REPORT OF THE 355th CELL EXCHANGE

DNA Extract	**505-508**
Cells	**1417-1420**

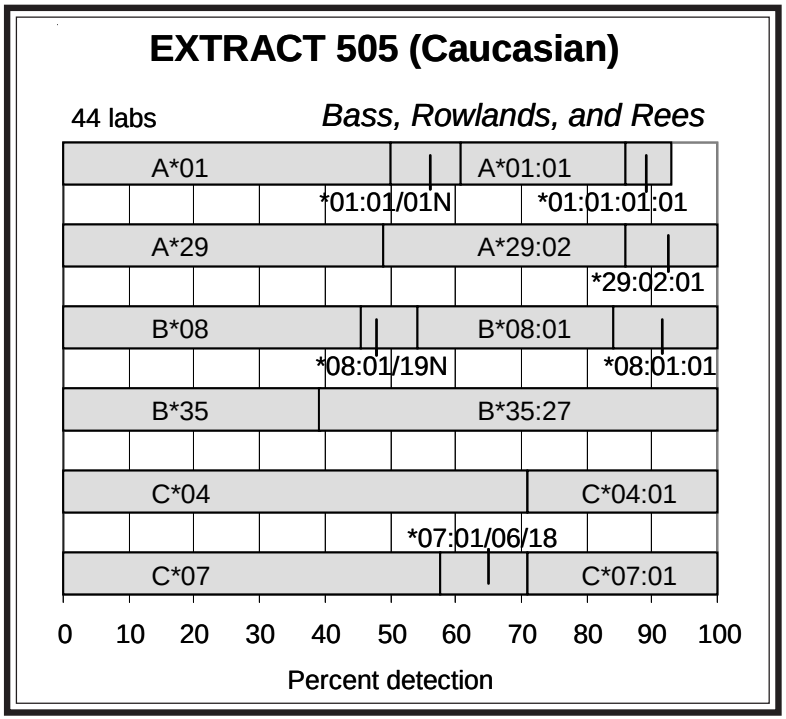
MARCH 9, 2011

Extract Exchange

We wish to express our appreciation to **Helen Bass, Jane Rowlands, and Tracey Rees, Welsh Blood Service, Pontyclun,** and to the **Transplant Immunology Laboratory, Baylor University Medical Center, Dallas,** in providing unusual cells to study in our exchanges.

We acknowledge Sutton for correctly identifying all cells as being previously typed in the Cell Exchange.

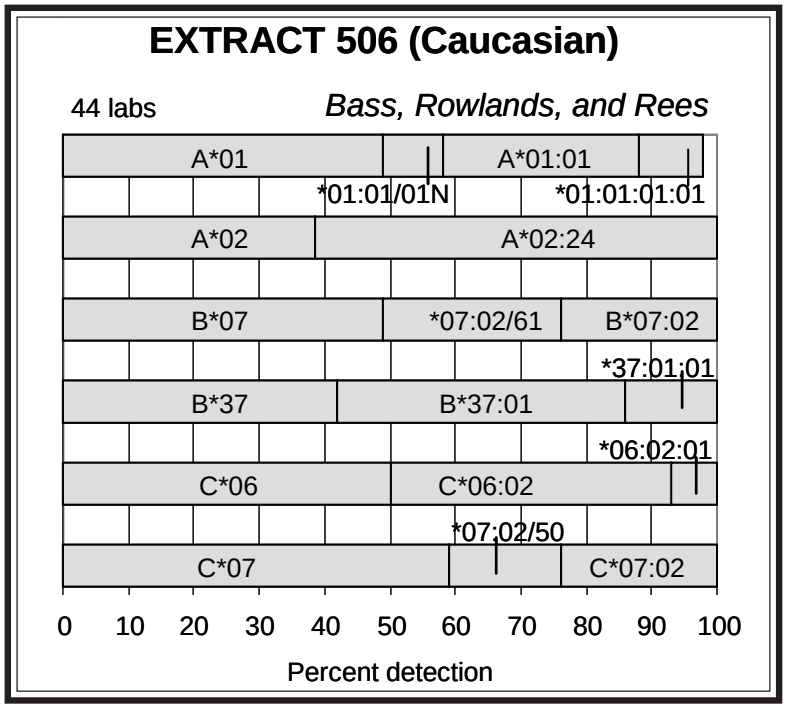
Rare B*35 alleles were examined as well as the uncommon A*02:24.



Extract 505. This Caucasian cell was JAC, the reference cell for the rare B*35:27, sequenced by Guttridge et al. (1). The investigators described the allele as most similar to B*35:01, differing by only one substitution (G->A) at pos 302, resulting in a Ser to Asn amino acid change (S->N) at codon 77. This cell was previously typed as extract 233 in 2003.

In this present retyping, B*35:27 was detected by 60%.

Family study data from Guttridge et al. indicated that B*35:27 was on the same haplotype with A*29:02 and C*04:01. The other haplotype was the commonly found A*01:01-B*08:01-C*07:01.



Extract 506. This cell from a Caucasian individual was 13041452, a reference cell for A*02:24:01, described by Guttridge et al. (2) as being most similar to A*02:01, with only one difference of A->C at position 453, resulting in an amino acid change of lysine to asparagine (K->N) at codon 127. This reference cell was previously studied as extract 257 in 2003.

In this present retyping, 61% of the labs reported A*02:24.

The other A-locus type was A*01:01 (39%).

The B-locus alleles were B*07:02 (23%), with another 29% assigning B*07:02/61, and B*37:01 (58%).

C*06:02 (50%) and C*07:02 (24%) were reported.

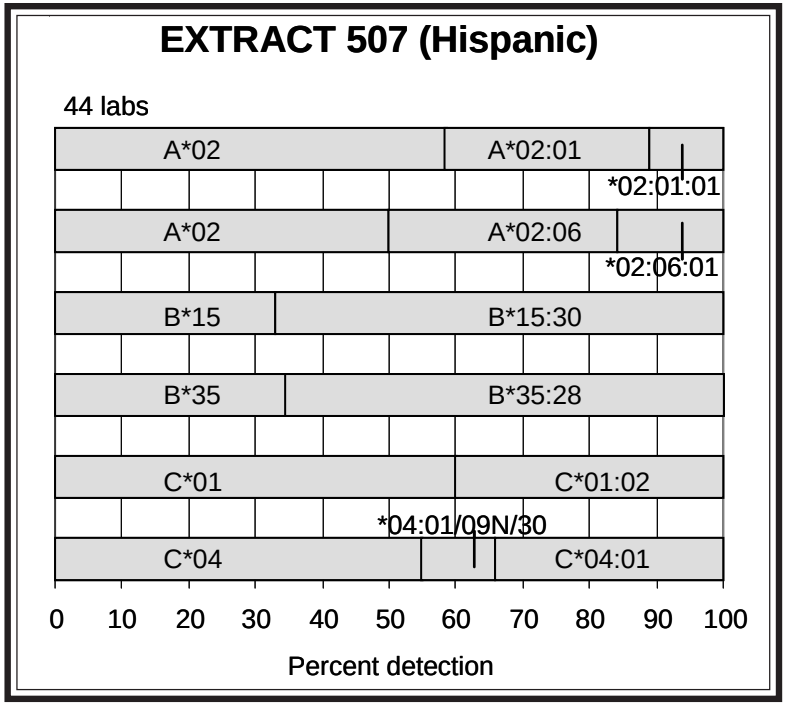
According to the NMDP Bioinformatics web site, A*01:01g-B*37:01-C*06:02 (HF=0.00801) is commonly found in Caucasians; therefore, the haplotypes in this cell may be A*01:01-B*37:01-C*06:02 and A*02:24-B*07:02-C*07:02. All 3 reference cells, 11952547, 13041452, and RP122, had A*02:24-B*07.

Extract 507. This Hispanic donor was previously typed in a 2001 family as extract 175, being the offspring of extracts 173 and 174. One of the parents, extract 173, was typed for class II as TER-293 (2001) and TER-375 (2006). Extract 175 was intended to be also typed for class II, as TER-194 in the same 2001 family study, but unfortunately, was contaminated with another cell population during culturing. Nevertheless, a number of labs were able to report high-resolution results for TER-194. Combining the exchange results with data from Doug Smith of Baylor University, the haplotypes were:

a: A*02:01-B*35:28-C*04:01-DRB1*08:02-DQB1*04:02-
DQA1*04:01- DPB1*14:01
b: A*23:01-B*44:03-C*06:01-DRB1*14:54-DRB3*02:02-
DQB1*05:03- DQA1*01:04-DPB1*04:02
c: A*01:01-B*08:01-C*07:01-DRB1*03:01-DRB3*01:01/06-
DQB1*02:01-DPB1*0:301
d: A*02:06-B*15:30-C*01:02-DRB1*04:03-DRB4*01:03-
DQB1*03:02-DQA1*03:01-DPB1*04:02

Extract 173 (father) had a/b; extract 174 (mother) had c/d; and extract 175 (offspring) had a/d.

In this present retyping, the rare B*35:28 was detected by 66%. Investigators, Steiner et al. (3) and Gourley et al. (4), described the allele as most similar to B*35:10, with a change in codon 67, TTC->TCC, and the resulting amino acid change of Phe->Ser (F->S). Gourley et al. also stated that the B*35 variant differed from B*35:20 at codon 63 (GAG->TTC), with an amino acid change of Glu->Asn (E->N), speculating that, “Therefore, B*3528 may have arisen from B*3510 by point mutation in codon 67, or from either *3510 or *3520 after recombination with many possible HLA-B alleles.”

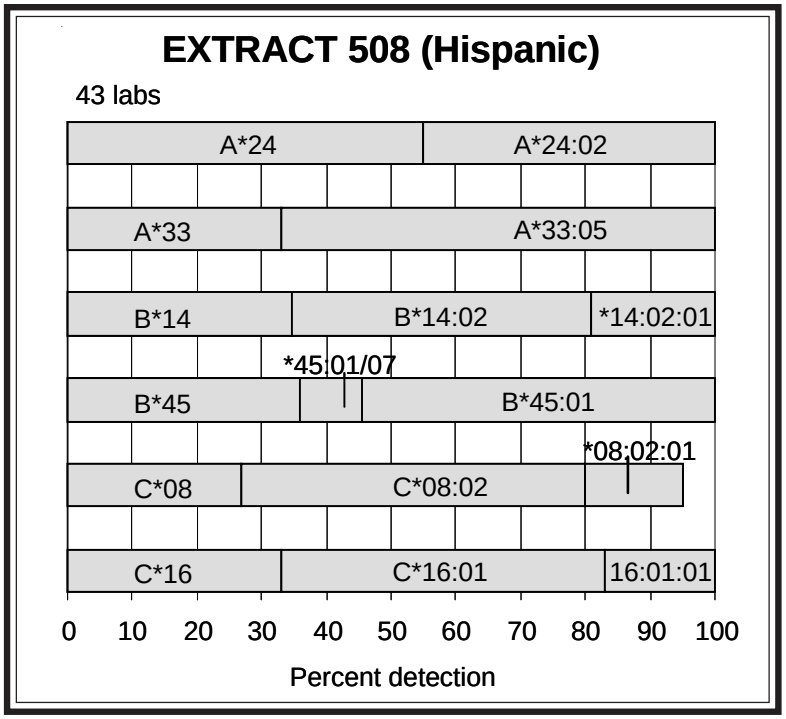


According to the 2008 HLA dictionary (5), the Assigned Type for 14 NMDP cells was: B35 (50%), blank (43%), suggesting that the encoded antigen reacted weakly to B35 antisera.

