

REPORT OF THE 371ST CELL EXCHANGE

MARCH 6, 2013

DNA Extract	569-572
Cells	1481-1484

DNA Extract Exchange #143

We wish to express our gratitude to **Helen Bass, Jane Rowlands, and Tracy Rees, Welsh Blood Service, Pontyclun**, for their generous collaboration in sharing the reference cells studied in our exchanges.

Extract 569. The consensus type for this sample from a Caucasian donor was A*26:01-A*32:01-B*07:02-B*27:23-C*02:02-C*07:02. Darke et al. (1) identified B*27:23 in 3 families and in all 3, "B*27:23 was present on a haplotype with: A*26-C*02:02-DRB1*12:02/06/07-DRB3*02-DQA1*05-DQB1*03:01 haplotype." As such, one likely haplotype in this cell may be A*26:01-B*27:23-C*02:02. The other possible haplotype was A*32:01-B*07:02-C*07:02, with HF= 0.00168 in Caucasians.

The A-locus allele-level types for this cell were A*26:01:01 (12%) and A*32:01:01 (12%). C*02:02:02 was assigned by 10% and C*07:02:01 was reported by 1 laboratory.

This sample was previously typed as extract 394 in 2007. Only 65% of the labs reported B*27:23 in 2007, while in the current exchange, 71% reported B*27:23. One laboratory assigned B*27:03.

C*07:02/50 was reported by 8 laboratories. HLA-C*07:50 is homologous to C*07:02:01 and differs by a single nucleotide substitution in exon 7 at codon 326 (TGC->TCC), resulting in an amino acid change from cysteine to serine (2).

Extract 570. A*26:01-A*68:01-B*27:23-B*44:02-C*02:02-C*05:01 were the consensus types for this sample from a Caucasian donor. As in extract 569, one likely haplotype in this cell may be A*26:01-B*27:23-C*02:02. The other probable haplotype was A*68:01-B*44:02-C*05:01.

The allele-level types assigned for this sample were A*26:01:01 (10%) and A*68:01:02 (7%). B*44:02:01:01 was also reported by 1 laboratory.

This sample was 30733VTIS, a reference cell for B*27:23. It was also previously typed as extract 438 in 2008. B*27:23 was reported by 79% of labs in 2008, compared to 73% in this present retyping.

The results for DNA Extract Exchange #143 are summarized in Table 1 and individual laboratory results reported for each DNA sample are listed in Tables 2-5.

Extract 571. The consensus type for this cell from a Caucasian donor was A*02:01-B*18:01-B*27:12-C*02:02-C*12:03. This donor was the offspring of 38256, the reference cell for B*27:12, as described by Street et al (3). From family studies, the haplotypes in this cell were determined to be A*02:01-B*27:12-C*02:02 and A*02:01-B*18:01-C*12:03.

A*02:01:01 was reported by 10%, with 1 lab assigning A*02:01:01:01. B*18:01:01 was assigned by 7%, while C*02:02:02 and C*12:03:01 were reported by 5% and 8%, respectively.

This cell was previously typed as extracts 424 (2008) and 293 (2004). In 2008, 74% of labs reported B*27:12, while in the present exchange, 71% reported B*27:12.

B*18:01/17N was assigned by 6 laboratories. B*18:17N was identified by N. denHollander et al. (4) during routine HLA testing of an individual and her mother. Their investigation found this null allele to be the result of a "mutation at position 41 of exon 1 which resulted in a premature stop codon."

Extract 572. A*02:01-A*03:02-B*27:05-B*51:01-C*01:02-C*15:02 were the consensus types for this sample of Hispanic origin. Previous family studies revealed the haplotypes in this cell to be A*02:01-B*27:05-C*01:02 and A*03:02-B*51:01-C*15:02.

A*02:01:01 (5%), B*51:01:01 (7%), and C*15:02:01 (5%) were the assigned allele-level types. In addition, 1 laboratory reported A*02:01:01:01 and B*27:05:02.

This sample was typed numerous times in the exchange as extracts 38 (1998), 148 (2000), and cells 538 (1997), 996 (1999). In the 2000 study, only 15% of laboratories assigned B*27:05. In this current study, B*27:05 was reported by 26%, with 37% assigning B*27:05+.

Table 2. Individual laboratory results for DNA Extract #569

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
5488	Adams, Sharon	*26:01:01	*32:01:01	*07:02:01/61	*27:23	*02	*07	RSSO, SBT, SSP
4691	Ajlan, Abdula	*26	*32	*07	*27	*02	*07	SSO
2332	Al-Aw w ami, Mo	*26	*32	*07	*27	*02	*07	SSP, RSSO
4345	Blasczyk, Rai	*26:01P	*32:01P	*07:02:01G	*27:23	*02:02P	*07:02P	PCR-SBT
8038	Cao, Kai	*26:01:01	*32:01:01	*07:02/61/161N	*27:23	*02:02:02	*07:02/50	SSO, SSP, SBT
9916	Charlton, Ron	*26:01:01	*32:01:01	*07:02:01/161N	*27:23	*02:02:02	*07:02:01	SSP
9916	Charlton_LR	*26	*32	*07	*27:23	*02	*07	SSP
3224	Chen, Dongfen	*26:01	*32:01	*07:02/61/161N	*27:23	*02:02	*07:02/50	SBT
8021	Clark, Brenda	*26:01:01+	*32:01:01+	*07:02:01+	*27:23	*02:02+	*07:02+	PCR-SSP, RSSO
5219	Daniel, Dolly	*26	*32	*07	*27			PCR-SSO
5323	Dhaliw al, J.S	*26	*32	*07:02/29/61	*27:23	*02	*07	PCR-SSP
5891	Du, Keming	*26:01/52	*32:01/06	*07:02/61	*27:23	*02:02/16/27+	*07:02/50/138+	PCR-SBT
3766	Dunn, Paul	*26	*32	*07	*27:23	*02	*07	PCR-SSO
3135	Enczmann, J.	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SBT, SSP, SSO
762	Fischer, Gott	*26:01	*32:01	*07:02/61/161N	*27:23	*02:02	*07:02/50	SSO, SSP, SBT
4079	Fort, Marylis	*26:01/24/26/56+	*32:01/32/34/35	*07:02/44/49N+	*27:23	*02:02/29	*07:02/50/51+	SSO
8022	Hedlund, Anna	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SSP
13	Hermes, Mark	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SSP
745	Holman, Richa	*26:01:01	*32:01:01	*07:02/161N	*27:23	*02:02:02	*07:02/50	SSO, SSP, SBT
2344	Hurley & Hartz	*26:01:01G	*32:01:01G	*07:02:01G	*27:23	*02:02:02G	*07:02:01G	SBT
794	Jaatinen, Tai	*26:01	*32:01	*07:02/61	*27:23	*02:02	*07:02	SBT, SSO, SSP
1694	Kissel & Hess	*26	*32	*07	*27	*02	*07	SSP
87	Land, Geoff	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SBT, SSO, SSP
278	Lee, Jar-How	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SSP, RSSO
640	Lee, Kyung Wh	*26:01/52// *25:13	*32:01/06// *74:10	*07:02	*27:23	*02:02	*07:02	PCR-SBT
5096	Lee, Sun-Ah	*26	*32	*07	*27			SSO
2847	Masaki, Kihar	*26	*32	*07	*27	*02	*07	RSSO
8042	Muncher, Lior	*26:01	*32:01	*07:02	*27:03	*02:02	*07:02	SSO, SSP
9001	Muncher_LR	*26	*32	*07	*27	*02	*07	SSO, SSP
54	Pancoska, Ca	*26	*32	*07	*27:23	*02	*07	RSSO
3966	Permpikul & Ve	*26	*32	*07	*27	*02	*07	PCR-SSP
2400	Phelan, Donna	*26:01	*32:01	*07:02/61/161N	*27:23	*02:02	*07:02/50	RSSO, SBT, SSP
3753	Reed, Elaine	*26:01/52	*32:01/06	*07:02/61/161N	*27:23	*02:02/13/16+	*07:02/15/39+	SBT, SSO
3798	Reinsmoen, N	*26:01:01	*32:01:01	*07:02/61/161N	*27:23	*02:02:02	*07:02:01/50	SSP, SSO, SBT
4251	Schiller, J	*26:01	*32:01	*07:02:01G	*27:23	*02:02	*07:02:01G	PCR-RSSO, SBT
3545	Scornik, Juan	*26:01	*32:01	*07:02/61	*27:23	*02:02	*07:02/50	SSO, SBT
8068	Shanmugam, He	*26	*32	*07	*27	*02	*07	PCR-SSP
1108	Sutherland, L	*26	*32	*07	*27	*02	*07	RSSO
4021	Trachtenberg	*26	*32	*07	*27	*02	*07	SSO, SSP
5462	Turner, E.V.	*26:01	*32:01	*07:02/61/161N	*27:23	*02:02	*07:02	SBT, SSO, SSP
797	Yabe, Hiromasa	*26:01	*32:01	*07:02/61	*27:23	*02:02	*07:02/50	SBT, SSO

