+	+	+		+	+	
Sauer,Gottwa	100	+	+	+	+	+	+	+	+	
Semana MD,Gi	99	+	+	+	+			+	+	
Shai,Isaac	90	+28						+		B53,B47

*************** CELL NO.1387 (MIXD) ***************

INVESTIGATOR NAME	VIAB %	A2	A26	B44	B62	CW3	CW5	BW4	BW6	OTHERS
Abbal,Michel	100	+	+	+	+			+	+	
Alonso,Anton	90	+	+	+	+	+	+	+	+	
Alvarez,Carr	100	+	+	+	+				+	
Anthony Nola	98	+	+	+	+					
Berka,Noured	98	+	+	+	+	+		+	+	
Cecka,J.Mich	95	+	+	+	+			+	+	
Chan MD,Soh	95	+	+	+	+		+	+	+	
Charron,D. P	NT									
Choo,Yoon MD	90	+	+	+	+	+		+	+	
Claas,F.H.J.	90	+	+	+	+	+	+	+	+	
Dunckley,Hea	80	+10		+15				+	+	
Dunk,Arthur	98	+	+	+	+	+	+	+	+	
Dunn,Paul Dr	95	+	+	+	+			+	+	
Esteves Kond	99	+	+	+	+W9		+	+	+	
Fischer,Joha	95	+	+	+	+			+	+	
Gideoni,Osna	100	+	+	+	+	+	+	+	+	
Gomez,Carmen	98	+	+	+	+	+	+	+	+	
Gomez,Carmen	95	+	+	+	+	+	+	+	+	
Hahn,Amy B.	99	+	+	+	+W9		+	+	+	
Harville,Ter	98	+	+	+	+W9		+	+	+	
Hirankarn MD	78	+	+	+	+			+	+	
Hogan,Patric	90	+	+	+	+	+		+	+	
Holdsworth,R	95	+	+	+	+			+	+	
Israel,Shosh	95	+	+	+	+	+	+	+	+	
Keown,Paul M	98	+	+	+	+	+		+	+	
Klein,Tirza	90	+	+	+	+	+		+	+	
Kvam,Vonnett	98	+	+	+	+	+	+	+	+	
Lardy,N.M. D	90	+	+	+	+	+	+	+	+	
Leech MD,Ste	95	+	+	+15		+		+	+	CW1
Loewenthal M	90	+	+	+	+	+	+	+	+	
Lopez-Cepero	99	+	+	+	+	+	+	+	+	
MacCann,Eile	98	+		+	+			+	+	A66
Mah,Helen	98	+	+	+	+	+		+	+	
McAlack,Robe	97	+	+	+	+W9		+	+	+	
McAlack-Bala	98	+	+	+	+W9		+	+	+	
McCluskey,Ja	70	+	+	+	+	+		+	+	
Meyer,Pieter	80	+	+	+	+	+	+			
Norin,Allen	98	+	+	+	+			+	+	
Padua,Florec	NT									
Pais,Maria L	98	+		+	+					A66
Park,Myoung	98	+	+	+	+	+	+	+	+	
Permpikul,Ve	90	+	+	+	+			+	+	
Pidwell/Aska	90	+	+	+	+	+	+	+	+	
Pollack,Mari	98	+	+	+	+	+	+	+	+	
Rees,Tracey	90	+	+	+	+	+	+	+	+	
Rosen-Bronso	90	+	+	+	+			+	+	
Rubocki,Rona	98	+	+	+	+	+	+	+	+	
Sauer,Gottwa	90	+	+	+	+	+	+	+	+	
Semana MD,Gi	99	+	+	+	+			+	+	
Shai,Isaac	80	+	+	+	+	+			+	

*************** CELL NO.1388 (BLCK) ******

INVESTIGATOR NAME	VIAB %	A33	A68	B53	B70	CW3	CW4	BW4	BW6	OTHERS
Abbal,Michel	100	+	+	+	+			+	+	
Alonso,Anton	90	+	+	+71		+	+	+	+	
Alvarez,Carr	100	+	+	71					+	
Anthony Nola	98	+	+	+71						
Berka,Noured	98	+28		+		+	+	+	+	B15
Cecka,J.Mich	95	+	+	+71				+	+	
Chan MD,Soh	95	+28		+			+	+	+	B35
Charron,D. P	NT									
Choo,Yoon MD	90	+	+	+	+	+		+	+	
Claas,F.H.J.	90	+	+	+	+	+	+	+	+	B35
Dunckley,Hea	NT									
Dunk,Arthur	98	+28		+	+	+	+	+	+	
Dunn,Paul Dr	95	+	+	+	+			+	+	
Esteves Kond	99	+	+	+7110			+	+	+	
Fischer,Joha	98	+	+	+71				+	+	
Gideoni,Osna	100	+	+	+71		+	+	+	+	
Gomez,Carmen	98	+	+	+	+	+	+	+	+	
Gomez,Carmen	95	+	+	+	+	+	+	+	+	
Hahn,Amy B.	98	+	+	+7110				+	+	
Harville,Ter	98	+	+	+7110			+	+	+	
Hirankarn MD	NT									
Hogan,Patric	C									
Holdsworth,R	99	+	+	+71				+	+	
Israel,Shosh	95	+	+	+	+	+	+	+	+	
Keown,Paul M	98	+28		+	+	+		+	+	
Klein,Tirza	95	+	+	+71		+	+	+	+	
Kvam,Vonnett	97	+28		+71		+	+	+	+	
Lardy,N.M. D	90	+28		+	+	+		+	+	
Leech MD,Ste	95	+	+	+71		+	+	+	+	
Loewenthal M	NT									
Lopez-Cepero	99	+	+	+71		+	+	+	+	
MacCann,Eile	98	+	+	+71				+	+	
Mah,Helen	98	+	+	+71		+	+	+	+	
McAlack,Robe	98	+	+	+7110			+	+	+	
McAlack-Bala	98	+	+	+7110			+	+	+	
McCluskey,Ja	80	+28		+	+	+		+	+	
Meyer,Pieter	80	+	+			+	+			B35
Norin,Allen	98	+	+	+71				+	+	
Padua,Florec	85	+	+	+71		+	+			
Pais,Maria L	98	+	+	+						B35
Park,Myoung	98	+28		+	+	+	+	+	+	
Permpikul,Ve	90	+	+	+				+	+	B35
Pidwell/Aska	90	+	+	+	+	+	+	+	+	
Pollack,Mari	98	+	+	+71		+	+	+	+	
Rees,Tracey	90	+	+	+	+	+	+	+	+	
Rosen-Bronso	90	+	+	+71				+	+	
Rubocki,Rona	98	+28		+	+	+	+	+	+	
Sauer,Gottwa	95	+	+	+	+	+	+	+	+	
Semana MD,Gi	99	+	+	+	+			+	+	
Shai,Isaac	90	+	+		+	+			+	B35