B*15:30 (68%) was well detected as the second B-locus allele.

A*02:01 (41%) and A*02:06 (50%) were present in this cell.

The likely associations were B*15:30-C*01:02 and B*35:28-C*0401.



Extract 508. This Hispanic donor with the rare A*33:05 was previously typed as extract 436 (2008) and cell 1357 (2009). A*33:05 differs from A*33:01 at codon 54 (CAG->CGG) resulting in an amino acid change of glutamine to arginine (Q->R).

In this present retyping, the percent detection level for A*33:05 increased to 67% from 54% (2008) and 43% (2009). When typed by serologic means as cell 1357, A33 was assigned by 100%. In the 2009 typing, A*33:01 was misassigned by 6% whereas this present typing indicated improved standardization for A*33:05.

The probable haplotypes were A*24:02-B*45:01-C*16:01 and A*33:05-B*14:02-C*08:02. One A*33:05 reference cell, DU, was also typed as A*33:05-B*14:02-C*08:02 and another reference cell, Leiden-DQ1504, had A*33:05-B*14:02.

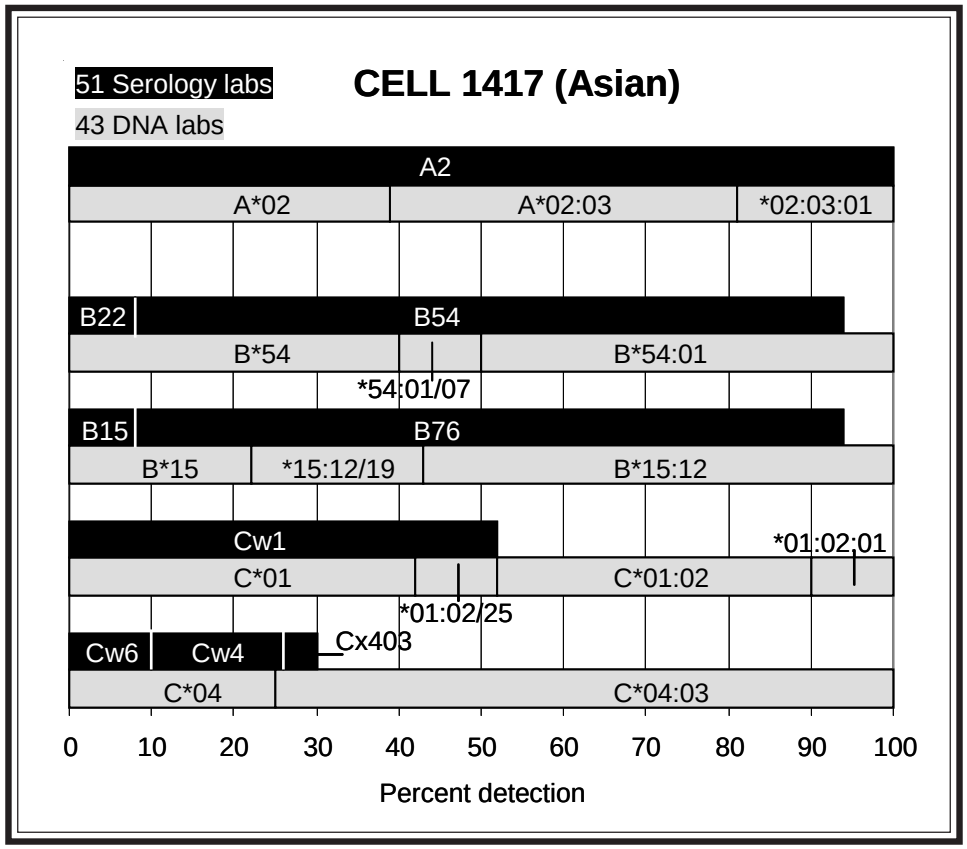
Cell 1417. This Asian donor was the sibling of cell 1413, typed in the previous Cell Exchange #354 study. The siblings share the A2-B76-Cw4x6 haplotype, that is, A*02:03-B*15:12-C*04:03. The other haplotype in this cell was A2-B54-Cw1, that is, A*02:03-B*54:01-C*01:02, which was inherited from the parent that was typed as cell 971 in 1998.

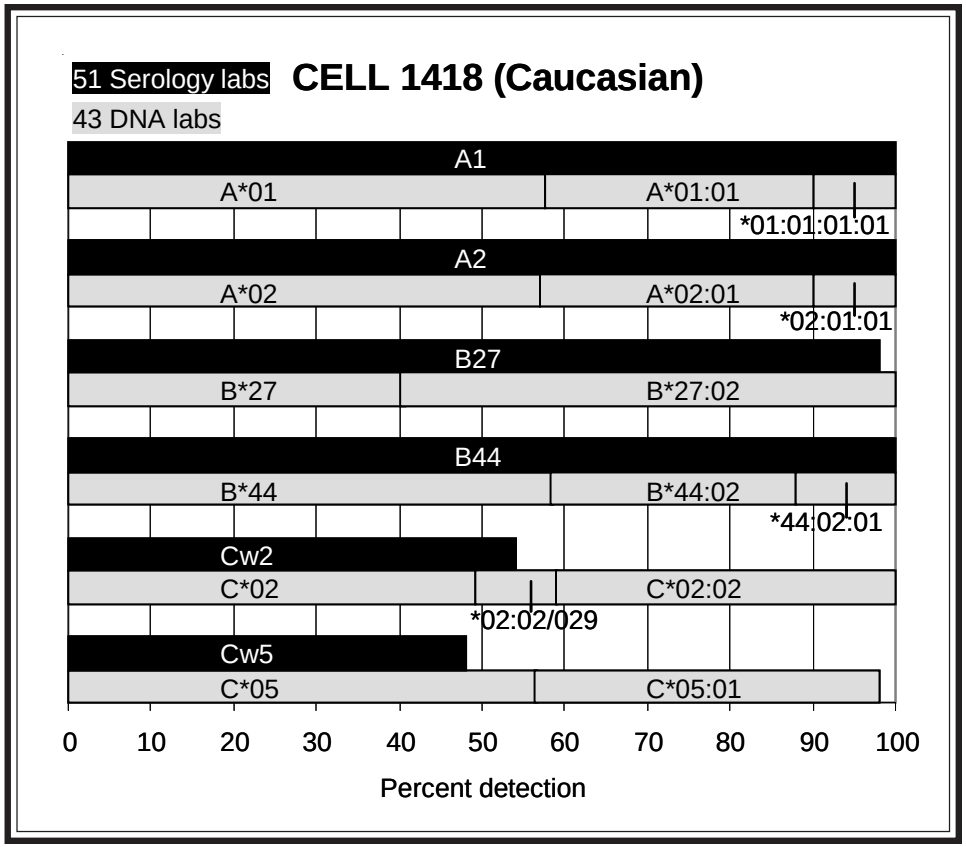
B76 was assigned by 86%. B*15:12 was detected by 58%; B*15:12/19 was assigned by 21%.

B54 (86%) was the second B-locus antigen, confirmed as B*54:01 (51%).

Cw1 (53%) was corroborated as C*01:02 (49%).

C*04:03 was well typed, detected by 76%. Serologic assignments included Cw4 (18%), Cw6 (10%), and C403 (4%). Esteves Kondo, Mah, and Askar and Pidwell commented upon the presence of a Cw4 variant.





Cell 1418. B27 was assigned by 98% for this cell from a Caucasian donor. Hahn commented that the B27 reactivity was very short. B*27:02 was reported by 60%. B*27:02 was previously typed in cells 994 (Hisp) and 1189 (Cauc), and extract 387 (Hisp).

B44 was assigned in complete consensus, confirmed as B*44:02 (42%).

The C-locus antigens were Cw2 (55%) and Cw5 (49%). The C-locus alleles were C*02:02 (41%) and C*05:01 (42%).

The B*27:02-C*02:02 association was found in each of the previous B*27:02 exchange donors. The other association, B*44:02-C*05:01, is found in all populations and is the third most frequently found association in Caucasians, with HF=0.07869.

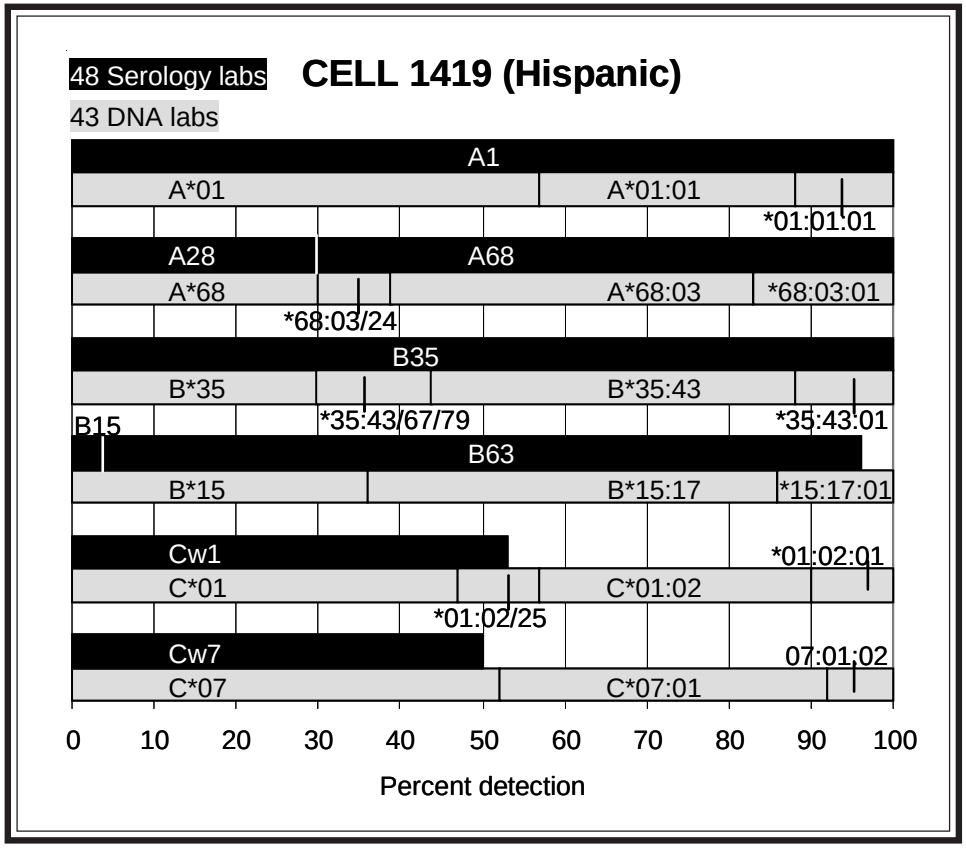
Cell 1419. B35 was typed in complete consensus in this Hispanic donor. B*35:43 was assigned by 56%. Previous exchange donors with the same B*35 allele were cells 983 (Cauc), 1352 (Hisp), 1380 (Hisp), and 1414 (Hisp).