Table 3. Individual laboratory results for DNA Extract #570

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
5488	Adams, Sharon	*26:01:01/70	*68:01:02/11N+	*27:23	*44:02:01/19N+	*02	*05	RSSO, SBT, SSP
4691	Ajlan, Abdula	*26	*68	*27	*44	*02	*05	SSO
2332	Al-Aw w ami, Mo	*26	*68	*27	*44	*02	*05	SSP, RSSO
4345	Blasczyk, Rai	*26:01P	*68:01:02G	*27:23	*44:02:01G	*02:02P	*05:01P	PCR-SBT
8038	Cao, Kai	*26:01:01	*68:01:02	*27:23	*44:02	*02:02	*05:01	SSO, SSP, SBT
9916	Charlton, Ron	*26:01:01	*68:01:02	*27:23	*44:02/27:01	*02:02:02/08	*05:01/58:02	SSP
9916	Charlton_LR	*26//+	*68	*27:23	*44	*02	*05	SSP
3224	Chen, Dongfen	*26:01	*68:01	*27:23	*44:02/27	*02:02	*05:01	SBT
8021	Clark, Brenda	*26:01:01+	*68:01+	*27:23	*44:02+	*02:02+	*05:01+	PCR-SSP, RSSO
5219	Daniel, Dolly	*26	*68	*27	*44			PCR-SSO
5323	Dhaliw al, J.S	*26	*68	*27:23	*44	*02	*05	PCR-SSP
5891	Du, Keming	*26:01/70	*68:01/23/11N	*27:23	*44:02/27/19N	*02:02/08/26/32	*05:01/58/26/08	PCR-SBT
3766	Dunn, Paul	*26	*68	*27:23	*44	*02	*05	PCR-SSO
3135	Enczmann, J.	*26:01	*68:01	*27:23	*44:02	*02:02	*05:01	SBT, SSP, SSO
762	Fischer, Gott	*26:01	*68:01	*27:23	*44:02/02S/19N+	*02:02	*05:01	SSO, SSP, SBT
4079	Fort, Marylis	*26:01/24/26+	*68:01/33/73	*27:23	*44:02/02S/27+	*02:02/29	*05:01/03/37/40/53	SSO
8022	Hedlund, Anna	*26:01	*68:01/37	*27:23	*44:02	*02:02	*05:01	SSP
13	Hermes, Mark	*26:01	*68:01	*27:23	*44:02	*02:02	*05:01	SSP
745	Holman, Richa	*26:01:01	*68:01:02	*27:23	*44:02:01:01	*02:02	*05:01	SSO, SSP, SBT
2344	Hurley&Hartz	*26:01:01G	*68:01:02G	*27:23	*44:02:01G	*02:02:02G	*05:01:01G	SBT
794	Jaatinen, Tai	*26:01	*68:01	*27:23	*44:02	*02:02	*05:01	SBT, SSO, SSP
1694	Kissel&Hess	*26	*68	*27	*44	*02	*05	SSP
87	Land, Geoff	*26:01	*68:01	*27:23	*44:02	*02:02	*05:01	SBT, SSO, SSP
278	Lee, Jar-How	*26:01	*68:01	*27:23	*44:02	*02:02	*05:01	SSP, RSSO
640	Lee, Kyung Wh	*26:01/10/13+	*68:01/03/23+	*27:23	*44:02/27	*02:02/08/22/26+	*05:01/04/08/26+	PCR-SBT
5096	Lee, Sun-Ah	*26	*68	*27	*44			SSO
2847	Masaki, Kihar	*26	*68	*27	*44	*02	*05	RSSO
8042	Muncher, Lior	*26:01	*68:01	*27:23	*44:02	*02:02	*05:01	SSO, SSP
9001	Muncher_LR	*26	*68	*27	*44	*02	*05	SSO, SSP
54	Pancoska, Ca	*26	*68	*27:23	*44	*02	*05	RSSO
3966	Permpikul&Ve	*26	*68	*27	*44	*02	*05	PCR-SSP
2400	Phelan, Donna	*26:01	*68:01/11N	*27:23	*44:02/19N	*02:02	*05:01	RSSO, SBT, SSP
3753	Reed, Elaine	*26:01/10/13+	*68:01/03/11N+	*27:23	*44:02/19N/27	*02:02/08/26/32	*05:01/08/26/58	SBT, SSO
3798	Reinsmoen, N	*26:01:01	*68:01:02/11N	*27:23	*44:02/02S	*02:02	*05:01	SSP, SSO, SBT
4251	Schiller, J	*26:01	*68:01:02G	*27:23	*44:02:01G	*02:02	*05:01	PCR-RSSO, SBT
3545	Scornik, Juan	*26:01	*68:01/11N	*27:23	*44:02/19N/27	*02:02	*05:01	SSO, SBT
8068	Shanmugam, He	*26	*68	*27	*44	*02	*05	PCR-SSP
1108	Sutherland, L	*26	*68	*27	*44	*02	*05	RSSO
4021	Trachtenberg	*26	*68	*27	*44	*02	*05	SSO, SSP
5462	Turner, E.V.	*26:01	*68:01	*27:23	*44:02/27	*02:02	*05:01	SBT, SSO, SSP
797	Yabe, Hiromasa	*26:01	*68:01	*27:23	*44:02/02S/27	*02:02	*05:01	SSO, SBT

