REPORT OF THE 392nd CELL EXCHANGE
MAY 16, 2016

B-cell Lines	**525-526**
Cells	**1565-1568**
Sera	**1193-1196**

B-cell Line Exchange #263

The results for B-cell Line Exchange #263 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 8. We are grateful to the generosity of Franz Claas, Leiden University Medical Centre, Leiden, The Netherlands for providing the interesting cells examined in this study.

The haplotype frequencies used in this report are from the NMDP Bioinformatics website, http://bioinformatics.nmdp.org/.

Ter-525. The consensus type for this sample from a Hispanic donor is DRB1*14:06-DRB1*16:02-DRB3*01:01-DRB5*02:02-DQA1*05:03-DQA1*05:05-DQB1*03:01-DPA1*01:03-DPB1*04:01-DPB1*04:02-A*02:01-A*31:01-B*35:16-B*39:02-C*04:01-C*07:02. One probable class II haplotype in this cell is DRB1*14:06-DRB3*01:01-DQA1*05:03-DQB1*03:01, observed in previous exchange cell Ter 313 (same as Ter 240). The other likely haplotype is DRB1*16:02-DRB5*02:02-DQA1*05:05-DQB1*03:01, observed in workshop cells IHW9365 (same as Ter 447, 326, 314, 262) and IHW#9016 (same as Ter 325 and 244).

DRB1*14:06 and DRB1*16:02 were each assigned by 100% of labs reporting at high resolution, with 9 labs assigning DRB1*14:06:01 and DRB1*16:02:01. Two subtypes of DQA1*05 were present in this cell, DQA1*05:03 (92%) and DQA1*05:05 (95%). DPB1*04:01 and DPB1*04:02 were each assigned by 100%, with 6 labs assigning DPB1*04:01:01 and 7 labs assigning DPB1*04:02:01.

This cell was previously typed for class I as extract 308 (2004), and as cells 1032 (2000) and 974 (1998). In this present retyping, B*35:16 and B*39:02 were reported in complete consensus. B*39:02:02 was assigned by 7 labs. By serology, the antigens encoded by B*35:16 and B*39:02 proved a challenge for serology labs to assign back in 1998. In that initial typing, labs were unable to resolve B35 from B70 and noted the reactivity of B39 was short. A*02:01:01:01, C*04:01:01:01, and C*07:02:01:01 were assigned by NGS.

Ter-526. The consensus type for this sample from a Caucasian donor from Morocco is DRB1*03:01-DRB1*08:06-DRB3*01:01-DQA1*01:02-DQA1*05:01-DQB1*02:01-DQB1*06:02-DPA1*01:03-DPA1*02:01-DPB1*04:01-DPB1*11:01-A*24:02-A*26:01-B*35:02-B*38:01-C*04:01-C*12:03. A probable class II haplotype in this cell is DRB1*03:01-DRB3*01:01-DQB1*02:01-DQA1*05:01, observed in a number of previous exchange cells, most recently Ter 483 (same as Ter 298, 278, 217) and Ter 477 (same as Ter 402 and 352). The other likely class II haplotype in this cell is DRB1*08:06-DQA1*01:02-DQB1*05:01, observed in previous exchange cells Ter 506 (same as Ter 444 and 356) and Ter 420, also from Caucasian donors.

This cell was previously typed as Ter 409 (2008) and Ter 295 (2002), as astutely noted by Rao and Tiercy. It was also typed for class I in the International HLA DNA Exchange as DNA #507 (2007). In this present retyping, DRB1*08:06, was assigned by 94% of labs reporting at high resolution. One lab misassigned DRB1*08:04 and another misassigned DRB1*08:08. DRB1*08:06 is the most commonly observed DRB1*08 subtype in Algerian populations (1). DRB1*03:01 (100%) was reported as the second DRB1 type, with 2 NGS labs assigning DRB1*03:01:01:01. DQB1*02:01 and DQB1*06:02 were each assigned in complete consensus, with 8 labs assigning DQB1*02:01:01 and DQB1*06:02:01.

The class I types in this sample, A*24:02, A*26:01, B*35:02, B*38:01, C*04:01, and C*12:03, were all assigned in complete consensus. A*24:02:01, A*26:01:01, C*04:01:01, and C*12:03:01 were each assigned by 5 labs, and B*35:02:01 and B*38:01:01 were assigned by 6 labs.

1. Benmamer D, Martinez-Lasso J, Varela P, et al. Evolutionary relationships of HLA-DR8 alleles and description of a new subtype (DRB1*0806) in the Algerian Population. Hum Immunol 1993;36:172-178.

Table 1: Summary of the 263rd B-cell Line Exchange

Ter-525

DNA Typing - class II

35 labs High; 38 labs low-DRB1	%(n)
DRB1*14:06:01	26(9)
DRB1*14:06	74(26)
DRB1*14	100(38)

22 labs High; 28 labs Low-DRB3/4/5	%(n)
DRB3*01:01:02	5 (1)
DRB3*01:01	95(21)
DRB3*01	79(22)
DRB3*PRESENT	21(6)

24 labs High; 27 labs Low-DQA1	%(n)
DQA1*05:01:01G	8 (2)
DQA1*05:03	92(22)
DQA1*05	100(27)

33 High Labs; 36 labs Low-DQB1	%(n)
DQB1*03:01:01:01	9 (3)
DQB1*03:01:01	15(5)
DQB1*03:01	76(25)
DQB1*03(DQ7)	6 (2)
DQB1*03	94(34)

14 High Labs; 15 labs Low-DPA1	%(n)
DPA1*01:03:01:02	7 (1)
DPA1*01:03:01	7 (1)
DPA1*01:03	86(12)
DPA1*01	100(15)

31 High Labs; 18 labs Low-DPB1	%(n)
DPB1*04:01:01:01	3 (1)
DPB1*04:01:01	16(5)
DPB1*04:01:01G	13(4)
DPB1*04:01P	3 (1)
DPB1*04:01	65(20)
DPB1*04(DP0401)	67(12)
DPB1*04	33(6)

34 labs High; 38 labs low-DRB1	%(n)
DRB1*16:02:01	26(9)
DRB1*16:02	74(25)
DRB1*16	100(38)

21 labs High; 28 labs Low-DRB3/4/5	%(n)
DRB5*02:02P	5 (1)
DRB5*02:02	95(20)
DRB5*02	75(21)
DRB5*PRESENT	25(7)

22 labs High; 20 Labs Low-DQA1	%(n)
DQA1*05:05:01:03	4.5 (1)
DQA1*05:05:01	4.5 (1)
DQA1*05:05:01G	4.5 (1)
DQA1*05:05	82(18)
*DQA1*05:01*	4.5 (1)
DQA1*05	100(20)