B63 was assigned by 92% and validated as B*15:17 (65%).

A1 and A28 were assigned in complete agreement, with 71% reporting A68. The A*68 allele was A*68:03 (61%).

Cw1 (54%) and Cw7 (50%) were confirmed as C*01:02 (44%) and C*07:01 (47%), respectively. C*07:01:02 was assigned by Tavoularis, Tilanus, and Turner.

B*35:43-C*01:02 was present in all previous B*35:43 exchange donors. A*68:03-B*35:43-C*01:02 was also found in cells 1352 and 1380. The other haplotype may be A*01:01-B*15:17-C*07:01



Cell 1420. This Hispanic donor was previously typed as cell 1385 in 2010, as correctly identified by McCluskey and Pancoska.

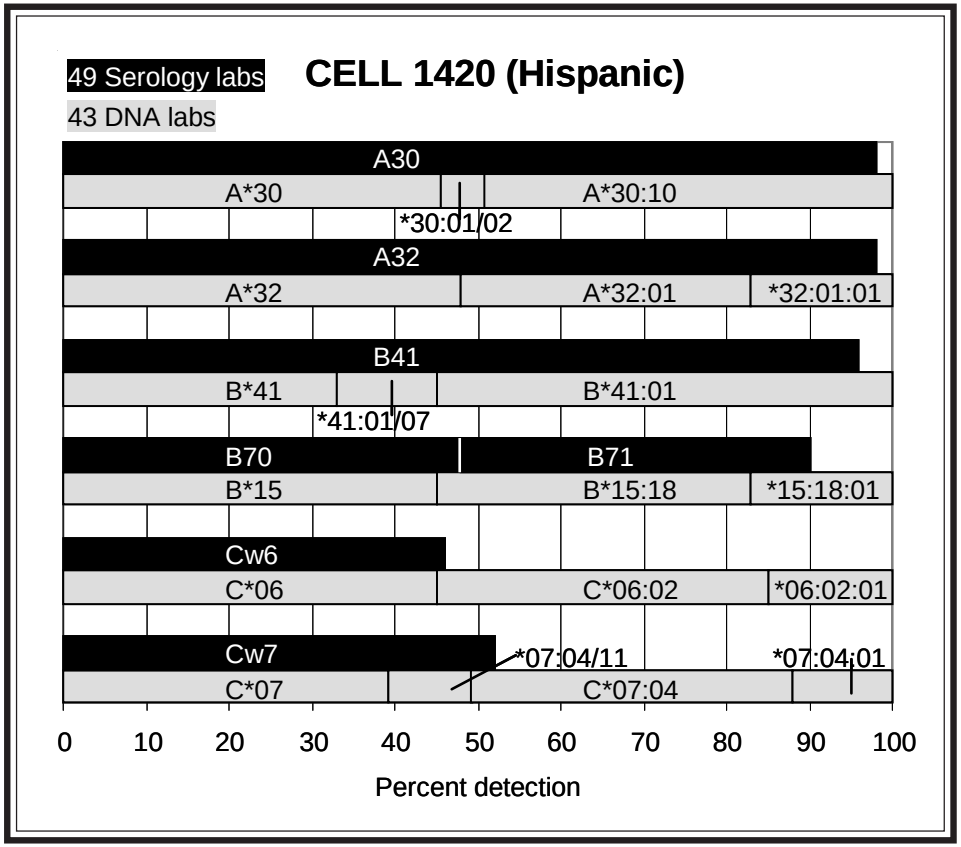
In this present retyping, A30 was detected by 98% and A*30:10 was assigned by 49%. In the initial typing, A*30:10 was reported by 38%, A*30:02/10/12 by 11%, and A*30:02/10 by 6%.

A32 was assigned by 98%, confirmed as A*32:01 by 53%.

B41 (96%) was verified as B*41:01 (55%).

B70 was typed by 92% and the B71 (43%) split was corroborated as B*15:18 (56%).

The likely haplotypes in this cell were A*30:10-B*41:01-C*06:02 and A*32:01-B*15:18-C*07:04. The NMDP Bioinformatics web site listed A*30:10 as being found only in association with B*41:01 and C*06:02, with HF=0.0086, and was detected only in Hispanics.



References

1. Guttridge MG, Thompson J, Street J, and Darke C. Identification, sequencing and serology of HLA-B*3527. Tissue Antigens 1999;53:383.

2. Guttridge MG, Street J, Thomas M and Darke C. Identification of HLA-A*0224: implications for PCR-SSP. Tissue Antigens 1999;53:190.

3. Steiner NK, Kosman C, Jones PF, et al. Twenty-nine new HLA-B alleles associated with antigens in the 5C CREG. Tissue Antigens 2001;57:481.

4. Gourley IS, Kearns J, Hou J, et al. Novel HLA-B alleles identified in potential marrow donors: B*3917, B*1405 and B*3528. Tissue Antigens 2001;58:201.

5. Holdsworth R, Hurley CK, Marsh SGE, et al. The HLA dictionary 2008: a summary of HLA-A, -B, -C, -DRB1/3/4/5, and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. Tissue Antigens 2009:73:95.