Table 4. Individual laboratory results for DNA Extract #571

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
5488	Adams, Sharon	*02:01:01		*18:01:01/17N	*27:12	*02:02:02/10+	*12:03/04:02	RSSO,SBT,SSP
4691	Ajlan,Abdula	*02	*02	*18	*27	*02	*12	SSO
2332	Al-Aw w ami,Mb	*02		*18	*27	*02	*12	SSP,RSSO
4345	Blasczyk,Rai	*02:01:01G		*18:01:01G	*27:12	*02:02P	*12:03P	PCR-SBT
8038	Cao,Kai	*02:01:01		*18:01:01	*27:12	*02:02:02	*12:03:01	SSO,SSP,SBT
9916	Charlton,Ron	*02:01:01:01		*18:01:01	*27:12	*02:02:02+	*12:03:01:01+	SSP
9916	Charlton_LR	*02		*18	*27:12	*02	*12	SSP
3224	Chen,Dongfen	*02:01		*18:01	*27:12	*02:02	*12:03	SBT
8021	Clark,Brenda	*02:01+		*18:01+	*27:12	*02:02+	*12:03+	PCR-SSP,RSSO
5219	Daniel,Dolly	*02	*02	*18	*27			PCR-SSO
5323	Dhaliw al,J.S	*02		*18	*27	*02	*12	PCR-SSP
5891	Du,Keming	*02:01	*02:01	*18:01/17N	*27:12	*02:02/10/27	*12:03/04	PCR-SBT
3766	Dunn,Paul	*02		*18	*27:12	*02	*12	PCR-SSO
3135	Enczmann,J.	*02:01/01L		*18:01	*27:12	*02:02/10	*12:03	SBT,SSP,SSO
762	Fischer,Gott	*02:01/01L		*18:01	*27:12	*02:02	*12:03	SSO,SSP,SBT
4079	Fort,Maryliss	*02:01		*18:01/53/55+	*27:12	*02:02/29	*12:03/23/34	SSO
8022	Hedlund,Anna	*02:01		*18:01	*27:12	*02:02	*12:03	SSP
13	Hermes,Mark	*02:01		*18:01	*27:12	*02:02	*12:03	SSP
745	Holman,Richa	*02:01/01L		*18:01:01	*27:12	*02:02	*12:03:01	SSO,SSP,SBT
2344	Hurley&Hartz	*02:01:01G	*02:01:01G	*18:01:01G	*27:12	*02:02:02G	*12:03:01G	SBT
794	Jaatinen,Tai	*02:01		*18:01	*27:12	*02:02	*12:03	SBT,SSO,SSP
1694	Kissel&Hess	*02		*18	*27	*02	*12	SSP
87	Land,Geoff	*02:01	*02:01	*18:01	*27:12	*02:02	*12:03	SBT,SSO,SSP
278	Lee,Jar-How	*02:01		*18:01	*27:12	*02:02	*12:03	SSP,RSSO
640	Lee,Kyung Wh	*02:01		*18:01	*27:12	*02:02/10/27	*12:03/04	PCR-SBT
5096	Lee,Sun-Ah	*02	*02	*18	*27			SSO
2847	Masaki,Kihar	*02		*18	*27	*02	*12	RSSO
8042	Muncher,Lior	*02:01		*18:01	*27:12	*02:02	*12:03	SSO,SSP
9001	Muncher_LR	*02		*18	*27	*02	*12	SSO,SSP
54	Pancoska,Ca	*02	*02	*18	*27:12	*02	*12	RSSO
3966	Permpikul&Ve	*02		*18	*27	*02	*12	PCR-SSP
2400	Phelan,Donna	*02:01		*18:01/17N	*27:12	*02:02	*12:03	RSSO,SBT,SSP
3753	Reed,Elaine	*02:01	*02:01	*18:01/17N	*27:12	*02:02/10/27	*12:03/04	SBT,SSO
3798	Reinsmoen,N	*02:01:01/01L		*18:01/17N	*27:12	*02:02:02	*12:03:01	SSP,SSO,SBT
4251	Schiller,J	*02:01	*02:01	*18:01:01G	*27:12	*02:02	*12:03	PCR-RSSO,SBT
3545	Scornik,Juan	*02:01		*18:01/17N	*27:12	*02:02	*12:03	SSO,SBT
8068	Shanmugam,He	*02		*18	*27	*02	*12	PCR-SSP
1108	Sutherland,L	*02	*02	*18	*27	*02	*12	RSSO
4021	Trachtenberg	*02		*18	*27	*02	*12	SSO,SSP
5462	Turner,E.V.	*02:01		*18:01	*27:12	*02:02	*12:03	SBT,SSO,SSP
797	Yabe,Hirosama	*02:01/01L		*18:01	*27:12	*02:02	*12:03	SSO,SBT

Table 5. Individual laboratory results for DNA Extract #572

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
5488	Adams, Sharon	*02:01:01/237	*03:02:01/10	*27:05/13/27	*51:01:01/85	*01	*15	RSSO, SBT, SSP
4691	Ajlan, Abdula	*02	*03	*27	*51	*01	*15	SSO
2332	Al-Aw w ami, Mo	*02	*03	*27	*51	*01	*15	SSP, RSSO
4345	Blasczyk, Rai	*02:01:01G	*03:02:01	*27:05P	*51:01:01G	*01:02P	*15:02P	PCR-SBT
8038	Cao, Kai	*02:01:01	*03:02:01	*27:05/13	*51:01:01	*01:02	*15:02:01	SSO, SSP, SBT
9916	Charlton, Ron	*02:01:01:01	*03:02:01	*27:05:02	*51:01:01	*01:02	*15:02	SSP
9916	Charlton_LR	*02	*03	*27	*51	*01	*15	SSP
3224	Chen, Dongfen	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SBT
8021	Clark, Brenda	*02:01:01+	*03:01:01+	*27:01+	*51:01:01+	*01:02+	*15:02+	PCR-SSP, RSSO
5219	Daniel, Dolly	*02	*03	*27	*51			PCR-SSO
5323	Dhaliw al, J.S	*02	*03:02/90/106+	*27:05	*51	*01	*15	PCR-SSP
5891	Du, Keming	*02:01/12/237	*03:02/07/10	*27:05/10/13/27+	*51:01/09/85+	*01:02/14/22+	*15:02/07/08+	PCR-SBT
3766	Dunn, Paul	*02	*03	*27	*51	*01	*15	PCR-SSO
3135	Enczmann, J.	*02:01/01L	*03:02	*27:05	*51:01	*01:02	*15:02	SBT, SSP, SSO
762	Fischer, Gott	*02:01/01L	*03:02	*27:05/13	*51:01	*01:02	*15:02	SSO, SSP, SBT
4079	Fort, Marylis	*02:01/01L/01Q+	*03:02/73/90	*27:05/13/64N+	*51:01/11N+	*01:02/25/40+	*15:02/13/47	SSO
8022	Hedlund, Anna	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SSP
13	Hermes, Mark	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SSP
745	Holman, Richa	*02:01/01L	*03:02:01	*27:05/13	*51:01	*01:02	*15:02	SSO, SSP, SBT
2344	Hurley&Hartz	*02:01:01G	*03:02:01	*27:05:02G	*51:01:01G	*01:02:01G	*15:02:01G	SBT
794	Jaatinen, Tai	*02:01	*03:02	*27:05/13	*51:01	*01:02	*15:02	SBT, SSO, SSP
1694	Kissel&Hess	*02	*03	*27	*51	*01	*15	SSP
87	Land, Geoff	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SBT, SSP, SSO
278	Lee, Jar-How	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SSP, RSSO
640	Lee, Kyung Wh	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	PCR-SBT
5096	Lee, Sun-Ah	*02	*03	*27	*51			SSO
2847	Masaki, Kihar	*02	*03	*27	*51	*01	*15	RSSO
8042	Muncher, Lior	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SSO, SSP
9001	Muncher_LR	*02	*03	*27	*51	*01	*15	SSO, SSP
54	Pancoska, Ca	*02	*03	*27	*51	*01	*15	RSSO
3966	Permpikul&Ve	*02	*03	*27	*51	*01	*15	PCR-SSP
2400	Phelan, Donna	*02:01	*03:02	*27:05/13	*51:01	*01:02	*15:02	RSSO, SBT, SSP
3753	Reed, Elaine	*02:01/12/237	*03:02/07/10	*27:05/10/13+	*51:01/09+	*01:02/14/22+	*15:02/07/08+	SBT, SSO
3798	Reinsmoen, N	*02:01:01/01L	*03:02:01	*27:05/13	*51:01:01	*01:02	*15:02:01	SSP, SSO, SBT
4251	Schiller, J	*02:01	*03:02	*27:05:02G	*51:01	*01:02	*15:02	PCR-RSSO, SBT
3545	Scornik, Juan	*02:01	*03:02	*27:05	*51:01	*01:02	*15:02	SSO, SBT
8068	Shanmugam, He	*02	*03	*27	*51	*01	*15	PCR-SSP
1108	Sutherland, L	*02	*03	*27	*51	*01	*15	RSSO
4021	Trachtenberg	*02	*03	*27	*51	*01	*15	SSO, SSP
5462	Turner, E.V.	*02:01	*03:02	*27:05/13	*51:01	*01:02	*15:02	SBT, SSO, SSP
797	Yabe, Hiromasa	*02:01/01L	*03:02	*27:05/13	*51:01	*01:02	*15:02	SSO, SBT