31 High Labs; 17 labs Low-DPB1	%(n)
DPB1*04:02:01:02	10(3)
DPB1*04:02:01	13(4)
DPB1*04:02:01G	16(5)
DPB1*04:02P	3 (1)
DPB1*04:02	58(18)
DPB1*04(DP402)	76(13)
DPB1*04	24(4)

DNA Typing - class I

19 labs High; 27 labs low- A	%(n)
A*02:01:01:01	21(4)
A*02:01:01	16(3)
A*02:01	63(12)
A*02	100(27)

22 labs High; 27 labs low- B	%(n)
B*35:16	100(22)
B*35	100(27)

18 labs High; 27 labs low- C	%(n)
C*04:01:01:01	17(3)
C*04:01:01	11(2)
C*04:01:01G	6 (1)
C*04:01P	6 (1)
C*04:01	61(11)
C*04	100(27)

19 labs High; 27 labs low- A	%(n)
A*31:01:02G	5 (1)
A*31:01:02	32(6)
A*31:01	63(12)
A*31	100(27)

21 labs High; 27 labs low- B	%(n)
B*39:02:02	33(7)
B*39:02	67(14)
B*39	100(27)

18 labs High; 28 labs low- C	%(n)
C*07:02:01:01	17(3)
C*07:02:01	11(2)
C*07:02:01G	11(2)
C*07:02	61(11)
C*07	100(28)

Table 2: Summary of the 263rd B-cell Line Exchange

Ter-526

DNA Typing - class II

35 labs High; 38 labs low-DRB1	%(n)
DRB1*03:01:01:01	6 (2)
DRB1*03:01:01	14(5)
DRB1*03:01:01G	3 (1)
DRB1*03:01	77(27)
DRB1*03(DR17)	8 (3)
DRB*03	92(35)
35 labs High; 37 labs low-DRB1	**%(n)**
DRB1*08:06	94(33)
*DRB1*08:04*	3 (1)
*DRB1*08:08*	3 (1)
DRB1*08	100(35)

21 labs High; 28 labs Low-DRB3	%(n)
DRB3*01:01:02	5 (1)
DRB3*01:01	95(20)
DRB3*01	79(22)
DRB3*PRESENT	21(6)

22 labs High; 27 labs Low-DQA1	%(n)
DQA1*01:02:01	9 (2)
DQA1*01:02P	5 (1)
DQA1*01:02	77(17)
DQA1*01:01/02	9 (2)
DQA1*01	100(27)
25 labs High; 27 labs Low-DQA1	**%(n)**
DQA1*05:01:01:01	4 (1)
DQA1*05:01:01	4 (1)
DQA1*05:01:01G	4 (1)
DQA1*05:01	88(22)
DQA1*05	100(27)

32 High Labs; 36 labs Low-DQB1	%(n)
DQB1*02:01:01	25(8)
DQB1*02:01	75(24)
DQB1*02	100(36)
DQB1*02	100(15)
32 High Labs; 33 labs Low-DQB1	**%(n)**
DQB1*06:02:01	25(8)
DQB1*06:02	75(24)
DQB1*06	100(36)

13 High Labs; 15 labs Low-DPA1	%(n)
DPA1*01:03:01:04	8 (1)
DPA1*01:03:01	8 (1)
DPA1*01:03	84(11)
DPA1*01	100(15)
14 High Labs; 13 labs Low-DPA1	**%(n)**
DPA1*02:01:01	14(2)
DPA1*02:01	86(12)
DPA1*02	100(15)

31 High Labs; 18 labs Low-DPB1	%(n)
DPB1*04:01:01:01	3 (1)
DPB1*04:01:01	16(5)
DPB1*04:01:01G	10(3)
DPB1*04:01	71(22)
DPB1*04(DP401)	72(13)
DPB1*04	28(5)
31 High Labs; 18 labs Low-DPB1	**%(n)**
DPB1*11:01:01	23(7)
DPB1*11:01	77(24)
DPB1*11	100(18)

DNA Typing - class I

18 labs High; 28 labs low- A	%(n)
A*24:02:01:01	17(3)
A*24:02:01	11(2)
A*24:02	72(13)
A*24	100(28)
18 labs High; 28 labs low- A	**%(n)**
A*26:01:01	28(5)
A*26:01	72(13)
A*26	100(28)

20 labs High; 27 labs low- B	%(n)
B*35:02:01	30(6)
B*35:02	70(14)
B*35	100(27)
19 labs High; 27 labs low- B	**%(n)**
B*38:01:01	32(6)
B*38:01:02	5 (1)
B*38:01	63(12)
B*38	100(27)

18 labs High; 28 labs low- C	%(n)
C*04:01:01:01	6 (1)
C*04:01:01	22(4)
C*04:01:01G	6 (1)
C*04:01P	6 (1)
C*04:01	61(11)
C*04	100(28)
18 labs High; 28 labs low- C	**%(n)**
C*12:03:01:01	17(3)
C*12:03:01	11(2)
C*12:03:01G	11(2)
C*12:03	61(11)
C*12	100(28)