NEXT MAILING DATE: April 6, 2011

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	INVESTIGATOR	DNA EXTRACT #505 (Caucasian)						
CTR	NAME	A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*010101	*290201	*080101	*3527	*04	*07	RVSSO,SBT
4691	Ajlan,Abdula	*01	*29	*08	*35	*04	*07	SSO
5133	Baker,Judy	*01	*29	*08	*35	*04	*07	SSP
4345	Blasczyk,Rai	*01:01:01G	*29:02	*08:01:01G	*35:27	*04:01:01G	*07:01:01G	PCR-SBT
785	Chan,Soh Ha	*01/*3604	*2902/03	*0801/19N/47	*3501/27/40N/42+	*0401/09N/28+	*0701/06/09/18+	SBT
8021	Clark,Brenda	*0101/04N/06+	*2901-12/15-17+	*0801/06-08N+	*350802/27/56	*040101-0104+	*0701/06/07+	PCR-SSP
5219	Daniel,Dolly	*01	*29	*08	*35			PCR-SSOP
5323	Dhaliwal,J.S	*01	*29	*08	*35	*04	*07	PCR-SSP
5891	Du,Keming	*0101	*2902	*0801/37	*3501/04	*0401	*0701	PCR-SBT
3766	Dunn,Paul	*01	*29	*08	*35:27	*04	*07	SSO,SSP
2332	Elkhalifa,Mo	*01	*29	*08	*35	*04	*07	
4251	Ellis,Thomas	*01:01	*29:02	*08:01	*35:27	*04:01	*07:01	PCR-SSO,SEQ
3135	Enczmann,J.	*01:01	*29:02	*08:01	*35:27	*04:01/09N/30	*07:01/06/18	PCR-SSO,SBT
762	Fischer&Mayr	*01:01/04N/22N/32+	*29:02	*08:01/19N	*35:27	*04:01/09N/28+	*07:01/06/18/52	SSO,SSP,SBT
1694	Gottwald&Hes	*01	*29	*08	*35	*04	*07	SSP
1461	Hidajat,Mela	*01:01	*29:02	*08:01	*35:27	*04:01	*07:01	SBT,SSP
615	Holdsworth,R	*0101/01N/04N/22N+	*2902	*0801/19N	*3527	*0401/09N/28+	*0701/06/18/52	SBT
745	Holman,Richa	*01:01:01:01	*29:02:01	*08:01:01	*35:27	*04:01:01	*07:01	SSO,SSP,SBT
2344	Hurley&Hartz	*01:01:01:01+	*29:02:01:01+	*08:01:01/19N	*35:27	*04:01:01:01+	*07:01:01/01:02+	SBT
794	Jaatinen,Tai	*01:01	*29:02	*08:01	*35:27	*04:01/30	*07:01/18	SBT,SSO,SSP
797	Kato,Shunich	*01:01/01N	*29:02	*08:01/47	*35:27	*04:01/09N/30	*07:01/06/18	SSO,SBT
2847	Kihara,Masaa	*01	*29	*08	*35	*04	*07	RVSSO
5096	Koh,Eun-mi	*01	*29	*08	*35			SSOP
87	Land,Geoff	*0101	*2902	*0801	*3527	*0401	*0701	SSP,SSO,SBT
278	Lee,Jar-How	*01:01/01N/36-39+	*29:02/21	*08:01/39	*35:27	*04:01	*07:01	SSP,RVSSOP
640	Lee,Kyung Wh	*01:01:01:01/*36:04	*29:02/03	*08:01:01	*35:27	*04:01:01G/29+	*07:01:01G/09+	PCR-SBT
1108	Linke,Robert	*01	*29	*08	*35	*04	*07	RVSSOP
9916	McIntyre,Joh	*01:01:01:01	*29:02:01	*08:01:01	*35:27	*04:01/38/39+	*07:01/103/104N+	SBT,SSP
8042	Muncher,Lior	*01:01	*29:02	*08:01	*35:27	*04:01	*07:01	SSOP,SSP
9001	Muncher_LR	*01	*29	*08	*35	*04	*07	SSOP,SSP
8022	Olerup,Olle	*01:01/45	*29:02	*08:01	*35:27	*04:01	*07:01	SSP
3648	Pereira,Noem	*01:01//*01:61	*29:02//*29:09	*08:01	*35:27	*04:01//*04:54	*07:01P//*07:28	RSSO,SSP,SBT
3966	Permpikul&Ve	*01	*29	*08	*35	*04	*07	PCR-SSP
2400	Phelan,Donna	*01:01/01N	*29:02	*08:01	*35:27	*04:01	*07:01	RSSO,SBT,SSP
735	Ramon,Daniel	*01:01	*29:02	*08:01	*35:27	*04:01	*07:01/06/18	SBT,RSSO,SSP
3753	Reed,Elaine	*0101/*3604	*2902/03	*0801/47	*3501/27/42/57	*0401/09N/29+	*0701/06/09/18	SBT,SSO
3798	Reinsmoen,N	*01:01:01/01N	*29:02:01	*08:01:01	*35:27	*04:01:01/09N+	*07:01/06/18	RSSO,SSP,SBT
4948	Sage,Deborah	*01:01	*29:02	*08:01	*35:27	*04:01/30/54	*07:01/06/18/28	SSO,SBT
3545	Scornik,Juan	*01:01/01N	*29:02	*08:01	*35:27	*04:01/09N/30	*07:01/06/18	SSOP,SBT
2020	Sutton,Maggi	*01:01:01:01	*29:02:01	*08:01:01	*35:27	*04:01:01/30	*07:01:01/01:02	PCR-SSP,SBT
13	Tagliere,Jac	*01:01	*29:02	*08:01	*35:27	*04:01	*07:01	
4021	Trachtenberg	*01	*29	*08	*35	*04	*07	SSO,SSP
5462	Turner,E.V.	*01:01/01N	*29:02:01	*08:01:01	*35:27	*04:01	*07:01	SEQ,SSO,SSP
3186	Watson,Narel	*01	*29	*08	*35	*04	*07	SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #506 (Caucasian) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*010101	*0224	*070201/61	*370101	*06	*07	RVSSO,SBT
4691	Ajlan,Abdula	*01	*02	*07	*37	*06	*07	SSO
5133	Baker,Judy	*01	*02	*07	*37	*06	*07	SSP
4345	Blasczyk,Rai	*01:01:01G	*02:24	*07:02:01G	*37:01	*06:02	*07:02:01G	PCR-SBT
785	Chan,Soh Ha	*01/*3604	*02	*0702/44/49N/58+	*3701	*0602/11	*0702/27/50/66+	SBT
8021	Clark,Brenda	*0101/04N/06+	*020105/0117/24+	*0702/04/10+	*3701/03N-05+	*0602/03/07+	*0702/03/10+	PCR-SSP
5219	Daniel,Dolly	*01	*02	*07	*37			PCR-SSOP
5323	Dhaliwal,J.S	*01	*02	*07	*37	*06	*07	PCR-SSP
5891	Du,Keming	*0101	*0201	*0702	*3701	*0602	*0702	PCR-SBT
3766	Dunn,Paul	*01	*02	*07	*37:01/30N/15+	*06	*07	SSO,SSP
2332	Elkhalifa,Mo	*01	*02	*07	*37	*06	*07	
4251	Ellis,Thomas	*01:01	*02:24	*07:02	*37:01	*06:02	*07:02	PCR-SSO,SEQ
3135	Enczmann,J.	*01:01	*02:24	*07:02	*37:01	*06:02	*07:02	PCR-SSO,SBT
762	Fischer&Mayr	*01:01/04N/22N/32+	*02:24	*07:02/44/49N/58+	*37:01/23	*06:02	*07:02/50/66/74	SSO,SSP,SBT
1694	Gottwald&Hes	*01	*02	*07	*37	*06	*07	SSP
1461	Hidajat,Mela	*01:01	*02:24	*07:02	*37:01	*06:02	*07:02	SBT,SSP
615	Holdsworth,R	*0101/01N/04N/22N+	*0224	*0702/44/49N/58+	*3701	*0602	*0702/50/66/74	SBT
745	Holman,Richa	*01:01:01:01	*02:24	*07:02:01	*37:01:01	*06:02:01	*07:02:01	SSO,SSP,SBT
2344	Hurley&Hartz	*01:01:01:01+	*02:24	*07:02:01/02:06+	*37:01:01/23	*06:02:01:01+	*07:02:01:01+	SBT
794	Jaatinen,Tai	*01:01	*02:24	*07:02/61	*37:01	*06:02	*07:02/50	SBT,SSO,SSP
797	Kato,Shunich	*01:01/01N	*02:24	*07:02/61	*37:01	*06:02/11	*07:02/50/76	SSO,SBT
2847	Kihara,Masaa	*01	*02	*07	*37	*06	*07	RVSSO
5096	Koh,Eun-mi	*01	*02	*07	*37			SSOP
87	Land,Geoff	*0101	*0224	*0702	*3701	*0602	*0702	SSP,SSO,SBT
278	Lee,Jar-How	*01:01/01N/36-38+	*02:24	*07:02/61	*37:01/15/18/20	*06:02	*07:02	SSP,RVSSOP
640	Lee,Kyung Wh	*01:01:01:01	*02:24	*07:02:01/61	*37:01	*06:02	*07:02/50	PCR-SBT
1108	Linke,Robert	*01	*02	*07	*37	*06	*07	RVSSOP
9916	McIntyre,Joh	*01:01:01:01	*02:24	*07:02:01	*37:01:01	*06:02/38/39+	*07:02/66/100+	SBT,SSP
8042	Muncher,Lior	*01:01	*02:24	*07:02	*37:01	*06:02	*07:02	SSOP,SSP
9001	Muncher_LR	*01	*02	*07	*37	*06	*07	SSOP,SSP
8022	Olerup,Olle	*01:01/45	*02:24	*07:02	*37:01	*06:02	*07:02	SSP
3648	Pereira,Noem	*01:01	*02:24	*07:02P	*37:01	*06:02	*07:02P	RSSO,SSP,SBT
3966	Permpikul&Ve	*01	*02	*07	*37	*06	*07	PCR-SSP
2400	Phelan,Donna	*01:01/01N	*02:24	*07:02/61	*37:01	*06:02	*07:02/50	RSSO,SBT,SSP
735	Ramon,Daniel	*01:01	*02:24	*07:02/61	*37:01	*06:02	*07:02/50	SBT,RSSO,SSP
3753	Reed,Elaine	*0101	*0224	*0702/61	*3701	*0602/11	*0702/50/76	SBT,SSO
3798	Reinsmoen,N	*01:01:01/01N	*02:24	*07:02:01/61	*37:01:01	*06:02:01	*07:02:01/50	RSSO,SSP,SBT
4948	Sage,Deborah	*01:01	*02:24	*07:02/61	*37:01	*06:02/47	*07:02/27/50	SSO,SBT
3545	Scornik,Juan	*01:01/01N	*02:24	*07:02/61	*37:01	*06:02	*07:02/50	SSOP,SBT
2020	Sutton,Maggi	*01:01:01:01	*02:24	*07:02:01/61	*37:01:01	*06:02:01	*07:02:01/50	PCR-SSP,SBT
13	Tagliere,Jac	*01:01	*02:24	*07:02	*37:01	*06:02	*07:02	
4021	Trachtenberg	*01	*02	*07	*37	*06	*07	SSO,SSP
5462	Turner,E.V.	*01:01/01N	*02:24	*07:02/61	*37:01:01	*06:02/11	*07:02/76	SEQ,SSO,SSP
3186	Watson,Narel	*01	*02	*07	*37	*06	*07	SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #507 (Hispanic) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*020101	*020601	*1530	*3528	*01	*04	RVSSO,SBT
4691	Ajlan,Abdula	*02	*02	*15	*35	*01	*04	SSO
5133	Baker,Judy	*02		*1530/58/*9550	*3510/13/16/28+	*01	*04	SSP
4345	Blasczyk,Rai	*02:01:01G	*02:06:01G	*15:30	*35:28	*01:02:01G	*04:01:01G	PCR-SBT
785	Chan,Soh Ha	*02		*1530	*3528	*0102/11/14+	*0401/09N/10/28+	SBT
8021	Clark,Brenda	*02		*150101-0104+	*3510/13/16+	*0102/03/06+	*040101-0104+	PCR-SSP
5219	Daniel,Dolly	*02	*02	*15	*35			PCR-SSOP
5323	Dhaliwal,J.S	*02		*15	*35	*01	*04	PCR-SSP
5891	Du,Keming	*0201	*0206	*1530	*3520	*0102/11	*0401	PCR-SBT
3766	Dunn,Paul	*02:01G	*02:06G	*15:30	*35:28	*01	*04	SSO,SSP
2332	Elkhalifa,Mo	*02		*15	*35	*01	*04	
4251	Ellis,Thomas	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	PCR-SSO,SEQ
3135	Enczmann,J.	*02:01/01L	*02:06	*15:30	*35:28	*01:02	*04:01/09N/30	PCR-SSO,SBT
762	Fischer&Mayr	*02:01/01L/09/43N+	*02:06/126	*15:30	*35:28	*01:02/25	*04:01/09N/28/30+	SSO,SSP,SBT
1694	Gottwald&Hes	*02		*15	*35	*01	*04	SSP
1461	Hidajat,Mela	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	SBT,SSP
615	Holdsworth,R	*0201/09/43N/66+	*0206/*9226	*1530	*3528	*0102/25	*0401/09N/28/30+	SBT
745	Holman,Richa	*02:01:01	*02:06:01	*15:30	*35:28	*01:02	*04:01	SSO,SSP,SBT
2344	Hurley&Hartz	*02:01:01:01+	*02:06:01/126	*15:30	*35:28	*01:02:01+	*04:01:01:01+	SBT
794	Jaatinen,Tai	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	SBT,SSO,SSP
797	Kato,Shunich	*02:01/01L	*02:06	*15:30	*35:28	*01:02	*04:01/09N/30	SSO,SBT
2847	Kihara,Masaa	*02	*02	*15	*35	*01	*04	RVSSO
5096	Koh,Eun-mi	*02	*02	*15	*35			SSOP
87	Land,Geoff	*0201	*0206	*1530	*3528	*0102	*0401	SSP,SSO,SBT
278	Lee,Jar-How	*02:01/97/121/132+	*02:06/126/170+	*15:30	*35:28	*01:01/25	*04:01	SSP,RVSSOP
640	Lee,Kyung Wh	*02:01:01	*02:06:01	*15:30	*35:28	*01:02/14/17	*04:01:01G/10+	PCR-SBT
1108	Linke,Robert	*02	*02	*15	*35	*01	*04	RVSSOP
9916	McIntyre,Joh	*02:01:01:01	*02:06:01	*15:30	*35:28	*01:02/25-33+	*04:01/38-41/43+	SBT,SSP
8042	Muncher,Lior	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	SSOP,SSP
9001	Muncher_LR	*02		*15	*35	*01	*04	SSOP,SSP
8022	Olerup,Olle	*02:01	*02:06/144	*15:30	*35:28	*01:02	*04:01	SSP
3648	Pereira,Noem	*02:01/01L	*02:06	*15:30	*35:28	*01:02	*04:01	RSSO,SSP,SBT
3966	Permpikul&Ve	*02	*02	*15	*35	*01	*04	PCR-SSP
2400	Phelan,Donna	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	RSSO,SBT,SSP
735	Ramon,Daniel	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	SBT,RSSO,SSP
3753	Reed,Elaine	*0201	*0206	*1530	*3528	*0102/14/17	*0401/09N/10/29+	SBT,SSO
3798	Reinsmoen,N	*02:01:01/01L	*02:06:01	*15:30	*35:28	*01:02	*04:01:01/09N/30	RSSO,SSP,SBT
4948	Sage,Deborah	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01/09N/30	SSO,SBT
3545	Scornik,Juan	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01/09N/30	SSOP,SBT
2020	Sutton,Maggi	*02:01:01	*02:06:01	*15:30	*35:28	*01:02//*01:17	*04:01/30//*04:10	PCR-SSP,SBT
13	Tagliere,Jac	*02:01	*02:06	*15:30	*35:28	*01:02	*04:01	
4021	Trachtenberg	*02	*02	*15	*35	*01	*04	SSO,SSP
5462	Turner,E.V.	*02:01/02L	*02:06:01	*15:30	*35:28	*01:02	*04:01	SEQ,SSO,SSP
3186	Watson,Narel	*02		*15:30/45/63/77	*35	*01	*04	SSP