Cell Exchange #371

The molecular typing results for Cell Exchange #371 are summarized in Table 6 and serology results are summarized in Table 7. Individual laboratory

results for each sample are listed in Tables 8-11 for DNA and Table 12 for serology.

Cell 1481. The consensus type for this cell from a Black donor was A*01:01(A1)-A*34:02(A34)-B*08:01(B8)-B*81:01(B81)-C*07:01(Cw7)-C*18:01. B7, which strongly cross-reacts with B81, was assigned by 6 labs. The probable associations in this cell were B*08:01-C*07:01 and B*81:01-C*18:01, with respective haplotype frequencies of HF=0.02792 and HF=0.01101 in African American populations.

A*34:02:01 (11%), B*08:01:01 (9%), and C*07:01:01 (9%) were reported as the allele-level types. A*01:01:01 was assigned by 11%, with 7% reporting A*01:01:01:01.

Cell 1482. A*31:01(A31)-A*68:01(A68)-B*35:02(B35)-B*44:02(B44)-C*04:01(Cw4)-C*07:04(Cw7) were the consensus types for this Caucasian cell. The likely associations were B*35:02-C*04:01 and B*44:02-C*07:04, with respective haplotype frequencies of HF= 0.01017 and HF= 0.00939 in Caucasians.

A*31:01:02, A*68:01:02, C*04:01:01 and C*07:04:01 were reported by 9% as the allele-level types. B*35:02:01 and B*44:02:01 were detected by 11% and 6%, respectively. B*44:02:01:01 was assigned by 1 lab.

Cell 1483. The consensus types for this Filipino donor were A*24:02(A24)-B*38:02(B38)-C*03:04(Cw3)-C*07:02(Cw7). Additional reactivity to other B-locus anti-sera, including B27, were reported by a number of labs. One likely haplotype in this cell was A*24:02-B*38:02-C*03:04. This haplotype was observed in another Filipino exchange donor, cell 1076 (also 995). The other possible haplotype was A*24:02-B*38:02-C*07:02, with HF= 0.00506 in Asian populations.

The allele-level types assigned were B*38:02:01(12%) and C*03:04:01(5%). A*24:02:01 and C*07:02:01 were also reported by 1 lab.

Cell 1484. A*02:05(A2)-A*24:02(A24)-B*15:35(B62)-B*50:01(B50)-C*06:02(Cw6)-C*07:02(Cw7) were the assigned consensus types for this donor of Filipino and Korean descent. The possible haplotypes were A*02:05-B*50:01-C*06:02 and A*24:02-B*15:35-C*07:02, with HF= 0.00283 and 0.00122, respectively, in Asian populations.

A*02:05:01(5%) and B*50:01:01 (9%) were the reported allele-level types. C*06:02:01 and C*07:02:01 were assigned by 1 lab.

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Table 6. Summary of the 371st Cell Exchange (Cell#1481-1484)

Cell 1481		Cell 1482		Cell 1483		Cell 1484	
<u>45 labs</u>	% (n)	<u>45 labs</u>	% (n)	<u>43 labs</u>	% (n)	<u>43 labs</u>	% (n)
A*01:01:01:01	7 (3)	A*31:01:02	9 (4)	A*24:02:01	2 (1)	A*02:05:01	5 (2)
A*01:01:01	4 (2)	A*31:01	24(11)	A*24:02	35(15)	A*02:05	30(13)
A*01:01	22(10)	A*31:01+	18 (8)	A*24:02+	12 (5)	A*02:05+	21 (9)
A*01:01+	16 (7)	A*31	49(22)	A*24	51(22)	A*02	44(19)
A*01	49(22)						
A*31:01	2 (1)						
A*34:02:01	11 (5)	A*68:01:02	9 (4)			A*24:02	33(14)
A*34:02	36(16)	A*68:01	27(12)			A*24:02+	16 (7)
A*34:02+	11 (5)	A*68:01+	14 (6)			A*24	51(22)
A*34	42(19)	A*68	50(22)				
<u>45 labs</u>	% (n)	<u>45 labs</u>	% (n)	<u>43 labs</u>	% (n)	<u>43 labs</u>	% (n)
B*08:01:01	9 (4)	B*35:02:01	11 (5)	B*38:02:01	12 (5)	B*15:35	53(23)
B*08:01	3(14)	B*35:02	29(13)	B*38:02	28(12)	B*15:35+	7 (3)
B*08:01+	11 (5)	B*35:02+	11 (5)	B*38:23	2 (1)	B*15(B62)	14 (6)
B*08	49(22)	B*35	49(22)	B*38:02+	14 (6)	B*15	26(11)
				B*38	44(19)		
B*81:01	31(14)	B*44:02:01:01	2 (1)			B*50:01:01	9 (4)
B*81:04N	2 (1)	B*44:02:01	4 (2)			B*50:01	33(14)
B*81:01+	27(12)	B*44:02	25(11)			B*50:01+	12 (5)
B*81	40(18)	B*44:02+	18 (8)			B*50	46(20)
		B*44	51(23)				
<u>44 labs</u>	% (n)	<u>44 labs</u>	% (n)	<u>42 labs</u>	% (n)	<u>42 labs</u>	% (n)
C*07:01:01	9 (4)	C*04:01:01	9 (4)	C*03:04:01	5 (2)	C*06:02:01	2 (1)
C*07:01	27(12)	C*04:01	25(11)	C*03:04	33(14)	C*06:02	22 (9)
C*07:19	2 (1)	C*04:01+	16 (7)	C*03:04+	17 (7)	C*06:02+	22 (9)
C*07:01+	21 (9)	C*04	50(22)	C*03(Cw10)	12(5)	C*06	50(21)
C*07	41(18)			C*03	33(14)	C*03	2 (1)
						C*12	2 (1)
C*18:01	39(17)	C*07:04:01	9 (4)	C*07:02:01	2 (1)	C*07:02:01	2 (1)
C*18:01+	16 (7)	C*07:04	36(16)	C*07:02	24(10)	C*07:02	26(11)
C*18	41(18)	C*07:04+	12 (5)	C*07:02+	24(10)	C*07:02+	19 (8)
C*04:01+	2 (1)	C*07	43(19)	C*07	50(21)	C*07	53(22)
C*06	2 (1)						