Table 3a: Individual laboratory results for B-cell #525-Class II

		Low resolution													
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
5488	Adams , Sharon			3*01	5*02									SSP SSO SBT	
5462	Arnold , Paula	*14	*16	3*01	5*02	*05	*05	*03		*01	*01	*04(DP401)	*04(DP402)	SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*14	*16	3*01	5*02	*05	*05	*03		*01		*04(DP401)	*04(DP402)	SSO SBT NGS	
774	Cecka , J. Michael	*14	*16	3*01	5*02	*05	*05	*03				*04(DP401)	*04(DP402)	SSP SSO	
9916	Charlton , Ronald K	*14	*16	3*PRESENT	5*PRESENT			*03						SSP SBT	
3224	Chen , Dong-Feng	*14	*16	3*PRESENT	5*PRESENT	*05		*03		*01		*04	*04(DP402)	SBT RT-PCR	
3632	Colombe , Beth W.	*14	*16	3*01	5*02	*05	*05	*03		*01		*04	*04	SSP SSO	
5130	Costeas , Paul A.	*14	*16					*03	*03					SSP SSO	
779	Daniel , Claude	*14	*16	3*01	5*02	*05	*05	*03		*01		*04(DP401)	*04(DP402)		
5219	Daniel , Dolly	*14	*16					*03	*03						
1108	DeConinck , Martha	*14	*16	3*01	5*02	*05	*05	*03	*03	*01	*01			SSO	
87	Di Paola , Nicholas	*14	*16	3*01	5*02	*05		*03(DQ7)		*01		*04(DP401)	*04(DP402)	SSP	
5214	Eckels/CPMC ,	*14	*16	3*01	5*02	*05	*05	*03(DQ7)		*01		*04(DP401)	*04(DP402)	SSO	
4079	Fort , Marylise	*14	*16					*03						SSP SSO	
792	Gandhi , Manish	*14	*16	3*01	5*02	*05	*05	*03		*01	*01	*04	*04	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*14	*16			*05	*05	*03	*03					SSO	
1694	Hesse , Nicole	*14	*16	3*PRESENT	5*PRESENT			*03						SSP	
8043	Hod , Reut	*14	*16			*05	*05	*03						SSP SSO	
771	Israel , Shoshana	*14	*16					*03						SSP SSO	
794	Jaatinen , Taina	*14	*16	3*01	5*02	*05		*03		*01		*04		SSP SSO SBT RT-PCR	
725	Lardy , N.M.	*14	*16	3*PRESENT	5*PRESENT	*05		*03						SSP SSO	
278	Lee , Jar-How	*14	*16	3*01	5*02	*05	*05	*03	*03	*01	*01	*04(DP401)	*04(DP402)		
6649	Lim , Young Ae	*14	*16	3*PRESENT	5*PRESENT									SSP	
2400	Liu , Chang	*14	*16	3*01	5*02	*05	*05	*03				*04	*04		
731	Loewenthal , Ron	*14	*16					*03						SSO SBT	
206	McAlack , Robert	*14	*16	3*01	5*02	*05	*05	*03	*03	*01	*01	*04	*04		
8042	Muncher , Liora	*14	*16	3*01	5*02	NT	NT	*03	*03	NT	NT	NT	NT	SSP SSO	
2847	Murase , Junko	*14	*16											SSO	
54	Pancoska , Carol	*14	*16	3*01	5*02	*05		*03		*01		*04(DP401)	*04(DP402)	SSO	
8001	Rao , Prakash					*05								SSP SSO	
3519	Renac , Virginie	*14	*16					*03				*04(DP401)	*04(DP402)	SSP SBT	
1160	Rosen-Bronson , Sa	*14	*16	3*01	5*02	*05		*03		*01				SSO	
793	Rubocki , Ronald	*14	*16	3*01	5*PRESENT	*05	*05	*03				*04(DP401)	*04(DP402)	SSP	
4251	Schiller , Jennifer	*14	*16	3*01	5*02	*05	*05	*03	*03	*01	*01	*04(DP401)	*04(DP402)	SSO SBT	
8068	Shanmugam , Hem	*14	*16	3*01	5*02	*05	*05	*03	*03					SSO	
8029	Tarigopula , Anil	*14	*16			*05	*05	*03	*03					SSO	
747	Tiercy , Jean-Marie	*14	*16	3*01	5*02	*05	*05	*03				*04(DP401)	*04(DP402)	SSP SSO SBT	
5451	Tilanus , Marcel G.	*14	*16	3*01	5*02	*05	*05	*03						SSO SBT	
5642	Varnavidou-Nicolaid	*14	*16	3*PRESENT	5*PRESENT			*03						SSP	
8052	Yanina Marcos , Cil	*14	*16			*05	*05	*03	*03					SSO	

Table 3b: Individual laboratory results for B-cell #525-Class II

		High resolution													
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
5488	Adams , Sharon	*14:06:01	*16:02:01			*05:03	*05:05	*03:01:01				*04:01:01	*04:02:01	SSP SSO SBT	DPB1*105:01, DPB1*126:01
5462	Arnold , Paula	*14:06	*16:02	3*01:01	5*02:02P	*05:03	NT	*03:01		*01:03	*01:03	*04:01P	*04:02P	SSP SSO SBT RT-PCR	DPB1*105:01, DPB1*126:01, DRB5*02:06, DQA1*05:07, DQA1*05:05, DQA1*05:09, DQA1*05:11, DRB3*01:16, DPA1*01:13
5133	Askar , Medhat	*14:06:01	*16:02:01	3*01:01:02	5*02:02	*05:03	*05:05:01	*03:01:01		*01:03:01		*04:01:01	*04:02:01	SSO SBT NGS	
4492	Caillat-Zucman , S	*14:06:01	*16:02:01	3*01:01	5*02:02	*05:03	*05:05	*03:01:01:01	*03:01:01	*01:03	*01:03	*04:01:01	*04:02:01:02	SSO NGS	DPA1*01:13, DQA1*05:07, DQA1*05:09, DQA1*05:11, DPB1*105:01, DPB1*126:01
774	Cecka , J. Michael	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01				*04:01	*04:02	SSP SSO	DRB3*01:16, DRB5*02:06
8070	Chang , Uckjin	*14:06	*16:02											SBT	
9916	Charlton , Ronald	*14:06:01	*16:02:01	3*01:01	5*02:02			*03:01:01				*04:01:01	*04:02:01	SSP SBT	DPB1*105:01, DPB1*126:01
3224	Chen , Dong-Feng	*14:06	*16:02	3*01:01	5*02:02	*05:01:01G		*03:01				*04:01	*04:02:01G	SBT RT-PCR	
8021	Clark , Brendan	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:01	*03:01		*01:03		*04:01	*04:02	SSO	
3632	Colombe , Beth W	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01		*01:03		*04:01	*04:02	SSP SSO	DPB1*105:01, DPB1*126:01
5130	Costeas , Paul A.	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01	*03:01					SSP SSO	
779	Daniel , Claude	*14:06		3*01:01		*05:03	*05:05	*03:01		*01:03		*04:01	*04:02		
5214	Eckels/CPMC									*01:03		*04:01:01G	*04:02:01G	SSO	
3135	Enczmann , J	*14:06	*16:02	3*01:01	5*02:02			*03:01	*03:01			*04:01	*04:02		
762	Fischer , Gottfried	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01				*04:01	*04:02	SSP SSO SBT	DRB3*01:04/ *01:16, DRB5*02:06, DQB1*03:19/ *03:115, DQB1*03:182/ *03:191, DQB1*03:29/ *03:84N, DPB1*105:01, DPB1*126:01
4079	Fort , Marylise											*04:01	*04:02	SSP SSO	
792	Gandhi , Manish	*14:06	*16:02			*05:03	*05:05	*03:01				*04:01	*04:02	SSP SSO SBT	DQA1*05:09, DPB1*105:01, DPB1*126:01
810	Hamdi , Nuha	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01	*03:01					SSO	
8043	Hod , Reut	*14:06	*16:02			*05:03	*05:05	*03:01		*01:03		*04:01	*04:02	SSP SSO	