INTERNATIONAL CELL EXCHANGE

INVESTIGATOR NAME	DAYS OLD	CELL NO.1385 (HISP) VIAB %	A30	A32	B41	B70	CW6	CW7	BW6	OTHERS	CELL NO.1386 (HISP) VIAB %	A2	A68	B51	B61	CW3	CW8	BW4	BW6	OTHERS
Sperry,Roxan	2	98	+	+	+	+		+	+	CX17	98	+2802			+10		+	+	+	
Stavropoulos	2	95	+	+	+	+	+	+	+		99	+28		+	+	+	+	+	+	
Tagliere,Jac	2	100	+	+	+71		+	+	+		100	+	+	+	+	+	+	+	+	
Tiercy,Jean-	6	65	19	+	+71						70	+28B5			+					
Tilanus,Marc	7	90	+	+	+	+			+		90	+28		+	+			+	+	
Varnavidou-N	6	98	+	+	+	+			+	BW4	98	+	+	+40				+	+	
Wisecarver,J	6	98	+	+	+	+			+		98	+28		+	+			+	+	

INVESTIGATOR NAME	CELL NO.1387 (MIXD) VIAB %	A2	A26	B44	B62	CW3	CW5	BW4	BW6	OTHERS	CELL NO.1388 (BLCK) VIAB %	A33	A68	B53	B70	CW3	CW4	BW4	BW6	OTHERS
Sperry,Roxan	98	+	+	+	+W9		+	+	+		98	+28		+	+10		+	+	+	
Stavropoulos	95	+	+	+	+	+	+	+	+		95	+28		+	+	+	+	+	+	
Tagliere,Jac	100	+	+	+	+	+	+	+	+		100	+	+	+71		+	+	+	+	
Tiercy,Jean-	NT										NT									
Tilanus,Marc	90	+	+	+	+			+	+		90	+28		+				+	+	
Varnavidou-N	98	+	+	+	+			+	+		98	+	+	+	+			+	+	
Wisecarver,J	98	+	+	+	+			+	+		98	+28		+	+			+	+	

****
* SUMMARY TABLE *
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(HISP)
**** CELL 1385 ****
(55 SAMPLES TYPED)
A30 98.2%
A19 1.8%
(100.0%)

A32 100.0%
(100.0%)

B41 100.0%

B70 58.2%
B71 30.9%
(89.1%)

CW6 52.7%

CW7 58.2%

BW6 92.7%

(OTHERS FOUND)
BW4 10.9%
CX17 7.3%
B35 1.8%
B50 1.8%
B15 1.8%
B59 1.8%

(HISP)
**** CELL 1386 ****
(53 SAMPLES TYPED)
A2 100.0%
(100.0%)

A68 56.6%
A28 43.4%
(100.0%)

B51 66.0%
B5 3.8%
5102 22.6%
(92.5%)

B61 77.4%
B40 15.1%
(92.5%)

CW3 47.2%
CW10 11.3%
(58.5%)

CW8 26.4%

BW4 92.5%

BW6 90.6%

(OTHERS FOUND)
B53 5.7%
B60 3.8%
B47 1.9%
B52 1.9%
X53 1.9%
CW7 1.9%
B5V 1.9%
B61V 1.9%

(MIXD)
**** CELL 1387 ****
(54 SAMPLES TYPED)
A2 100.0%
(100.0%)

A26 94.4%
A10 1.9%
(96.3%)

B44 100.0%
(100.0%)

B62 96.3%
B15 3.7%
(100.0%)

CW3 53.7%
CW9 11.1%
(64.8%)

CW5 50.0%

BW4 90.7%

BW6 94.4%

(OTHERS FOUND)
A66 3.7%
CW1 1.9%

(BLCK)
**** CELL 1388 ****
(51 SAMPLES TYPED)
A33 100.0%
(100.0%)

A68 74.5%
A28 25.5%
(100.0%)

B53 94.1%

B70 43.1%
B71 45.1%
(88.2%)

CW3 54.9%
CW10 11.8%
(66.7%)

CW4 56.9%

BW4 88.2%

BW6 92.2%

(OTHERS FOUND)
B35 11.8%
B15 2.0%

*** 57 LABORATORIES REPLIED ***
********** NEXT SHIPMENT: 04/07/2010 **********