Table 7. Summary of the 371st Cell Exchange (Cell 1481-1484)

(Black) Cell 1481 (37 Samples Typed)		(Caucasian) Cell 1482 (37 Samples Typed)		(Filipino) Cell 1483 (36 Samples Typed)		(Asian) Cell 1484 (36 Samples Typed)	
A1	100.0%	A31	94.6%	A24	100.0%	A2	100.0%
			[94.6%]		[100.0%]		[100.0%]
A34	89.2%	A68	81.1%	B38	100.0%	A24	97.2%
A10	8.1%	A28	18.9%		[100.0%]		[97.2%]
	[97.3%]		[100.0%]				
B8	100.0%	B35	97.3%	CW3	50.0%	B62	97.2%
				CW10	5.6%	B15	2.8%
B81	83.8%				[55.6%]		[100.0%]
	[83.8%]	B44	100.0%				
			[100.0%]	CW7	50.0%	B50	97.2%
CW7	51.4%					B21	2.8%
		CW4	48.6%	BW4	72.2%		[100.0%]
BW6	73.0%		[48.6%]				
						CW6	44.4%
		CW7	51.4%				[44.4%]
		BW4	73.0%			CW7	50.0%
		BW6	73.0%			BW6	72.2%

Others Found	
B7	16.2%
A33	5.4%
CW4	5.4%
CW18	2.7%
CW6	2.7%
CW8	2.7%
A3402	2.7%
CW17	2.7%
A29	2.7%

Others Found	
B50	5.4%
A33	5.4%
A2	2.7%
A30	2.7%
B76	2.7%
CW5	2.7%

Others Found	
B27	5.6%
B39	2.8%
B37	2.8%
B47	2.8%
B44	2.8%

Others Found	
BW4	2.8%

Table 8. Individual laboratory results for Cell #1481

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
16	Askar,Medhat	*01:01:01/*01:43	*34:02:01/*34:08	*08:01:01	*81:01/02	*07:01:01	*18:01	PCR-RSSO,SBT
774	Cecka,J.Mich	*01	*34	*08	*81:01	*07	*18	SSP
8070	Chang,Uckjin	*01	*34	*08	*81	*07	*06	PCR-SSP
4492	Charron,D.	*01:01/01N/56N+	*34:02	*08:01/72N/73+	*81:01/06	*07:01/103/150Q+	*18:01/06	PCR-SSO,SSP
798	Claas,F.H.J.	*01:01:01:01	*34:02:01	*08:01:01	*81:01	*07:01:01	*18:01	SBT
3632	Colombe,Beth	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSO,SSP
5130	Costeas,Paul	*01:01/09/33	*34:02	*08:01	*81:01	*07:01/09	*18:01	SSP,SSO
779	Daniel,Claud	*01	*34	*08	*81	*07	*18	PCR-SSP,SSO
8052	Del Pozo,Ana	*01	*34:02/04/08/09	*08	*81:01-03/04N/05			SSO
3766	Dunn,Paul	*01	*34:02/04/08/09	*08	*81:01-03/04N/05	*07	*18:01/02/04	SSO
5214	Eckels/CPMC	*01	*34	*08	*81	*07	*18	SSO
762	Fischer,Gott	*01	*34	*08	*81	*07	*18	SSO,SSP
792	Gandhi,Manish	*01:01	*34:02	*08:01	*81:01/03/04N	*07:01	*18:01	SSO,SSP
8043	Gideoni,Osna	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSP
9002	Gideoni_LR	*01	*34	*08	*81	*07	*18	SSO,SSP
810	Hamdi,Nuha	*01:01/01N/04N	*34:02/04/08	*08:01/19N/58	*81:01-03	*07:01	*04:01/42/71	SSO
4269	Hanau,Daniel	*01:01:01:01	*34:02:01	*08:01	*81:01/02	*07:01:01	*18:01	SSP,SSO,SBT
3808	Hogan,Patric	*01	*34	*08	*81	*07:01+	*18	SSP
745	Holman,Richa	*01:01:01:01	*34:02:01	*08:01:01	*81:01	*07:01:01	*18:01	SSO,SSP,SBT
771	Israel,Shosh	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSP,SBT
9003	Israel_LR	*01	*34	*08	*81	*07	*18	PCR-SSO
859	Kamoun,Malek	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SBT,SSP
4337	Kim,Tai-Gyu	*01:01/04N/22N+	*34:02	*08:01/19N	*81:01-03	*07:01/18/52+	*18:01/02	SBT
168	Klein,Tirza	*31:01	*34:02	*08:01	*81:01	*07:01	*18:01	PCR-SSP,SSO
9000	Klein_LR	*01	*34	*08	*81	*07	*18	PCR-SSP,SSO
725	Lardy,N.M.	*01	*34	*08	*81	*07	*18	SSO,SSP
278	Lee,Jar-How	*01:01	*34:02	*08:01/58/59+	*81:01	*07:01/103/153+	*18:01	SSP,RSSO
6649	Lim,Young Ae	*01	*34	*08	*81	*07	*18	SSP
274	Lo,Raymundo	*01	*34	*08	*81:04N	*07:19	*18	SSO
731	Loewenthal,R	*01:01:01	*34:02:01	*08:01	*81:01	*07:01	*18:01	SBT,SSO
759	Lopez-Cepero	*01:01/04N/06+	*34:02/04/08/09	*08:01/08N/10+	*81:01/04N/05	*07:01/06/18+	*18:01/02/04	RSSO
23	Mah,Helen	*01	*34:02	*08	*81	*07	*18	PCR-SSO
8029	Mani,Rama	*01	*34	*08	*81	*07	*18	SSO
206	McA lack-Hana	*01	*34	*08	*81	*07	*18	RSSO
8001	Rao,Prakash	*01	*34	*08	*81	*07	*18	RSSO,SSP
3625	Rees,Tracey	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	PCR-SSP,SBT
5200	Reinke,Denni	*01	*34	*08	*81	*07	*18	SSP
3519	Renac,Virgi	*01:01	*34:02	*08:01	*81:01/02	*07:01	*18:01	SBT,SSP
1160	Rosen-Bronso	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	RSSO,SSP,SBT
793	Rubocki,Ron	*01	*34	*08	*81	*07	*18	SSP
4251	Schiller,J	*01:01:01G	*34:02	*08:01	*81:01:01G	*07:01:01G	*18:01:01G	PCR-RSSO,SBT
747	Tiercy,Jean-	*01:01:01	*34:02:01	*08:01:01	*81:01	*07:01/166	*18:01:01G	SSO,SSP,SBT
5462	Turner,E.V.	*01:01	*34:02	*08:01	*81:01/02	*07:01	*18:01	SBT,SSO,SSP
5642	Varnavidou-N	*01	*34	*08	*81	*07	*18	PCR-SSP
3186	Watson,Narel	*01	*34	*08	*81	*07:01/06/18	*18:01/02	SSO,SBT