CTR	INVESTIGATOR NAME	DNA EXTRACT #508 (Hispanic) A1	A2	B1	B2	C1	C2	method
5488	Adams,Sharon	*2402	*3305	*140201	*4501	*080201	*160101	RVSSO,SBT
4691	Ajlan,Abdula	*24	*33	*14	*45	*05	*16	SSO
5133	Baker,Judy	*24	*33	*1402-04/06/09+	*45	*08	*16	SSP
4345	Blasczyk,Rai	*24:02:01G	*33:05	*14:02	*45:01:01G	*08:02	*16:01	PCR-SBT
785	Chan,Soh Ha	*24	*3305	*1402	*4501/07	*0802	*1601	SBT
8021	Clark,Brenda	*2402/03/07+	*3301/03-07+	*1402-04/09	*4501/03/05+	*0802/04/05+	*1601/08/10+	PCR-SSP
5219	Daniel,Dolly	*24	*33	*14	*45			PCR-SSOP
5323	Dhaliwal,J.S	*24	*33	*14	*45	*08	*16	PCR-SSP
5891	Du,Keming	*2402	*3305	*1402	*4501	*0802	*1601	PCR-SBT
3766	Dunn,Paul	*24	*33	*14:02/09/16-18	*45:01-03/07	*08	*16	SSO,SSP
2332	Elkhalifa,Mo	*24	*33	*14	*45	*08	*16	
4251	Ellis,Thomas	*24:02P	*33:05	*14:02	*45:01	*08:02	*16:01	PCR-SSO,SEQ
3135	Enczmann,J.	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	PCR-SSO,SBT
762	Fischer&Mayr	*24:02/09N/11N+	*33:05	*14:02	*45:01/07	*08:02	*16:01	SSO,SSP,SBT
1694	Gottwald&Hes	*24	*33	*14	*45	*08	*16	SSP
1461	Hidajat,Mela	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SBT,SSP
615	Holdsworth,R	*2402/09N/11N/40N+	*3305	*1402	*4501/07	*0802	*1601	SBT
745	Holman,Richa	*24:02	*33:05	*14:02:01	*45:01	*08:02:01	*16:01:01	SSO,SSP,SBT
2344	Hurley&Hartz	*24:02:01:01+	*33:05	*14:02:01	*45:01/07/13	*08:02	*16:01:01	SBT
794	Jaatinen,Tai	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SBT,SSO,SSP
797	Kato,Shunich	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSO,SBT
2847	Kihara,Masaa	*24	*33	*14	*45	*08	*16	RVSSO
5096	Koh,Eun-mi	*24	*33	*14	*45			SSOP
87	Land,Geoff	*2402	*3305	*1402	*4501	*0802	*1601	SSP,SSO,SBT
278	Lee,Jar-How	*24:02	*33:05	*14:02/16-18	*45:01/07	*08:02	*16:01	SSP,RVSSOP
640	Lee,Kyung Wh	*24:02	*33:05	*14:02:01	*45:01	*08:02:01	*16:01:01	PCR-SBT
1108	Linke,Robert	*24	*33	*14	*45	*08/*05:20/32	*16	RVSSOP
9916	McIntyre,Joh	*24:02:01:01	*33:05	*14:02:01	*45:01	*08:02/28/30+	*16:01/13-18/21+	SBT,SSP
8042	Muncher,Lior	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSOP,SSP
9001	Muncher_LR	*24	*33	*14	*45	*08	*16	SSOP,SSP
8022	Olerup,Olle	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSP
3648	Pereira,Noem	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	RSSO,SSP,SBT
3966	Permpikul&Ve	NT						
2400	Phelan,Donna	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	RSSO,SBT,SSP
735	Ramon,Daniel	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SBT,RSSO,SSP
3753	Reed,Elaine	*2402	*3305	*1402	*4501	*0802	*1601	SBT,SSO
3798	Reinsmoen,N	*24:02/02L	*33:05	*14:02:01	*45:01	*08:02:01	*16:01:01	RSSO,SSP,SBT
4948	Sage,Deborah	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSO,SBT
3545	Scornik,Juan	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSOP,SBT
2020	Sutton,Maggi	*24:02:01:01/02:40	*33:05	*14:02:01	*45:01	*08:02:01	*16:01:01	PCR-SSP,SBT
13	Tagliere,Jac	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	
4021	Trachtenberg	*24	*33	*14	*45	*08	*16	SSO,SSP
5462	Turner,E.V.	*24:02:01:01/02L	*33:05	*14:02:01	*45:01	*08:02:01	*16:01:01	SEQ,SSO,SSP
3186	Watson,Narel	*24	*33	*14:02/03/05/06+	*45	*08	*16	SSP

SUMMARY

Extract 505 (Caucasian)

44 labs	
A*01	50%
A*01:01/01N	9%
A*01:01:01/01N	2%
A*01:01	18%
A*0101	5%
A*010101	2%
A*01:01:01:01	7%
A*01	93% TOTAL
A*29	48%
A*29:02	32%
A*2902	7%
A*29:02:01	11%
A*290201	2%
A*29	100% TOTAL

44 labs	
B*08	46%
B*08:01/19N	9%
B*08:01	27%
B*0801	2%
B*08:01:01	14%
B*080101	2%
B*08	100% TOTAL
B*35	39%
B*35:27	54%
B*3527	7%
B*35	100% TOTAL

42 labs	
C*04	71%
C*04:01	22%
Cw*0401	5%
C*04:01:01	2%
C*04	100% TOTAL
C*07	57%
C*07:01/06/18	12%
C*07:01/18	2%
C*07:01	24%
Cw*0701	5%
C*07	100% TOTAL

Extract 506 (Caucasian)

44 labs	
A*01	48%
A*01:01/01N	9%
A*01:01:01/01N	2%
A*01:01	21%
A*0101	7%
A*010101	2%
A*01:01:01:01	9%
A*01	98% TOTAL
A*02	37%
A*0201	2%
A*02:24	52%
A*0224	9%
A*02	100% TOTAL

44 labs	
B*07	48%
B*07:02/61	18%
B*0702/61	2%
B*07:02:01/61	7%
B*070201/61	2%
B*07:02	13%
B*0702	5%
B*07:02:01	5%
B*07	100% TOTAL
B*37	42%
B*37:01	34%
B*3701	11%
B*37:01:01	11%
B*370101	2%
B*37	100% TOTAL

42 labs	
C*06	50%
C*06:02	36%
Cw*0602	7%
C*06:02:01	7%
C*06	100% TOTAL
C*07	59%
C*07:02/50	12%
C*07:02:01/50	5%
C*07:02	17%
Cw*0702	5%
C*07:02:01	2%
C*07	100% TOTAL

Extract 507 (Hispanic)

44 labs	
A*02	59%
A*02:01	23%
A*0201	7%
A*02:01:01	7%
A*020101	2%
A*02:01:01:01	2%
A*02	100% TOTAL
A*02	50%
A*02:06	27%
A*0206	7%
A*02:06:01	14%
A*020601	2%
A*02	100% TOTAL

44 labs	
B*15	32%
B*15:30	54%
B*1530	14%
B*15	100% TOTAL
B*35	32%
B*3520	2%
B*35:28	55%
B*3528	11%
B*35	100% TOTAL

42 labs	
C*01	60%
C*01:02	38%
Cw*0102	2%
C*01	100% TOTAL
C*04	55%
C*04:01/09N/30	10%
C*04:01:01/09N/30	2%
C*04:01	28%
Cw*0401	5%
C*04	100% TOTAL

Extract 508 (Hispanic)

43 labs	
A*24	54%
A*24:02	35%
A*2402	9%
A*24:02:01:01	2%
A*24	100% TOTAL
A*33	33%
A*33:05	53%
A*3305	14%
A*33	100% TOTAL

43 labs	
B*14	35%
B*14:02	35%
B*1402	12%
B*14:02:01	16%
B*140201	2%
B*14	100% TOTAL
B*45	37%
B*45:01/07	5%
B*4501/07	5%
B*45:01	44%
B*4501	9%
B*45	100% TOTAL

41 labs	
C*08	27%
C*08:02	42%
Cw*0802	12%
C*08:02:01	12%
Cw*080201	2%
C*08	95% TOTAL
C*16	32%
C*16:01	39%
Cw*1601	12%
C*16:01:01	15%
Cw*160101	2%
C*16	100% TOTAL