Table 3b: Individual laboratory results for B-cell #525-Class II

		High resolution													
Center	**Investigator**	**DRB1**		**DRB3/4/5**		**DQA1**		**DQB1**		**DPA1**		**DPB1**		**METHOD**	**Other Alelles**
2344	Hurley , Hartzman	*14:06:01	*16:02:01			*05:03	*05:05:01:03	*03:01:01:01	*03:01:01:01	*01:03:01:02	*01:03:01:05	*04:01:01:01	*04:02:01:02	NGS	DQB1*03:01:01:02/*03:01:01:03, DQB1*03:01:01:02/*03:01:01:03, DPB1*DPB1*04:01:01:02/*126:01, DPB1*105:01
771	Israel , Shoshana	*14:06	*16:02					*03:01						SSP SSO	
794	Jaatinen , Taina	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01		*01:03		*04:01	*04:02	SSP SSO SBT RT-PCR	DRB1*16:35, DQA1*05:07, DQA1*05:09, DQA1*05:11, DPB1*105:01, DPB1*350:01, DPB1*415:01/*459:01/*436:01/*464:01
8086	Keming , Du	*14:06	*16:02			*05:03	*05:05	*03:01	*03:01	*01:03	*01:03	*04:01	*04:02	SSP SSO SBT	DPB1*105:01, DPB1*126:01
4337	Kim , Tai-Gyu	*14:06	*16:02					*03:01	*03:01			*04:01	*04:02	SBT	
278	Lee , Jar-How	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01	*03:01	*01:03	*01:03	*04:01	*04:02		DRB5*02:06, DQA1*05:07, DQA1*05:09, DQA1*05:11, DQB1*03:10, DPA1*01:13
2400	Liu , Chang	*14:06	*16:02			*05:03	*05:05	*03:01				*04:01:01G	*04:02:01G		
731	Loewenthal , Ron	*14:06:01	*16:02:01					*03:01:01						SSO SBT	DQB1*03:27
8042	Muncher , Liora	*14:06	*16:02	3*01:01	5*02:02	NT	NT	*03:01	*03:01	NT	NT	NT	NT	SSP SSO	
54	Pancoska , Carol									*01:03		*04:01	*04:02	SSO	
3966	Permpikul , Vejbae	*14:06	*16:02	3*01:01	5*02:02			*03:01	*03:01					SSP	
8001	Rao , Prakash	*14:06	*16:02	3*01:01	5*02:02			*03:01				*04:01	*04:02	SSP SSO	DRB5*02:06
3753	Reed , Elaine F.	*14:06:01	*16:02:01	3*01:01	5*02:02	*05:03	*05:05	*03:01:01:01	*03:01:01:01	*01:03	*01:03	*04:01:01	*04:02:01:02	SSO NGS	DPB1*105:01, DPB1*126:01, DRB3*01:04, DRB5*02:06, DQA1*05:01, DQA1*05:09, DQA1*05:11, DQA1*05:07, DPA1*01:13
3519	Renac , Virginie	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01				*04:01	*04:02	SSP SBT	DPB1*126:01, DPB1*105:01
1160	Rosen-Bronson , S											*04:01	*04:02	SSO	
793	Rubocki , Ronald					*05:01:01G	*05:01:01G					*04:01:01G	*04:02:01G	SSP	
4251	Schiller , Jennifer	*14:06	*16:02					*03:01	*03:01			*04:01:01G	*04:02:01G	SSO SBT	
747	Tiercy , Jean-Mari	*14:06:01	*16:02:01	3*01:01	5*02:02	*05:03	*05:05	*03:01:01				*04:01	*04:02:01	SSP SSO SBT	DQA1*05:07, DQA1*05:09, DQA1*05:11

Table 3b: Individual laboratory results for B-cell #525-Class II															
		High resolution													
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
5451	Tilanus , Marcel G	*14:06:01	*16:02:01											SSO SBT	
5642	Varnavidou-Nicola	*14:06	*16:02					*03:01						SSP	
3511	Zeevi , Adriana	*14:06	*16:02	3*01:01	5*02:02	*05:03	*05:05	*03:01				*04:01	*04:02	SSP SSO	

Table 4: Individual laboratory results for B-cell #525-Class II									
	Serology								
CTR	DIRNAME	DR6	DR2	DR52	DR51	DQ7		OTH1	OTH2
910	Hahn,Amy B.		DR15	+	+	+		DR3, DR12	DR18,DR4
4908	Kvam,Vonnet	NT							

Table 5: Individual laboratory results for B-cell #525-Class I															
		Low resolution						High resolution							
Center	Investigator	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
5488	Adams , Sharon					*04	*07	*02:01:01	*31:01:02	*35:16	*39:02:02			SSP SSO SBT	
5462	Arnold , Paula	NT												SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*02	*31	*35	*39	*04	*07	*02:01:01	*31:01:02	*35:16	*39:02:02	*04:01:01	*07:02:01	SSO SBT NGS	
4492	Caillat-Zucman , Sc							*02:01:01:01	*31:01:02	*35:16	*39:02:02	*04:01:01:01	*07:02:01:01	SSO NGS	
774	Cecka , J. Michael	*02	*31	*35	*39	*04	*07			*35:16	*39:02			SSP SSO	B*39:13/*39:23
8070	Chang , Uckjin													SBT	
9916	Charlton , Ronald K	*02	*31	*35	*39	*04	*07	*02:01:01:01	*31:01:02	*35:16	*39:02:02	*04:01:01	*07:02:01	SSP SBT	
3224	Chen , Dong-Feng	*02	*31	*35	*39	*04	*07	*02:01:01	*31:01	*35:16	*39:02	*04:01:01G	*07:02:01G	SBT RT-PCR	
8021	Clark , Brendan	*02	*31	*35	*39	*04	*07							SSO	
5130	Costeas , Paul A.	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSP SSO	
779	Daniel , Claude	*02	*31	*35	*39	*04	*07			*35:16	*39:02				
5219	Daniel , Dolly	*02	*31	*35	*39	*04	*07								
1108	DeConinck , Martha	*02	*31	*35	*39	*04	*07							SSO	
87	Di Paola , Nicholas	*02	*31	*35	*39	*04	*07							SSP	
5214	Eckels/CPMC ,	*02	*31	*35	*39	*04	*07			*35:16				SSO	
3135	Enczmann , J							*02:01	*31:01	*35:16	*39:02	*04:01	*07:02		A*02:01L, C*04:09N
792	Gandhi , Manish	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*02	*31	*35	*39	*04	*07							SSO	
810	Hamdi , Nuha							*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSO	
1694	Hesse , Nicole	*02	*31	*35	*39	*04	*07							SSP	
2344	Hurley , Hartzman&							*02:01:01:01	*31:01:02	*35:16	*39:02:02	*04:01:01:01	*07:02:01:01	NGS	
794	Jaatinen , Taina	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSP SSO SBT RT-PCR	A*31:01N, C*04:30/*04:82, C*07:50/*07:349
8086	Keming , Du							*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSP SSO SBT	
4337	Kim , Tai-Gyu							*02:01	*31:01	*35:16	*39:02:02	*04:01	*07:02	SBT	
278	Lee , Jar-How	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02		
2400	Liu , Chang	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02:01G		
731	Loewenthal , Ron													SSO SBT	
206	McAlack , Robert	*02	*31	*35	*39	*04	*07								
8042	Muncher , Liora	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSP SSO	
2847	Murase , Junko	*02	*31	*35	*39	*04	*07							SSO	
54	Pancoska , Carol	*02	*31	*35	*39	*04	*07							SSO	
3966	Permpikul , Vejbaes	*02	*31	*35	*39	*04	*07							SSP	
3753	Reed , Elaine F.							*02:01:01:01	*31:01:02	*35:16	*39:02:02	*04:01:01:01	*07:02:01:01	SSO NGS	
3519	Renac , Virginie	*02	*31	*35	*39	*04	*07	*02:01	*31:01	*35:16	*39:02	*04:01	*07:02	SSP SBT	
4251	Schiller , Jennifer	*02	*31	*35	*39	*04	*07	*02:01	*31:01:02G	*35:16	*39:02	*04:01P	*07:02	SSO SBT	
8068	Shanmugam , Hem	*02	*31	*35	*39	*04	*07							SSO	
8029	Tarigopula , Anil	*02	*31	*35	*39	*04	*07							SSO	
8052	Yanina Marcos , Cir	*02	*31	*35	*39	*04	*07							SSO	