Table 9. Individual laboratory results for Cell #1482

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
16	Askar, Medhat	*31:01/*31:30	*68:01:02+/*68:08:02	*35:02:01	*44:02:01/19N	*04:01:01/30	*07:04:01	PCR-RSSO, SBT
774	Cecka, J. Mich	*31	*68	*35	*44	*04	*07	SSP
8070	Chang, Uckjin	*31		*35	*44	*04	*07	PCR-SSP
4492	Charron, D.	*31:01/46/50/55+	*68:01/33	*35:02/129N+	*44:02/119/121+	*04:01/75/79+	*07:04	PCR-SSO, SSP
798	Claas, F.H.J.	*31:01:02	*68:01:02	*35:02:01	*44:02:01	*04:01:01	*07:04:01	SBT
3632	Colombe, Beth	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SSO, SSP
5130	Costeas, Paul	*31:01/37	*68:01	*35:02	*44:02	*04:01	*07:04	SSP, SSO
779	Daniel, Claud	*31	*68	*35	*44	*04	*07	PCR-SSP, SSO
8052	Del Pozo, Ana	*31	*68	*35	*44			SSO
3766	Dunn, Paul	*31	*68	*35:02/129N+	*44	*04	*07:04/11/63+	SSO
5214	Eckels/CPMC	*31	*68	*35	*44	*04	*07	SSO
762	Fischer, Gott	*31	*68	*35	*44	*04	*07	SSO, SSP
792	Gandhi, Manish	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SSO, SSP
8043	Gideoni, Osna	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SSP
9002	Gideoni_LR	*31	*68	*35	*44	*04	*07	SSO, SSP
810	Hamdi, Nuha	*31:01/09/11	*68:01/07/08	*35:02/129N	*44:02/02S/27	*04:01/05/07	*07:04/11/63	SSO
4269	Hanau, Daniel	*31:01	*68:01	*35:02/182	*44:02/02S/84	*04:01	*07:04	SSP, SSO, SBT
3808	Hogan, Patric	*31	*68	*35	*44	*04	*07:04+	SSP
745	Holman, Richa	*31:01:02	*68:01:02	*35:02:01	*44:02:01:01	*04:01:01	*07:04:01	SSO, SSP, SBT
771	Israel, Shosh	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SSP, SBT
9003	Israel_LR	*31	*68	*35	*44	*04	*07	PCR-SSO
859	Kamoun, Malek	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SBT, SSP
4337	Kim, Tai-Gyu	*31:01/14N/23/40+	*68:01/11N/33	*35:02	*44:02/19N/27+	*04:01/09N/28+	*07:04	SBT
168	Klein, Tirza	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	PCR-SSP, SSO
9000	Klein_LR	*31	*68	*35	*44	*04	*07	PCR-SSP, SSO
725	Lardy, N.M.	*31	*68	*35	*44	*04	*07	SSO, SSP
278	Lee, Jar-How	*31:01/46/48/50+	*68:01	*35:02	*44:02/02S/113+	*04:01/75/79+	*07:04	SSP, RSSO
6649	Lim, Young Ae	*31	*68	*35	*44	*04	*07	SSP
274	Lo, Raymundo	*31	*68	*35	*44	*04	*07	SSO
731	Loewenthal, R	*31:01:02	*68:01:02	*35:02:01	*44:02:01	*04:01:01	*07:04	SBT, SSO
759	Lopez-Cepero	*31:01/09/11-13+	*68:01/07/08/11N+	*35:02/129N+	*44:02/19N/23N+	*04:01/05/07+	*07:04/11/63+	RSSO
23	Mah, Helen	*31	*68	*35	*44	*04	*07	PCR-SSO
8029	Mani, Rama	*31	*68	*35	*44	*04	*07	SSO
206	McAlack-Hana	*31	*68	*35	*44	*04	*07	RSSO
8001	Rao, Prakash	*31	*68	*35	*44	*04	*07	RSSO, SSP
3625	Rees, Tracey	*31:01	*68	*35:02	*44:02	*04	*07:04	PCR-SSP, SBT
5200	Reinke, Denni	*31	*68	*35	*44	*04	*07	SSP
3519	Renac, Virgi	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SBT, SSP
1160	Rosen-Bronso	*31:01/14N	*68:01	*35	*44	*04:01	*07:04	RSSO, SSP, SBT
793	Rubocki, Ron	*31	*68	*35	*44	*04	*07	SSP
4251	Schiller, J	*31:01	*68:01:02G	*35:02	*44:02:01G	*04:01P	*07:04:01G	PCR-RSSO, SBT
747	Tiercy, Jean-	*31:01:02	*68:01:02	*35:02:01	*44:02	*04:01:01	*07:04:01	SSO, SSP, SBT
5462	Turner, E.V.	*31:01	*68:01	*35:02	*44:02	*04:01	*07:04	SBT, SSO, SSP
5642	Varnavidou-N	*31	*68	*35	*44	*04	*07	PCR-SSP
3186	Watson, Narel	*31	*68	*35	*44	*04	*07	SSO, SBT