CTR	INVESTIGATOR NAME	CELL NO.1417 (Asian) A1	A2	B1	B2	C1	C2	method
774	Cecka,J.Mich	*02:03/135/171		*54:01/13/17-19	*15:12/19	*01	*04	SSP
5232	Charlton,Ron	*0203	*0203	*5401	*1512	*0102	*0403	RVSSO,SSP
4492	Charron,D.	NT						
4492	Charron_LR	*02		*54	*15	*01	*04:03	
798	Claas,F.H.J.	*02:03:01		*54:01	*15:12	*01:02	*04:03	SBT,SSP
3632	Colombe,Beth	*02:03		*54:01	*15:12	*01:02	*04:03	SSOP,SSP
5130	Costeas,Paul	*02:03		*54:01	*15:12	*01:02	*04:03	SSO,SSP
779	Daniel,Claud	*02:03		*54	*15:12/19	*01	*04	PCR-SSP
8052	Del Pozo,Ana	*0203/*9248		*54	*1512/19			PCR-SSOP
3766	Dunn,Paul	*02:03/148/171		*54	*15:12	*01	*04:03	SSO,SSP,SBT
5214	Eckels/CPMC	*02(A203)	*02(A203)	*54	*15(B76)	*01	*04	SSO
4251	Ellis,Thomas	*02:03	*02:03	*54:01	*15:12	*01:02	*04:03	PCR-SSO,SEQ
762	Fischer&Mayr	*02:03/253/264		*54:01/17	*15:12/19	*01:02/25	*04:03	RVSSO,SSP,SBT
792	Gandhi,Manis	*02:03		*54:01	*15:12	*01:02	*04:03	PCR-SSP,SSO
9002	Gideoni_LR	*02:03		*54:01	*15:12	*01:02	*04:03	SSOP,SSP
810	Hamdi,Nuha	*0203	*0203	*54:01	*15:12	*0102	*0403	SSO
4269	Hanau,Daniel	*02:03:01		*54:01	*15:12	*01:02	*04:03	PCR-SSP,SBT
741	Harville,Ter	*02:03		*54:01	*15:12	*01:02	*04;03	RVSSO
3808	Hogan,Patric	*02		*54	*15:12	*01	*04:03/06/16	
745	Holman,Richa	*02:03:01		*54:01	*15:12	*01:02:01	*04:03	SSO,SSP,SBT
771	Israel,Shosh	*02:03		*54:01	*15:12	*01:02	*04:03	
9003	Israel_LR	*02		*54	*15	*01	*04	
859	Kamoun,Malek	*02:03		*54:01	*15:12	*01:02	*04:03	
4337	Kim,Tai-Gyu	*02:03		*54:01/17	*15:12/19	*01:02/25	*04:03	SBT
9000	Klein_LR	*02:03		*54:01	*15:12	*01:02	*04:03	PCR-SSP,SSO
278	Lee,Jar-How	*02:03		*54:01/17	*15:12	*01:02/25	*04:03	SSP,RVSSOP
6649	Lim,Young Ae	*02		*54	*15(B76)	*01	*04	SSP
731	Loewenthal,R	*02:03:01		*54:01	*15:12	*01:02:01	*04:03	
759	Lopez-Cepero	*02:03/148/171		*54:01/02/07/13+	*15:12/19	*01:02/03/07/08+	*04:03	RVSSO
23	Mah,Helen	*02:03	*02:03	*54:01/17	*15:12/19	*01	*04:03	SSO
8029	Mani,Rama	*02		*54	*15			PCR-SSP
206	McAlack-Hana	*02	*02	*54	*15(B76)	*01	*04:03	RVSSOP
16	Pidwell/Aska	*02:03:01		*54:01	*15:12	*01:02	*04:03	PCR-RSSOP,SBT
8001	Rao,Prakash	*02		*54	*1512	*01	*04	RVSSOP,SSP
3625	Rees,Tracey	*02:03		*54:01	*15:12	*01:02/25	*04:03	PCR-SSP,SBT
5200	Reinke,Denni	*02		*54	*15(B76)	*01	*04	SSP
1160	Rosen-Bronso	*02		*54	*15:12/19	*01	*04:03	RVSSO
793	Rubocki,Ron	*02		*54	*15(B76)	*01	*04	PCR-SSP
3519	Semana,Gilbe	*02:03		*54:01	*15:12	*01:02	*04:03	SBT,PCR-SSP
769	Tavoularis,S	*02:03		*54:01	*15:12	*01:02:01	*04:03	SSO,SBT,SSP
747	Tiercy,Jean-	*02:03:01		*54:01:01	*15:12	*01:02:01/02:11	*04:03	P-SSO,SSP,SBT
5451	Tilanus,Marc	*02:03:01		*54:01:01	*15:12	*01:02	*04:03	SBT
5462	Turner,E.V.	*02:03:01		*54:01	*15:12	*01:02:01	*04:03	SEQ,SSO,SSP
5642	Varnavidou-N	*02		*54	*15	*01	*04	PCR-SSP,SSO
3186	Watson,Narel	*02		*54	*15:12/19	*01	*04	SSP

INVESTIGATOR	CELL NO.1418 (Caucasian)						
CTR NAME	A1	A2	B1	B2	C1	C2	method
774 Cecka,J.Mich	*01	*02	*27	*44	*02	*05	SSP
5232 Charlton,Ron	*0101	*0201	*2702	*4402	*0202	*0501	RVSSO,SSP
4492 Charron,D.	NT						
4492 Charron_LR	*01	*02	*27	*44	*02	*05	
798 Claas,F.H.J.	*01:01:01:01	*02:01:01	*27:02	*44:02:01:01	*02:02/13/15	*05:01/14/15	SSP,SBT-A,B
3632 Colombe,Beth	*01:01	*02:01	*27:02	*44:02	*02:02	*05:01	SSOP,SSP
5130 Costeas,Paul	*01:01/09	*02:01	*27:02	*44:02/53	*02:02	*05:01	SSO,SSP
779 Daniel,Claud	*01	*02	*27	*44	*02	*05	PCR-SSP
8052 Del Pozo,Ana	*01	*02	*2702/30	*44			PCR-SSOP
3766 Dunn,Paul	*01	*02	*27:02/30/53/57	*44:02G	*02	*05	SSO,SSP,SBT
5214 Eckels/CPMC	*01	*02	*27	*44	*02	*05	SSO
4251 Ellis,Thomas	*01:01/01N	*02:01/01L	*27:02	*44:02	*02:02	*05:01	PCR-SSO,SEQ
762 Fischer&Mayr	*01:01/04N/22N+	*02:01/09/43N+	*27:02	*44:02/19N/27/66	*02:02/29	*05:01/03/37	RVSSO,SSP.SBT
792 Gandhi,Manis	*01:01	*02:01	*27:02	*44:02	*02:02	*05:01	PCR-SSP,SSO
9002 Gideoni_LR	*01:01	*02:01	*27:02	*44:02	*02:02	*05:01	SSOP,SSP
810 Hamdi,Nuha	*01:01	*02:01	*27:02	*44:02	*0202	*0501	SSO
4269 Hanau,Daniel	*01:01:01:01	*02:01:01:01/02L	*27:02	*44:02:01	*02:02:02	*05:01:01	PCR-SSP,SBT
741 Harville,Ter	*01:01	*02:02	*27:02	*44:02	*02:02	*05:01	RVSSO
3808 Hogan,Patric	*01	*02	*27	*44	*02	*05	
745 Holman,Richa	*01:01:01:01	*02:01:01	*27:02	*44:02:01	*02:02	*05:01	SSO,SSP,SBT
771 Israel,Shosh	*01:01	*02:01	*27:02	*44:02	*02:02	*05:01	
9003 Israel_LR	*01	*02	*27	*44	*02	*05	
859 Kamoun,Malek	*01:01	*02:01	*27:02	*44:02	*02:02/26/32	*05:01/08/26	
4337 Kim,Tai-Gyu	*01:01/04N/22N+	*02:01/09/43N+	*27:02	*44:02/19N/27/66	*02:02/29	*05:01/03/37	SBT
9000 Klein_LR	*01:01	*02:01	*27:02	*44:02	*02:02	*05:01	PCR-SSP,SSO
278 Lee,Jar-How	*01:01/01N/36+	*02:01/97/121+	*27:02	*44:02/02S/66/68+	*02:02/29	*05:01	SSP,RVSSOP
6649 Lim,Young Ae	*01	*02	*27	*44	*02	*05	SSP
731 Loewenthal,R	*01:01	*02:01	*27:02	*44:02:01	*02:02	*05:01/26	
759 Lopez-Cepero	*01:01/01N/02+	*02:01/07/09+	*27:02/30	*44:02/19N/23N+	*02:02	*05:01/03/05/06+	RVSSO
23 Mah,Helen	*01	*02	*27:02	*44:02/27	*02	*05	SSO
8029 Mani,Rama	*01	*02	*27	*44			PCR-SSP
206 McAlack-Hana	*01	*02	*27	*44	*02	*05	RVSSOP
16 Pidwell/Aska	*01:01:01	*02:01:01	*27:02	*44:02:01/19N	*02:02//*02:26+	*05:01//*05:26+	PCR-RSSOP,SBT
8001 Rao,Prakash	*01	*02	*27	*44	*02	*05	RVSSOP,SSP
3625 Rees,Tracey	*01:01	*02:01	*27:02	*44:02	*02:02/29	*05:01	PCR-SSP,SBT
5200 Reinke,Denni	*01	*02	*27	*44	*02	*05	SSP
1160 Rosen-Bronso	*01	*02	*27	*44	*02	*05	RVSSO
793 Rubocki,Ron	*01	*02	*27	*44	*02	*05	PCR-SSP
3519 Semana,Gilbe	*01:01	*02:01	*27:02	*44:02	*02:02//*02:26	*05:01//*05:26	SBT,PCR-SSP
769 Tavoularis,S	*01:01/01N	*02:01	*27:02	*44:02/02S	*02:02	*05:01	SSO,SBT,SSP
747 Tiercy,Jean-	*01:01	*02:01	*27:02	*44:02	*02:02	*05:01	PCR-SSO,SSP
5451 Tilanus,Marc	*01:01:01:01	*02:01:01	*27:02	*44:02:01:01	*02:02:02	*05:01:01	SBT
5462 Turner,E.V.	*01:01/01N	*02:01:01/02L	*27:02	*44:02:01:01/02S	*02:02/26/32	*05:01/08/26	SEQ,SSO,SSP
5642 Varnavidou-N	*01	*02	*27	*44	*02	*05/*12	PCR-SSP,SSO
3186 Watson,Narel	*01	*02	*27	*44	*02	*05	SSP