Table 6a: Individual laboratory results for B-cell #526-Class II															
		Low resolution													
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
5488	Adams , Sharon			3*01										SSP SSO SBT	
5462	Arnold , Paula	*03	*08	3*01	NP	*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*03	*08	3*01		*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SSO SBT NGS	
774	Cecka , J. Michael	*03	*08	3*01		*01	*05	*02	*06			*04(DP401)	*11	SSP SSO	
9916	Charlton , Ronald K	*03	*08	3*PRESENT				*02	*06					SSP SBT	
3224	Chen , Dong-Feng	*03	*08	3*PRESENT		*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SBT RT-PCR	
3632	Colombe , Beth W.	*03	*08	3*01		*01	*05	*02	*06	*01	*02	*04	*11	SSP SSO	
5130	Costeas , Paul A.	*03	*08					*02	*06					SSP SSO	
779	Daniel , Claude	*03	*08	3*01	3*01	*01	*05	*02	*06	*01	*02	*04(DP401)	*11		
5219	Daniel , Dolly	*03	*08					*02	*06						
1108	DeConinck , Martha	*03	*08	3*01	3*01	*01	*05	*02	*06	*01	*02			SSO	
87	Di Paola , Nicholas	*03(DR17)	*08	3*01		*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SSP	
5214	Eckels/CPMC ,	*03(DR17)	*08	3*01		*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SSO	
4079	Fort , Marylise	*03	*08					*02	*06					SSP SSO	
792	Gandhi , Manish	*03	*08	3*01		*01	*05	*02	*06	*01	*02	*04	*11	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*03	*08			*01	*05	*02	*06					SSO	
1694	Hesse , Nicole	*03	*08	3*PRESENT				*02	*06					SSP	
8043	Hod , Reut	*03	*08			*01	*05	*02	*06					SSP SSO	
771	Israel , Shoshana	*03	*08					*02	*06					SSP SSO	
794	Jaatinen , Taina	*03	*08	3*01		*01	*05	*02	*06	*01	*02	*04	*11	SSP SSO SBT RT-PCR	
725	Lardy , N.M.	*03	*08	3*PRESENT		*01	*05	*02	*06					SSP SSO	
278	Lee , Jar-How	*03	*08	3*01	NT	*01	*05	*02	*06	*01	*02	*04(DP401)	*11		
6649	Lim , Young Ae	*03	*08	3*PRESENT										SSP	
2400	Liu , Chang	*03	*08	3*01		*01	*05	*02	*06			*04	*11		
731	Loewenthal , Ron	*03	*08					*02	*06					SSO SBT	
206	McAlack , Robert	*03	*08	3*01		*01	*05	*02	*06	*01	*02	*04	*11		
8042	Muncher , Liora	*03	*08	3*01	NP	NT	NT	*02	*06	NT	NT	NT	NT	SSP SSO	
2847	Murase , Junko	*03	*08											SSO	
54	Pancoska , Carol	*03(DR17)	*08	3*01		*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SSO	
8001	Rao , Prakash					*01	*05							SSP SSO	
3519	Renac , Virginie	*03	*08					*02	*06			*04(DP401)	*11	SSP SBT	
1160	Rosen-Bronson , Sa	*03	*08	3*01		*01	*05	*02	*06	*01	*02			SSO	
793	Rubocki , Ronald	*03	*08	3*01		*01	*05	*02	*06			*04(DP401)	*11	SSP	
4251	Schiller , Jennifer	*03	*08	3*01		*01	*05	*02	*06	*01	*02	*04(DP401)	*11	SSO SBT	
8068	Shanmugam , Hem	*03	*08	3*01	3*01	*01	*05	*02	*06					SSO	
8029	Tarigopula , Anil	*03	*08			*01	*05	*02	*06					SSO	
747	Tiercy , Jean-Marie	*03	*08	3*01		*01	*05	*02	*06			*04(DP401)	*11	SSP SSO SBT	
5451	Tilanus , Marcel G.J	*03	*08	3*01		*01	*05	*02	*06					SSO SBT	
5642	Varnavidou-Nicolaid	*03	*08	3*PRESENT				*02	*06					SSP	
8052	Yanina Marcos , Cir	*03	*08			*01	*05	*02	*06					SSO	