Table 10. Individual laboratory results for Cell #1483

Center	Investigator	HLA-A	HLA-B	HLA-C	Method			
16	Askar,Medhat	*24:02	*38:02:01	*03:04	*07:02/50	PCR-RSSO,SBT		
774	Cecka,J.Mich	*24	*38	*03	*07	SSP		
8070	Chang,Uckjin	*24	*38	*03	*07	PCR-SSP		
4492	Charron,D.	*24:02/144/150/154+	*38:02/35	*03:04/100/105+	*07:02/51/159+	PCR-SSO,SSP		
798	Claas,F.H.J.	*24:02:01	*38:02:01	*03:04:01	*07:02:01	SBT		
3632	Colombe,Beth	*24:02	*38:02	*03:04	*07:02	SSO,SSP		
5130	Costeas,Paul	*24:02	*38:02	*03:04	*07:02/48	SSP,SSO		
779	Daniel,Claud	*24	*38	*03(Cw 10)	*07	PCR-SSP,SSO		
8052	Del Pozo,Ana	*24	*38			SSO		
3766	Dunn,Paul	*24	*38:02/15/18/23+	*03	*07	SSO		
5214	Eckels/CPMC	*24	*38	*03(Cw 10)	*07	SSO		
762	Fischer,Gott	*24	*38	*03	*07	SSO,SSP		
792	Gandhi,Manish	*24:02	*38:02	*03:04	*07:02	SSO,SSP		
8043	Gideoni,Osna	*24:02	*38:02	*03:04	*07:02	SSP		
9002	Gideoni_LR	*24	*38	*03	*07	SSO,SSP		
810	Hamdi,Nuha	*24:02/09N	*24:02/05/09N	*38:02/18/23	*38:02/15/18	*03:02/04/05	*07:02/05/10	SSO
4269	Hanau,Daniel	NT						SSP,SSO,SBT
3808	Hogan,Patric	*24	*38	*03:04+	*07:02+	SSP		
745	Holman,Richa	*24:02	*38:02:01	*03	*07	SSO,SSP,SBT		
771	Israel,Shosh	*24:02	*38:02	*03:04	*07:02	SSP,SBT		
9003	Israel_LR	*24	*38	*03	*07	PCR-SSO		
859	Kamoun,Malek	*24:02	*38:02	*03:04	*07:02	SBT,SSP		
4337	Kim,Tai-Gyu	*24:02/09N/11N/40N+	*38:02/18	*03:04/100+	*07:02/50/66/74+	SBT		
168	Klein,Tirza	*24:02	*38:02	*03:04	*07:02	PCR-SSP,SSO		
9000	Klein_LR	*24	*38	*03	*07	PCR-SSP,SSO		
725	Lardy,N.M.	*24	*38	*03	*07	SSO,SSP		
278	Lee,Jar-How	*24:02/02Q/103/132N+	*38:02/08/15/35	*03:04/100/101+	*07:02/159/160+	SSP,RSSO		
6649	Lim,Young Ae	*24	*38	*03	*07	SSP		
274	Lo,Raymundo	*24	*38:23	*03	*07	SSO		
731	Loew enthal,R	*24:02	*38:02:01	*03:04	*07:02	SBT,SSO		
759	Lopez-Cepero	*24:02/05/09N/11N+	*38:02/08/15/18+	*03:04/02/05/06+	*07:02/05/10/13+	RSSO		
23	Mah,Helen	*24	*38	*03	*07	PCR-SSO		
8029	Mani,Rama	*24	*38	*03	*07	SSO		
206	McAlack-Hana	*24	*38	*03(Cw 10)	*07	RSSO		
8001	Rao,Prakash	*24	*38	*03:02/04-06/09	*07	RSSO,SSP		
3625	Rees,Tracey	*24:02	*38:02	*03:04	*07	PCR-SSP,SBT		
5200	Reinke,Denni	*24	*38	*03(Cw 10)	*07	SSP		
3519	Renac,Virgi	*24:02	*38:02	*03:04	*07:02	SBT,SSP		
1160	Rosen-Bronso	*24:02	*38:02	*03:04	*07:02	RSSO,SSP,SBT		
793	Rubocki,Ron	*24	*38	*03(Cw 10)	*07	SSP		
4251	Schiller,J	*24:02	*38:02	*03:04	*07:02:01G	PCR-RSSO,SBT		
747	Tiercy,Jean-	NT						
5462	Turner,E.V.	*24:02	*38:02	*03:04	*07:02	SBT,SSO,SSP		
5642	Varnavidou-N	*24	*38	*03	*07	PCR-SSP		
3186	Watson,Narel	*24	*38:02:01	*03:04:01	*07:02/50	SSO,SBT		

Table 11. Individual laboratory results for Cell #1484

Center	Investigator	HLA-A		HLA-B		HLA-C		Method
16	Askar, Medhat	*02:05:01//*02:271	*24:02//*24:06	*15:35	*50:01:01	*06:02:01+//11//+	*07:02:01+//76//+	PCR-RSSO, SBT
774	Cecka, J. Mich	*02:05/154/229+	*24	*15	*50	*06	*07	SSP
8070	Chang, Uckjin	*02	*24	*15	*50	*03	*07	PCR-SSP
4492	Charron, D.	*02:05/179/324	*24:02/144/150+	*15:35	*50:01	*06:02/56/61-64+	*07:02/159/160+	PCR-SSO, SSP
798	Claas, F.H.J.	*02:05:01	*24:02	*15:35	*50:01:01	*06:02:01	*07:02:01	SBT
3632	Colombe, Beth	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SSO, SSP
5130	Costeas, Paul	*02:05	*24:02	*15:35	*50:01/04	*06:02/25/36	*07:02	SSP, SSO
779	Daniel, Claud	*02	*24	*15(B62)	*50	*06	*07	PCR-SSP, SSO
8052	Del Pozo, Ana	*02	*24	*15	*50:01/08/10+			SSO
3766	Dunn, Paul	*02:05/08/172/179+	*24	*15:35/85/118+	*50:01/08/10+	*06	*07	SSO
5214	Eckels/CPMC	*02	*24	*15(B62)	*50	*06	*07	SSO
762	Fischer, Gott	*02	*24	*15	*50	*06	*07	SSO, SSP
792	Gandhi, Manish	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SSO, SSP
8043	Gideoni, Osna	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SSP
9002	Gideoni_LR	*02	*24	*15	*50	*06	*07	SSO, SSP
810	Hamdi, Nuha	*02:05/08	*24:02/06	*15:35	*50:01/10/11	*06:02/10/11	*07:02/13/29	SSO
4269	Hanau, Daniel	NT						SSP, SSO, SBT
3808	Hogan, Patric	*02	*24	*15:35	*50	*06	*07:02+	SSP
745	Holman, Richa	*02:05	*24:02	*15:35	*50:01:01	*06	*07	SSO, SSP, SBT
771	Israel, Shosh	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SSP, SBT
9003	Israel_LR	*02	*24	*15	*50	*06	*07	PCR-SSO
859	Kamoun, Malek	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SBT, SSP
4337	Kim, Tai-Gyu	*02:05/179/324	*24:02/09N/11N+	*15:35	*50:01	*06:02/46N/55/73	*07:02/50/66/74+	SBT
168	Klein, Tirza	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	PCR-SSP, SSO
9000	Klein_LR	*02	*24	*15	*50	*06	*07	PCR-SSP, SSO
725	Lardy, N.M.	*02	*24	*15	*50	*06	*07	SSO, SSP
278	Lee, Jar-How	*02:05/324	*24:02/02Q/103+	*15:35	*50:01	*06:02/28/46N/55	*07:02/159/160+	SSP, RSSO
6649	Lim, Young Ae	*02	*24	*15(B62)	*50	*12	*07	SSP
274	Lo, Raymundo	*02:05	*24	*15	*50	*06	*07	SSO
731	Loewenthal, R	*02:05:01	*24:02	*15:35	*50:01:01	*06:02	*07:02	SBT, SSO
759	Lopez-Cepero	*02:05/08/172/179+	*24:02/06/09N+	*15:35/85/118+	*50:01/08/10+	*06:02/10-13+	*07:02/13/29/31+	RSSO
23	Mah, Helen	*02	*24	*15:35	*50	*06	*07	PCR-SSO
8029	Mani, Rama	*02	*24	*15	*50	*06	*07	SSO
206	McAlack-Hana	*02	*24	*15(B62)	*50	*06	*07	RSSO
8001	Rao, Prakash	*02	*24	*15:35	*50	*06	*07	RSSO, SSP
3625	Rees, Tracey	*02:05/271	*24:02/06	*15:35	*50:01	*06	*07	PCR-SSP, SBT
5200	Reinke, Denni	*02	*24	*15(B62)	*50	*06	*07	SSP
3519	Renac, Virgi	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SBT, SSP
1160	Rosen-Bronso	*02:05	*24:02	*15:35	*50:01	*06:02/83	*07:02	RSSO, SSP, SBT
793	Rubocki, Ron	*02	*24	*15(B62)	*50	*06	*07	SSP
4251	Schiller, J	*02:05	*24:02	*15:35	*50:01	*06:02P	*07:02:01G	PCR-RSSO, SBT
747	Tiercy, Jean-	NT						
5462	Turner, E.V.	*02:05	*24:02	*15:35	*50:01	*06:02	*07:02	SBT, SSO, SSP
5642	Varnavidou-N	*02	*24	*15	*50	*06	*07	PCR-SSP
3186	Watson, Narel	*02	*24	*15:35/85/118+	*50	*06	*07	SSO, SBT