CTR	INVESTIGATOR NAME	CELL NO.1419 (Hispanic) A1	A2	B1	B2	C1	C2	method
774	Cecka,J.Mich	*01	*68	*35:43/67/79/86	*15:17/162/168+	*01	*07	SSP
5232	Charlton,Ron	*0101	*6803	*3543	*1517	*0102	*0701	RVSSO,SSP
4492	Charron,D.	*01:01/34-65	*68:03	*35:43	*15:17/196	*01:02/25-40	*07:01/98-134	PCR-SSP
4492	Charron_LR	*01	*68	*35	*15	*01	*07	
798	Claas,F.H.J.	*01:01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02:01	*07:01	SBT,SSP
3632	Colombe,Beth	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SSOP,SSP
5130	Costeas,Paul	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SSO,SSP
779	Daniel,Claud	*01	*68	*35	*15(B63)	*01	*07	PCR-SSP
8052	Del Pozo,Ana	*01	*6803/24	*3543/67/79	*1517			PCR-SSOP
3766	Dunn,Paul	*01	*68:03/24	*35:43	*15:17	*01	*07	SSO,SSP,SBT
5214	Eckels/CPMC	*01	*68	*35	*15(B63)	*01	*07	SSO
4251	Ellis,Thomas	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	PCR-SSO,SEQ
762	Fischer&Mayr	*01:01/04N/22N+	*68:03	*35:43/67/79	*15:17	*01:02/25	*07:01/06/18/52	RVSSO,SSP,SBT
792	Gandhi,Manis	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	PCR-SSP,SSO
9002	Gideoni_LR	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SSOP,SSP
810	Hamdi,Nuha	*01:01	*68:03	*35:43	*15:17	*0102	*0701	SSO
4269	Hanau,Daniel	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SBT
741	Harville,Ter	*01:01	*68:03	*35:43	*15:17	*01:02	*07:07	RVSSO
3808	Hogan,Patric	*01	*68	*35:43/67/79/86	*15:17/162/168+	*01	*07	
745	Holman,Richa	*01:01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02:01	*07:01	SSO,SSP,SBT
771	Israel,Shosh	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	
9003	Israel_LR	*01	*68	*35	*15	*01	*07	
859	Kamoun,Malek	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	
4337	Kim,Tai-Gyu	*01:01/04N/22N+	*68:03	*35:43/67/79	*15:17	*01:02/25	*07:01/18/52	SBT
9000	Klein_LR	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	PCR-SSP,SSO
278	Lee,Jar-How	*01:01/01N/36+	*68:03	*35:43/67/79	*15:17/162/177	*01:02/25	*07:01	SSP,RVSSOP
6649	Lim,Young Ae	*01	*68	*35	*15(B63)	*01	*07	SSP
731	Loewenthal,R	*01:01:01	*68:03:01	*35:43	*15:17:01	*01:02:01/17	*07:01/40	
759	Lopez-Cepero	*01:01/01N/04N+	*68:03/24	*35:43/67/79	*15:17	*01:02/07/11/15+	*07:01/06/16/18+	RVSSO
23	Mah,Helen	*01	*68:03	*35:43	*15:17	*01	*07	SSO
8029	Mani,Rama	*01	*68	*35	*15			PCR-SSP
206	McAlack-Hana	*01	*68	*35	*15(B63)	*01	*07	RVSSOP
16	Pidwell/Aska	*01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02//*01:17	*07:01:02//*07:40	PCR-RSSOP,SBT
8001	Rao,Prakash	*01	*68	*35	*1517	*01	*07	RVSSOP,SSP
3625	Rees,Tracey	*01:01	*68:03	*35:43	*15:17	*01:02/25	*07:01	PCR-SSP,SBT
5200	Reinke,Denni	*01	*68	*35	*15(B63)	*01	*07	SSP
1160	Rosen-Bronso	*01	*68:03/24	*35:43/67/79	*15:17/162/177	*01	*07	RVSSO
793	Rubocki,Ron	*01	*68	*35	*15(B63)	*01	*07	PCR-SSP
3519	Semana,Gilbe	*01:01	*68:03	*35:43	*15:17	*01:02	*07:01	SBT,PCR-SSP
769	Tavoularis,S	*01:01/01N	*68:03:01	*35:43	*15:17	*01:02:01	*07:01:02	SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*01:01:01:01	*68:03:01	*35:43:01	*15:17:01	*01:02	*07:01:02	SBT
5462	Turner,E.V.	*01:01:01:01/02N	*68:03:01	*35:43:01	*15:17:01:01/02	*01:02:01	*07:01:02	SEQ,SSO,SSP
5642	Varnavidou-N	*01	*68	*35	*15	*01	*07	PCR-SSP,SSO
3186	Watson,Narel	*01	*68	*35	*15	*01	*07	SSP

CTR	INVESTIGATOR NAME	CELL NO.1420 (Hispanic) A1	A2	B1	B2	C1	C2	method
774	Cecka,J.Mich	*30	*32	*41	*15:18/133/134+	*06	*07	SSP
5232	Charlton,Ron	*3002	*3201	*4101	*1518	*0602	*0704	RVSSO,SSP
4492	Charron,D.	*30:10	*32:01/19-24	*41:01/12	*15:18/197/198	*06:02/21-45	*07:04/139-142	PCR-SSP
4492	Charron_LR	*30	*32	*41	*15	*06	*07	
798	Claas,F.H.J.	*30:10	*32:01:01	*41:01	*15:18:01	*06:02:01	*07:04:01	SBT,SSP
3632	Colombe,Beth	*30:10	*32:01/19N	*41:01	*15:18	*06:02	*07:04	SSOP,SSP
5130	Costeas,Paul	*30:02/10	*32:01	*41:01	*15:18	*06:02/11	*07:04	SSO,SSP
779	Daniel,Claud	*30	*32	*41	*15(B71)	*06	*07	PCR-SSP
8052	Del Pozo,Ana	*3002/10/12	*32	*4101/07	*1518/72/*9534			PCR-SSOP
3766	Dunn,Paul	*30	*32	*41:01/07	*15:18/72/134/153	*06	*07:04/11/63	SSO,SSP,SBT
5214	Eckels/CPMC	*30	*32	*41	*15(B71)	*06	*07	SSO
4251	Ellis,Thomas	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	PCR-SSO,SEQ
762	Fischer&Mayr	*30:10	*32:01	*41:01	*15:18/198	*06:02	*07:04/11	RVSSO,SSP,SBT
792	Gandhi,Manis	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	PCR-SSP,SSO
9002	Gideoni_LR	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	SSOP,SSP
810	Hamdi,Nuha	*30:10	*32:01	*41:01	*15:18	*0602	*0704	SSO
4269	Hanau,Daniel	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	SBT
741	Harville,Ter	*30:02	*32:01	*41:01	*15:18	*06:02	*07:04	RVSSO
3808	Hogan,Patric	*30	*32	*41	*15	*06	*07:04/11/12/63	
745	Holman,Richa	*30:10	*32:01:01	*41:01	*15:18:01	*06:02:01	*07:04:01	SSO,SSP,SBT
771	Israel,Shosh	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	
9003	Israel_LR	*30	*32	*41	*15	*06	*07	
859	Kamoun,Malek	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	
4337	Kim,Tai-Gyu	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	SBT
9000	Klein_LR	*30:01	*32:01	*41:01/07	*15:18	*06:02	*07:04	PCR-SSP,SSO
278	Lee,Jar-How	*30:10	*32:01	*41:01	*15:18/153	*06:02	*07:04	SSP,RVSSOP
6649	Lim,Young Ae	*30	*32	*41	*15(B70)	*06	*07	SSP
731	Loewenthal,R	*30:10	*32:01:01	*41:01	*15:18:01	*06:02:01	*07:04:01/11	
759	Lopez-Cepero	*30:02/10/12	*32:01/05/08/11+	*41:01/07	*15:18/72/134/153	*06:02/07/10/12+	*07:04/11/63	RVSSO
23	Mah,Helen	*30	*32	*41:01	*15:18	*06	*07:04/11	SSO
8029	Mani,Rama	*30	*32	*41	*15			PCR-SSP
206	McAlack-Hana	*30	*32	*41	*15(B71)	*06	*07	RVSSOP
16	Pidwell/Aska	*30:10	*32:01:01	*41:01	*15:18:01	*06:02:01	*07:04:01/11	PCR-RSSOP/SBT
8001	Rao,Prakash	*30	*32	*41	*1518	*06	*07	RVSSOP,SSP
3625	Rees,Tracey	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	PCR-SSP,SBT
5200	Reinke,Denni	*30	*32	*41	*15(B70)	*06	*07	SSP
1160	Rosen-Bronso	*30	*32	*41:01/07	*15	*06	*07	RVSSO
793	Rubocki,Ron	*30	*32	*41	*15(B71)	*06	*07	PCR-SSP
3519	Semana,Gilbe	*30:10	*32:01	*41:01	*15:18	*06:02	*07:04	SBT,PCR-SSP
769	Tavoularis,S	*30:10	*32:01:01	*41:01	*15:18:01	*06:02	*07:04:01	SSO,SBT,SSP
747	Tiercy,Jean-	NT						
5451	Tilanus,Marc	*30:10	*32:01:01	*41:01	*15:18:01	*06:02:01	*07:04:01	SBT
5462	Turner,E.V.	*30:10	*32:01:01	*41:01	*15:18:01	*06:02:01	*07:04:01	SEQ,SSO,SSP
5642	Varnavidou-N	*30	*32	*41	*15	*06	*07	PCR-SSP,SSO
3186	Watson,Narel	*30	*32	*41	*15:18/29/51/52+	*06	*07	SSP

SUMMARY

Cell 1417 (Asian)	
44 labs	
A*02	41%
A*02:03	36%
A*0203	5%
A*02:03:01	18%
A*02	100% TOTAL

Cell 1418 (Caucasian)	
44 labs	
A*01	59%
A*01:01	28%
A*0101	2%
A*01:01:01	2%
A*01:01:01:01	9%
A*01	100% TOTAL
A*02	57%
A*02:01	30%
A*0201	2%
A*02:01:01	9%
A*02:02	2%
A*02	100% TOTAL

Cell 1419 (Hispanic)	
44 labs	
A*01	57%
A*01:01	29%
A*0101	2%
A*01:01:01	5%
A*01:01:01:01	7%
A*01	100% TOTAL
A*68	32%
A*68:03/24	7%
A*6803/24	2%
A*68:03	41%
A*6803	2%
A*68:03:01	16%
A*68	100% TOTAL

Cell 1420 (Hispanic)	
44 labs	
A*30	46%
A*30:01	2%
A*30:02	2%
A*3002	2%
A*30:10	48%
A*30	100% TOTAL
A*32	48%
A*32:01	34%
A*3201	2%
A*32:01:01	16%
A*32	100% TOTAL

44 labs	
B*54	41%
B*54:01/07	9%
B*54:01	43%
B*5401	2%
B*54:01:01	5%
B*54	100% TOTAL
B*15	20%
B*15:12/19	18%
B*1512/19	2%
B*15:12	55%
B*1512	5%
B*15	100% TOTAL

44 labs	
B*27	41%
B*27:02	57%
B*2702	2%
B*27	100% TOTAL
B*44	59%
B*44:02	27%
B*4402	2%
B*44:02:01	7%
B*44:02:01:01	5%
B*44	100% TOTAL

44 labs	
B*35	32%
B*35:43/67/79	14%
B*35:43	41%
B*3543	2%
B*35:43:01	11%
B*35	100% TOTAL
B*15	36%
B*15:17	43%
B*1517	7%
B*15:17:01	14%
B*15	100% TOTAL

44 labs	
B*41	34%
B*41:01/07	12%
B*41:01	52%
B*4101	2%
B*41	100% TOTAL
B*15	45%
B*15:18	34%
B*1518	5%
B*15:18:01	16%
B*15	100% TOTAL

42 labs	
C*01	43%
C*01:02/25	9%
C*01:02	34%
Cw*0102	5%
C*01:02:01	9%
C*01	100% TOTAL
C*04	26%
C*04:03	69%
Cw*0403	5%
C*04	100% TOTAL

42 labs	
C*02	50%
C*02:02/29	9%
C*02:02	31%
Cw*0202	5%
C*02:02:02	5%
C*02	100% TOTAL
C*05	57%
C*05:01	31%
Cw*0501	5%
C*05:01:01	5%
C*05	98% TOTAL