Table 6b: Individual laboratory results for B-cell #526-Class II

		High resolution/Intermediate											
Center	Investigator	DRB1		DRB3/4/5	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
5488	Adams , Sharon	*03:01:01	*08:06		*01:02	*05:01	*02:01:01	*06:02:01			*04:01:01	*11:01:01	SSP SSO SBT	
5462	Arnold , Paula	*03:01	*08:06	3*01:01	*01:02P	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01	SSP SSO SBT RT-PCR	DPA1*01:13, DRB3*01:16, DQA1*01:01:03/*01:08/*01:09/*01:11
5133	Askar , Medhat	*03:01:01	*08:06	3*01:01:02	*01:02:01	*05:01:01	*02:01:01	*06:02:01	*01:03:01	*02:01:01	*04:01:01	*11:01:01	SSO SBT NGS	
4492	Caillat-Zucman , S	*03:01:01	*08:06	3*01:01	*01:01/ *01:02	*05:01	*02:01:01	*06:02:01	*01:03	*02:01	*04:01:01	*11:01:01	SSO NGS	DQA1*01:08/*01:09/*01:11, DPA1*01:13
774	Cecka , J. Michael	*03:01	*08:06	3*01:01			*02:01	*06:02			*04:01	*11:01	SSP SSO	DRB1*03:68N/*03:83/*03:100/*03:104/*03:112, DRB3*01:16, DQB1*02:07/*02:14/*02:27, DQB1*06:84/*06:109/*06:111/*06:113/*06:114/*06:116/*06:117/*06:127
8070	Chang , Uckjin	*03:01	*08:08										SBT	
9916	Charlton , Ronald I	*03:01:01	*08:06	3*01:01			*02:01:01	*06:02:01			*04:01:01	*11:01:01	SSP SBT	
3224	Chen , Dong-Feng	*03:01	*08:06	3*01:01		*05:01:01G	*02:01	*06:02			*04:01	*11:01	SBT RT-PCR	
8021	Clark , Brendan	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01	SSO	
3632	Colombe , Beth W	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01	SSP SSO	
5130	Costeas , Paul A.	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02					SSP SSO	DRB1*03:28
779	Daniel , Claude	*03:01	*08:06		*01:02	*05:01			*01:03	*02:01	*04:01	*11:01		
5214	Eckels/CPMC					*05:01				*02:01	*04:01:01G	*11:01	SSO	
3135	Enczmann , J	*03:01	*08:06	3*01:01			*02:01	*06:02			*04:01	*11:01		
762	Fischer , Gottfried	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02			*04:01	*11:01	SSP SSO SBT	DRB3*01:04/*01:16, DQB1*02:09/*02:59, DQB1*06:47, DQB1*06:109
4079	Fort , Marylise										*04:01	*11:01	SSP SSO	
792	Gandhi , Manish	*03:01	*08:06		*01:02	*05:01	*02:01	*06:02			*04:01	*11:01	SSP SSO SBT	
810	Hamdi , Nuha	*03:01	*08:04	3*01:01	*01:02	*05:01	*02:01	*06:02					SSO	
8043	Hod , Reut	*03:01	*08:06		*01:02	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01	SSP SSO	
2344	Hurley , Hartzman	*03:01:01:01	*08:06		*01:02:01	*05:01:01:01	*02:01:01	*06:02:01	*01:03:01:04	*02:01:01	*04:01:01:01	*11:01:01	NGS	DPB1*04:01:01:02, DQA1*05:01:01:02
771	Israel , Shoshana	*03:01	*08:06				*02:01	*06:02					SSP SSO	
794	Jaatinen , Taina	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01	SSP SSO SBT RT-PCR	DRB1*03:68N/*03:83/*03:104, DQA1*01:08/*01:09/*01:11, DPB1*350:01, DPB1*415:01/*459:01/*464:01
8086	Keming , Du	*03:01	*08:06		*01:02	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01	SSP SSO SBT	DPA1*01:06, DPA1*02:03

Table 6b: Individual laboratory results for B-cell #526-Class II														
		High resolution/Intermediate												
Center	Investigator	DRB1		DRB3/4/5	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
4337	Kim , Tai-Gyu	*03:01	*08:06				*02:01	*06:02			*04:01	*11:01	SBT	
278	Lee , Jar-How	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02	*01:03	*02:01	*04:01	*11:01		
2400	Liu , Chang	*03:01	*08:06		*01:02	*05:01	*02:01	*06:02			*04:01:01G	*11:01		
731	Loewenthal , Ron	*03:01:01G	*08:06				*02:01:01	*06:02:01					SSO SBT	
8042	Muncher , Liora	*03:01	*08:06	3*01:01	NT	NT	*02:01	*06:02	NT	NT	NT	NT	SSP SSO	
54	Pancoska,Carol					*05:01			*01:03	*02:01	*04:01	*11:01	SSO	
3966	Permpikul , Vejbae	*03:01	*08:06	3*01:01			*02:01	*06:02					SSP	
8001	Rao , Prakash	*03:01	*08:06	3*01:01			*02:01	*06:02			*04:01	*11:01	SSP SSO	
3753	Reed , Elaine F.	*03:01:01:01	*08:06	3*01:01	*01:02	*05:01	*02:01:01	*06:02:01	*01:03	*02:01	*04:01:01	*11:01:01	SSO NGS	DRB3*01:04, DQA1*01:08/*01:09/ *01:11/*01:13
3519	Renac , Virginie	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02			*04:01	*11:01	SSP SBT	DPB1*350:01
1160	Rosen-Bronson , S										*04:01	*11:01	SSO	
793	Rubocki , Ronald				*01:02	*05:01					*04:01	*11:01	SSP	
4251	Schiller , Jennifer	*03:01	*08:06				*02:01	*06:02			*04:01:01G	*11:01	SSO SBT	
747	Tiercy , Jean-Marie	*03:01	*08:06	3*01:01	*01:01/ *01:02	*05:01	*02:01:01	*06:02:01			*04:01	*11:01:01	SSP SSO SBT	DQA1*01:08/*01:09, DQA1*01:11
5451	Tilanus , Marcel G.	*03:01:01	*08:06										SSO SBT	
5642	Varnavidou-Nicola	*03:01	*08:06				*02:01	*06:02					SSP	
3511	Zeevi , Adriana	*03:01	*08:06	3*01:01	*01:02	*05:01	*02:01	*06:02			*04:01	*11:01	SSP SSO	

Table 7: Individual laboratory results for B-cell #526-Class II

	Serology								
CTR	DIRNAME	DR17	DR8	DR52	DQ2	DQ1		OTH1	OTH2
910	Hahn,Amy B.	+		+	+	+		DR14	
4908	Kvam,Vonnett	+	+	+	+	+			