Table 12. Individual laboratory results for Cell Exchange 371

Investigator	Cell No 1481 (Black)										Cell No 1482 (Caucasian)								Cell No 1483 (Filipino)						Cell No 1484 (Asian)											
	Days Old	Viab %	A1	A34	B8	B81	Cw7	CwX	Bw6	OTHERS	Viab %	A31	A68	B35	B44	Cw4	Cw7	Bw4	Bw6	OTHERS	Viab %	A24	B38	BX	Cw3	Cw7	Bw4	Viab %	A2	A24	B62	B50	Cw6	Cw7	Bw6	OTHERS
Alonso, Anton	?	90	+	+	+	+	+	Cw 4			90	+	+	+	+	+	+				90	+	+		Cw 10			90	+	+	+	+	+	+		
Alvarez, Carr	8	80	+	+	+	B7			+		80	+	+	+	+			+	+		80	+	+			+	70	+	+	+	+			+		
Askar, Medhat	2	95	+	+	+	+	+		+		95	+	+	+	+	+	+	+	+		95	+	+		+	+	95	+	+	+	+			+	+	
Cecka, J. Mic	?	>95	+	+	+	+			+		>95	+	+	+	+			+	+		>95	+	+			+	>95	+	+	+	+			+		
Charron, Domi	?	97	+	+	+	+					98	+	+	+	+						96	+	+				97	+	+	+	+					
Claas, F.H.J.	6	90	+	+	+	+			+		90	+	+	+	+	+		+	+		90	+	+		+	+	90	+	+	+	+				+	
Dunk, Arthur	2	98	+	+	+	+	+	Cw 6	+		98	+	A28	+	+	+	+	+	+		98	+	+	B27	+	+	+	98	+	+	+	+	+	+	+	
Dunn, Paul	?	99	+	+	+	+			+		99	+	+	+	+			+	+		99	+	+			+	99	+	+	+	+				+	
Enczmann, J	?	98	+	+	+	+					95	+	+	+	+						95	+	+				98	+	+	+	+					
Esteves Kondo	2	98	+	+	+	+	+	Cw 4	+		98	+	+	+	+	+	+	+	+		98	+	+		+	+	98	+	+	+	+	+	+	+	+	
Fort, Marylis	3	97	+	+	+	+			+		98	+	+	+	+			+	+		96	+	+	B37			+	96	+	+	+	+			+	
Gideoni, Osna	?	100	+	+	+	+	+				100	+	+	+	+	+					100	+	+		+	+	100	+	+	+	+			+		
Hahn, Amy B.	?	99	+	+	+	+	+	Cw 8	+	A3402	99	+	+	+	+		+	+	+		99	+	+		+	+	99	+	+	+	+	+	+	+	+	
Hesse, Kissel	?	100	+	+	+	B7	+				100	+	+	+	+	+				95	+	+		+	+	100	+	+	+	+	+	+	+			
Holman, Richa	3	90	+	+	+	+			+		95	+	+	+	+			+	+		100	+	+			+	100	+	+	+	+				+	
Hubbell, Char	?	95	+	+	+	+			+		95	+	+	+	+			+	+		95	+	+		+	+	95	+	+	+	+				+	
Israel, Shosh	6	90	+	+	+	+	+		+		90	+	+	+	+	+	+	+	+		90	+	+		+	+	85	+	+	+	+	+	+	+	+	
Keow n, Paul M	7	85	+	+	+	+			+		85	+	A28	+	+			+	+		85	+	+			+	85	+	+	+	+				+	
Klein, Tirza	?	85	+	+	+	B7	+		+		95	+	+	+	+	+	+	+	+		80	+	+		+	+	95	+	+	+	+			+	+	
Kvam, Vonnett	2	97	+	+	+	+	+	Cw 18	+		97	+	A28	+	+	+	+	+	+		97	+	+		+	+	97	+	+	+	+	+	+	+	+	
Loew enthal MD	7	85	+	+	+	+	+		+		90	+	+	+	+	+	+	+	+		90	+	+		+	+	90	+	+	+	+	+	+	+	+	
Mah, Helen	2	98	+	+	+	+	+		+		98	+	+	+	+	+	+	+	+		98	+	+		+	+	98	+	+	+	+	+	+	+	+	+
Meyer, Pieter	6	75	+	A33	+	B7	+				80	+	+	B50	+	+	+			80	+	+		+	+	80	+		+	+	+					
Monos, Dimitr	2	99	+	+	+	+					99	+	+	+	+						99	+	+				99	+	+	+	+					
Norin, Allen	?	99	+	+	+	+			+		99	+	+	+	+			+	+		99	+	+	B47		+	99	+	+	+					+	
Pancoska, Car	2	97	+	+	+	+	+		+		98	+	+	+	+	+	+	+	+		98	+	+		Cw 10	+	+	98	+	+	+	+	+	+	+	+
Permpikul, Ve	6	85	+	+	+	B7			+		85	A33	+	+	+			+	+	85	+	+	B27			+	85	+	+	+	+			+		
Rees, Tracey	?	90	+	+	+	+	+				90	+	+	+	+	+					70	+	+		+	+	90	+	+	+	+	+	+			
Renac, Virgin	?	99	+	A10	+	+			+		99	+	A28	+	+			+	+		99	+	+			+	99	+	+	B15	B21				+	
Rosen-Bronson	2	90	+	+	+	+	+				90	+	+	+	+	+					85	+	+		+	+	95	+	+	+	+	+	+			
Rubocki, Rona	?	95	+	+	+	+	+		+		95	+	+	+	+	+	+	+	+		95	+	+		+	+	95	+	+	+	+	+	+	+	+	
Shai, Isaac	8	89	+	A10	+	B7	+		+	A29>	92	A2	A28	+	+		+	+	+	B50>	90	+	+	B39	+	+	92	+	+	+	+	+	+	+	+	Bw 4
Tiercy, Jean-	?	80	+	A10	+	+			+		90	+	+	+	+			+	+		90	+	+				98	+	+	+	+					
Varnavidou-Ni	6	98	+	+	+	+			+		98	+	+	+	+			+	+		98	+	+			+	98	+	+	+	+				+	
Vather, Nelso	?		+	+	+	+						+	A28	+	+							+	+	B44				+	+	+	+					
Vidan-Jeras,	7	85	+	+	+	+	+		+		85	+	+	+	+	+	+	+	+		85	+	+		+	+	80	+	+	+	+	+	+	+	+	+
Watson, Narel	8	80	+	+	+	+			+		60	+	A28	+	+			+	+		60	+	+			+	80	+	+	+	+				+	