42 labs	
C*01	48%
C*01:02/25	9%
C*01:02	29%
Cw*0102	5%
C*01:02:01	9%
C*01	100% TOTAL
C*07	52%
C:07:01	33%
Cw*0701	5%
C*07:01:02	8%
c*07:07	2%
C*07	100% TOTAL

42 labs	
C*06	45%
C*06:02	36%
Cw*0602	5%
C*06:02:01	14%
C*06	100% TOTAL
C*07	40%
C*07:04/11	5%
C*07:04:01/11	5%
C*07:04	33%
Cw*0704	5%
C*07:04:01	12%
C*07	100% TOTAL

INTERNATIONAL CELL EXCHANGE

		CELL NO.1417								CELL NO.1418									CELL NO.1419									CELL NO.1420								
INVESTIGATOR		VIA B %	A 2	B 5 4	B 7 6	C W 1 3	C 4 0	B W 6	(ASIA) OTHERS	VIA B %	A 1	A 2	B 2	B 4	C W 2	C W 5	B W 4	(CAUC) OTHERS	VIA B %	A 1	A 6	B 3	B 6	C W 1	C W 7	B W 4	B W 6	(HISP) OTHERS	VIA B %	A 3	A 3	B 4	B 7	C W 0	C W 6	B W 7	(HISP) OTHERS
NAME	DAYS OLD																																				
Alonso,Anton	6	90	+	+	+	+W4	+			90	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+	+		90	+	+	+71	+	+	+		
Alvarez,Carr	3	90	+		+		+			85	+	+	+	+			+		80	+	+	+	+			+	+		90	+	+	+			+		B50
Cecka,J.Mich	2	95	+	+	+		+			95	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+	+71			+		
Chan MD,Soh	6	80	+	+	+	+W6	+			80	+	+	+	+	+	+	+		NT										80	+	+	+		+	+		B47,CW1
Charron,D. P	4	95	+	+	+					90	+	+	+	+					90	+	+	+	+						90	+	+	+71					
Claas,F.H.J.	6	90	+	22	+	+	+	+		90	+	+	+	+	+		+		90	+	+	+	+	+		+	+		90	+	+	+71			+		
Dunk,Arthur	2	98	+	+	+	+W6	+			98	+	+	+	+	+	+	+		98	+28	+	+	+	+	+	+			98	+	+	+	+	+	+		
Dunn,Paul Dr	6	95	+	+	+		+			90	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+	+	+		+		BW4
Enczmann,J.	6	???	+	+	+		+			???	+	+	+	+			+		???	+	+	+	+			+	+		???	+	+	+71			+		BW4
Esteves Kond	2	98	+	+	+	+W4	+		CW4V	98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+71	+	+	+		
Fort,Marylis	3	99	+	+	+		+			98	+	+	+	+			+		95	+	+	+	+			+	+		98	+	+	+	+		+		
Gideoni,Osna	6	90	+	+	+	+	+			90	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+	+		90	+	+	+	+	+	+		
Gottwald,Hes	7	95	+	+	+	+	+			95	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+	+		95	+	+	+71	+	+	+		
Hahn,Amy B.	2	99	+	+	+	+W6	+			99	+	+	+	+	+	+	+	2702	99	+	+	+	+	+	+	+	+		99	+	+	+		+	+		B50,4005
Harville,Ter	2	98	+	+	+	+W4	+			98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+71	+	+	+		
Hirankarn MD	6	97	+	+	+		+			97	+	+	+	+			+		97	+	+	+	+			+	+		100	+	+	+	+		+		
Hogan,Patric	9	90	+	+	+	+	+			60	+	+	+	+	+	+	+		60	+	+	+	+	+	+	+	+		C								
Holdsworth,R	8	95	+	+	+		+		BW4	95	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+	+	+		+		
Holman,Richa	3	98	+	+	+					98	+	+	+	+					98	+	+	+	+						98	+	+	+					
Hubbell,Char	3	95	+	+	+		+			95	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+	+71			+		
Israel,Shosh	6	95	+	+	+	+	+			95	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+	+		95	+	+	+71	+	+	+		
Keown,Paul M	3	???	+	+15			+			???	+	+	+	+	+		+		???	+28	+	+			+	+			???	+	+	+	+		+		BW4
Klein,Tirza	6	90	+	22	+	+	+			40	+	+	+	+	+	+	+		85	+	+	+	+	+	+	+	+		70	+	+	+	+	+	+		
Kvam,Vonnett	3	97	+	+	+	+W6	+			97	+	+	+	+	+	+	+		98	+28	+	+	+	+	+	+			97	+	+	+	+	+	+		
Lardy,N.M. D	6	90	+	+	+	+	+			90	+	+	+	+	+		+		90	+28	+	+	+	+	+	+			90	+	+	+	+	+	+		
Lo,Raymundo	4	98	+	+					A24,B62	98	+	+		+				B38	98	+	+	+	+						98	+							B51,B55
Loewenthal M	6	90	+	+	+	+				90	+	+	+	+	+	+	+		90	+28	+	+	+	+	+	+			90	+	+	+71	+	+	+		
MacCann,Eile	3	98	+	+	+		+			98	+	+	+	+			+		98	+	+	+	+			+	+		98	+	+	+71			+		
Mah,Helen	3	98	+	+	+	+W4	+		CW4V	98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+71	+	+	+		BW4
McAlack-Hana	2	98	+	+	+	+W4	+			98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+71	+	+	+		
McCluskey,Ja	8	85	+	+15	+	+W6	+			85	+	+	+	+	+	+	+		85	+28	+	+	+	+	+	+			85	+	+	+	+	+	+		
Meyer,Pieter	15	50	+						B70	50	+	+	+	+					50	+	+	+						B49,B62	50	+	+	+	+	+	+		
Mpuntsha,Loy	6	70	+	+	+		+		A80	70	+	+	+	+			+		70	+28	+	+			+	+			70	+	+	+72			+		BW4
Norin,Allen	2	98	+	+	+	+	+		B75	99	+	+	+	+			+		97	+	+	+	+			+	+		98	+	+	+71			+		
Pancoska,Car	2	98	+	+	+	+W4	+			97	+	+	+	+	+	+	+		97	+	+	+	+	+		+	+		98	+	+	+71	+	+	+		
Permpikul,Ve	6	80	+	+	+		+		A203	80	+	+	+	+			+		NT										85	+	+	+	+		+		
Pidwell/Aska	2	95	+	+	+	+	+			95	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+	+	B35V	95	+	+	+71		+	+		
Rees,Tracey	6	80	+	+	+	+	+	+		40	+	+	+	+	+	+	+		60	+	+	+	+	+	+	+	+		70	+	+	+71	+	+	+		
Rosen-Bronso	2	90	+	+	+	+W4				90	+	+	+	+	+	+			90	+	+	+	+	+	+				90	+	+	+71	+	+			
Rubocki,Rona	2	99	+	+	+		+			99	+	+	+	+	+	+	+		99	+28	+	+	+	+	+	+	+		99	+	+	+	+	+	+		
Semana MD,Gi	3	99	+	2215			+			99	+	+	+	+			+		99	+28	+15				+	+			99		+	+	+		+		A33
Shai,Isaac	9	90	+			+		+	B45,B70	92	+	+	+	+	+	+	+	BW6	???	+	+	+		+	+	+	B62		???	+	+	+	+		+		CW5,BW4
Stavropoulos	3	98	+	+	+	+W4	+			98	+	+	+	+	+	+	+		98	+28	+	+	+	+	+	+			98	+	+	+	+	+	+		
Tagliere,Jac	1	100	+	+	+	+W4	+			100	+	+	+	+	+	+	+		100	+	+	+	+	+	+	+	+		100	+	+	+	+	+	+		
Tiercy,Jean-	6	90	+	+	+		+			100	+	+	+	+			+		NT										NT								
Tilanus,Marc	7	???	+	+	+		+			???	+	+	+	+			+		???	+28	+	+			+	+			???	+	+	+	+				
Varnavidou-N	6	98	+	+	+		+			98	+	+	+	+			+		98	+	+	+	+			+	+			98	+	+	+	+				BW4
Vidan-Jeras,	6	95	+	+	+		+			95	+	+	+	+			+		100	+	+	+	+			+	+			100	+	+	+71					
Walter Reed	3	97	+	+	+	+	+			97	+	+	+	+	+	+	+		97	+28	+	+	+	+	+	+			97	+	+	+71	+	+	+		
Watson,Narel	8	80	+	2215						80	+	+	+	+			+		80	+28	+15				+	+			70	+	+	+			+		B15
Wisecarver M	7	98	+	+	+		+			98	+	+	+	+					98	+28	+	+			+	+			98	+	+	+	+				

SUMMARY TABLE

(ASIA)
**** CELL 1417 ****
(51 SAMPLES TYPED)
A2 100.0%
(100.0%)

B54 86.3%
B22 7.8%
(94.1%)

B76 86.3%
B15 7.8%
(94.1%)

CW1 52.9%

C403 3.9%
CW4 17.6%
CW6 9.8%
(31.4%)

BW6 88.2%

(OTHERS FOUND)
B70 3.9%
A80 3.9%
BW4 3.9%
CW4V 3.9%
B45 2.0%
A203 2.0%
B75 2.0%
B62 2.0%
A24 2.0%

(CAUC)
**** CELL 1418 ****
(51 SAMPLES TYPED)
A1 100.0%

A2 100.0%
(100.0%)

B27 98.0%

B44 100.0%
(100.0%)

CW2 54.9%

CW5 49.0%

BW4 88.2%

(OTHERS FOUND)
BW6 2.0%
2702 2.0%
B38 2.0%

(HISP)
**** CELL 1419 ****
(48 SAMPLES TYPED)
A1 100.0%

A68 70.8%
A28 29.2%
(100.0%)

B35 100.0%

B63 91.7%
B15 4.2%
(95.8%)

CW1 54.2%

CW7 50.0%

BW4 89.6%

BW6 89.6%

(OTHERS FOUND)
B62 4.2%
B49 2.1%
B35V 2.1%

(HISP)
**** CELL 1420 ****
(49 SAMPLES TYPED)
A30 98.0%
(98.0%)

A32 98.0%
(98.0%)

B41 95.9%

B70 46.9%
B71 42.9%
B72 2.0%
(91.8%)

CW6 46.9%

CW7 53.1%

BW6 89.8%

(OTHERS FOUND)
BW4 16.3%
B50 4.1%
CW5 2.0%
A33 2.0%
B15 2.0%
4005 2.0%
CW1 2.0%
B47 2.0%
1101 2.0%
B55 2.0%
B51 2.0%

*** 51 LABORATORIES REPLIED ***
********** NEXT SHIPMENT: 04/06/2011 **********