Table 8: Individual laboratory results for B-cell #526-Class I															
		Low Resolution						High resolution							
Center	Investigator	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
5488	Adams , Sharon	*24	*26			*04	*12			*35:02:01	*38:01:01			SSP SSO SBT	
5462	Arnold , Paula	NT												SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*24	*26	*35	*38	*04	*12	*24:02:01	*26:01:01	*35:02:01	*38:01:01	*04:01:01	*12:03:01	SSO SBT NGS	
4492	Caillat-Zucman , Sc							*24:02:01:01	*26:01:01	*35:02:01	*38:01:01	*04:01:01	*12:03:01:01	SSO NGS	
774	Cecka , J. Michael	*24	*26	*35	*38	*04	*12			*35:02				SSP SSO	B*35:129N/*35:182/*35:183/*35:211/*35:220
9916	Charlton , Ronald K	*24	*26	*35	*38	*04	*12	*24:02	*26:01:01	*35:02:01	*38:01:01	*04:01:01	*12:03:01:01	SSP SBT	
3224	Chen , Dong-Feng	*24	*26	*35	*38	*04	*12	*24:02:01	*26:01	*35:02	*38:01	*04:01:01G	*12:03:01G	SBT RT-PCR	
8021	Clark , Brendan	*24	*26	*35	*38	*04	*12							SSO	
3632	Colombe , Beth W.													SSP SSO	
5130	Costeas , Paul A.	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SSP SSO	A*26:58
779	Daniel , Claude	*24	*26	*35	*38	*04	*12								
5219	Daniel , Dolly	*24	*26	*35	*38	*04	*12								
1108	DeConinck , Martha	*24	*26	*35	*38	*04	*12							SSO	
87	Di Paola , Nicholas	*24	*26	*35	*38	*04	*12							SSP	
5214	Eckels/CPMC ,	*24	*26	*35	*38	*04	*12							SSO	
3135	Enczmann , J							*24:02	*26:01	*35:02	*38:01	*04:01	*12:03		C*04:09N
792	Gandhi , Manish	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*24	*26	*35	*38	*04	*12							SSO	
810	Hamdi , Nuha							*24:02	*26:01	*35:02	*38:01:02	*04:01	*12:03	SSO	
1694	Hesse , Nicole	*24	*26	*35	*38	*04	*12							SSP	
2344	Hurley , Hartzman&							*24:02:01:01	*26:01:01	*35:02:01	*38:01:01	*04:01:01	*12:03:01	NGS	
794	Jaatinen , Taina	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SSP SSO SBT RT-PCR	C*04:30/*04:82M, C*12:143
8086	Keming , Du							*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SSP SSO SBT	
4337	Kim , Tai-Gyu							*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SBT	
278	Lee , Jar-How	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03		
6649	Lim , Young Ae													SSP	
2400	Liu , Chang	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03		
206	McAlack , Robert	*24	*26	*35	*38	*04	*12								
8042	Muncher , Liora	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SSP SSO	
2847	Murase , Junko	*24	*26	*35	*38	*04	*12							SSO	
54	Pancoska , Carol	*24	*26	*35	*38	*04	*12							SSO	
3966	Permpikul , Vejbaes	*24	*26	*35	*38	*04	*12							SSP	
3753	Reed , Elaine F.							*24:02:01:01	*26:01:01	*35:02:01	*38:01:01	*04:01:01:01	*12:03:01:01	SSO NGS	
3519	Renac , Virginie	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01	*12:03	SSP SBT	
4251	Schiller , Jennifer	*24	*26	*35	*38	*04	*12	*24:02	*26:01	*35:02	*38:01	*04:01P	*12:03:01G	SSO SBT	
8068	Shanmugam , Hem	*24	*26	*35	*38	*04	*12							SSO	
8029	Tarigopula , Anil	*24	*26	*35	*38	*04	*12							SSO	
8052	Yanina Marcos , Cir	*24	*26	*35	*38	*04	*12							SSO	

CELL EXCHANGE #392

The results for Cell Exchange #392 are summarized in Table 9 and Table 10. Molecular typing results for individual laboratories are listed in Tables 11 -14 for each sample and individual serology results for each sample are listed in Table 15.

Cell 1565. The consensus type for this sample from a Hispanic donor is A*24:02(A24)-A*33:05(A33)-B*14:02(B65)-B*45:01(B45)-C*08:02(Cw8)-C*16:01. One likely association in this cell is A*24:02-B*45:01-C*16:01, with HF=0.00139, in Hispanics. The other likely association present is A*33:05-B*14:02-C*08:02, observed exclusively in Caucasians, with HF=0.00025.

This cell was previously typed as cells 1504 (2013) and 1357 (2009), as correctly identified by Class, Rees, and Tiercy. It was also studied as extracts 508 (2011) and 436 (2008). In this present retyping, A*33:05 was assigned by 88% of labs reporting at high resolution. A*24:02 (100%) was reported as the second A-locus type. A*24:02:01:01 was assigned by 2 labs (1 Gen-3 and 1 SBT). A24 (100%) and A33 (100%) were assigned by serology. B*14:02 (100%) and B*45:01 (100%) were the B-locus types, with 7 labs assigning B*14:02:01 and 6 labs assigning B*45:01:01. B65 and B45 were detected by 73% and 100%, respectively. C*08:02 and C*16:01 were each reported in complete consensus, with 7 labs assigning C*08:02:01 and 6 labs reporting C*16:01:01.

Cell 1566. The consensus type for this sample from a Filipino donor is A*11:01(A11)-A*24:02(A24)-B*40:10(B60)-B*48:01(B48)-C*04:03-C*08:01 (Cw8). The likely associations in this cell are A*24:02-B*48:01-C*08:01 and A*11:01-B*40:10-C*04:03, with respective frequencies of 0.00624 and 0.00001, in Asians. The rare A*11:01-B*40:10-C*04:03 association in this cell was observed in Ter1165 (same as cell 1165, 1092 and 991), a reference cell for B*40:10:01:01, also from a Filipino donor.

This cell was previously studied as cells 1535 (2014), 1425 (2011), 1282 (2006), 1225 (2005), 1159 (2003), and 1128 (2002), as correctly identified by Claas, Rees, and Tiercy. In this present retyping, B*40:10 was reported by 96%, with 7 labs assigning B*40:10:01. The detection of B60 in this cell continues to improve, increasing from 88% in 2014 to 96% in this present typing. B*48:01 (100%) was reported as the second B-locus type, with 6 labs assigning B*48:01:01. B48 (91%) was reported by serology. C*04:03 and C*08:01 were each reported in complete consensus, with 5 labs assigning C*04:03:01 and C*08:01:01. For the antigen encoded by C*04:03, Cw4 (23%), Cw0403 (5%), and Cw6 (5%) were assigned.

Cell 1567. The consensus type for this sample from a Korean donor is A*02:01(A2)-A*31:01(A31)-B*35:01(B35)-B*44:02(B44)-C*04:01(Cw4)-C*05:01(Cw5). The likely haplotypes in this cell are A*31:01-B*35:01-C*04:01 and A*02:01-B*44:02-C*05:01, with respective frequencies of 0.00217 and 0.00183, in Asians.

A*02:01, A*31:01, B*35:01, B*44:02, C*04:01, and C*05:01 were all assigned in complete consensus. A*02:01:01, A*31:01:02, and C*05:01:01 were each reported by 6 labs. B*35:01:01 was reported by 4 labs, B*44:02:01 by 3 labs, and C*04:01:01 by 5 labs. By serology, A2 (100%) and A31 (100%) were assigned as the A-locus types, while the B-locus types were assigned as B35 (95%) and B44 (100%). By no surprise, the assignment of Cw4 in this cell was higher than that of the variant encoded by C*04:03 in cell 1566, in which only 23% assigned Cw4 compared to 60% assigning Bw6 in cell 1567. Cw5 was reported by 55%.

Cell 1568. The consensus type for this sample from a Hispanic donor is A*01:01(A1)-A*30:02(A30)-B*15:04(B62)-B*57:03(B57)-C*01:02(Cw1)-C*18:02. One probable association in this cell is B*15:04-C*01:02, exclusively observed in Hispanics, with HF=0.00100. The other likely association is B*57:03-C*18:02, observed in previous exchange cells 1083 (2001) and 1144 (2002).

The sample has been typed a number of times in the exchange as cells 1542 (2015), 1431 (2011), 1318 (2007), and extract 429 (2008), as noted by Claas and Rees. In this present retyping, B*15:04 was reported by 100%. B*15:04:01 was reported by 5 labs. B*57:03 (100%) was reported as the second B-locus type, with 6 labs assigning B*57:03:01. B62 and B57 were reported by 85% and 100%, respectively. A*01:01 (100%) and A*30:02 (100%) were assigned as the A-locus types, with serology reporting A1 (100%) and A30 (100%). A*01:01:01 and A*30:02:01 were each reported by 6 labs. C*01:02 was assigned in complete consensus, while Cw1 (55%) was detected by serology. As with previous studies, no consensus was reached for the subtype of C*18, as C*18:02 (60%), C*18:01:01G (13%), C*18:01 (13%), C*18:01/02 (13%) were all assigned.

Table 9. Summary of the 392nd Cell Exchange (Cell #1565-1568)

DNA typing

Cell 1565	
26 low/16 high labs - A	%(n)
A*24:02:01:01	13(2)
A*24:02:01	6 (1)
A*24:02:01G	6 (1)
A*24:02	75(12)
A*24	100(26)
26 low/16 high labs - A	%(n)
A*33:05	88(14)
*A*33:01*	*6 (1)*
A*33:01/05	6 (1)
A*33	100(26)
26 low/19 high labs - B	%(n)
B*14:02:01	37(7)
B*14:02	63(12)
B*14(B65)	12(3)
B*14	88(23)
26 low/16 high labs - B	%(n)
B*45:01:01	38(6)
B*45:01	62(10)
B*45	100(26)
25 low/16 high Labs - C	%(n)
C*08:02:01:01	6 (1)
C*08:02:01	38(6)
C*08:02	56(9)
C*08	100(25)
25 low/16 high Labs - C	%(n)
C*16:01:01	38(6)
C*16:01	62(10)
C*16	100(25)

Cell 1566	
26 low/16 high labs - A	%(n)
A*11:01:01	25(4)
A*11:01	75(12)
A*11	100(26)
26 low/16 high labs - A	%(n)
A*24:02:01:01	13(2)
A*24:02:01	6 (1)
A*24:02:01G	6 (1)
A*24:02	75(12)
A*24	100(26)
26 low/22 high labs - B	%(n)
B*40:10:01	32(7)
B*40:10	64(14)
*B*40:01*	*4 (1)*
B*40(B60)	12(3)
B*40	88(23)
26 low/17 high labs - B	%(n)
B*48:01:01G	6 (1)
B*48:01:01	35(6)
B*48:01	59(10)
B*48	100(26)
25 low/17 high Labs - C	%(n)
C*04:03:01	29(5)
C*04:03	71(12)
C*04	100(25)
25 low/16 high Labs - C	%(n)
C*08:01:01	31(5)
C*08:01:01G	13(2)
C*08:01	56(9)
C*08	100(25)

Cell 1567	
24 low/15 high labs - A	%(n)
A*02:01:01:01	7 (1)
A*02:01:01	33(5)
A*02:01	60(9)
A*02	100(24)
24 low/15 high labs - A	%(n)
A*31:01:02	40(6)
A*31:01:02G	7 (1)
A*31:01	53(8)
A*31	100(24)
24 low/16 high labs - B	%(n)
B*35:01:01:02	6 (1)
B*35:01:01	19(3)
B*35:01:01G	12(2)
B*35:01	63(10)
B*35	100(24)
24 low/15 high labs - B	%(n)
B*44:02:01:01	7 (1)
B*44:02:01	13(2)
B*44:02:01G	13(2)
B*44:02	67(10)
B*44	100(24)
23 low/15 high Labs - C	%(n)
C*04:01:01:01	7 (1)
C*04:01:01	26(4)
C*04:01:01G	7 (1)
C*04:01P	7 (1)
C*04:01	53(8)
C*04	100(23)
23 low/15 high Labs - C	%(n)
C*05:01:01:01	7 (1)
C*05:01:01:02	7 (1)
C*05:01:01	26(4)
C*05:01	60(9)
C*05	100(23)

Cell 1568	
24 low/15 high labs - A	%(n)
A*01:01:01:01	20(3)
A*01:01:01	20(3)
A*01:01	60(9)
A*01	100(24)
24 low/15 high labs - A	%(n)
A*30:02:01	40(6)
A*30:02	60(9)
A*30	100(24)
24 low/20 high labs - B	%(n)
B*15:04:01	25(5)
B*15:04	75(15)
B*15	88(21)
B*15(B62)	12(3)
24 low/16 high labs - B	%(n)
B*57:03:01	38(6)
B*57:03	62(10)
B*57	100(24)
23 low/15 high Labs - C	%(n)
C*01:02:01	33(5)
C*01:02:01G	13(2)
C*01:02	53(8)
C*01	100(23)
23 low/15 high Labs - C	%(n)
C*18:01:01G	13(2)
C*18:02	60(9)
C*18:01	13(2)
C*18:01/02	13(2)
C*18	100(23)

Table 10. Summary of the 392nd Cell Exchange (Cell #1565-1568)

Serological typing

(Hispanic)	
Cell 1565	
(22 Samples Typed)	
A24	100.0%
	[100.0%]
A33	100.0%
	[100.0%]
B14	22.7%
B65	72.7%
B64	4.5%
	[100%]
B45	100.0%
	[100.0%]
Cw8	40.9%
Bw6	86.4%
Others Found	
Bw4	9.1%

(Filipino)	
Cell 1566	
(22 Samples Typed)	
A11	95.5%
A11.1	4.5%
	[100.0%]
A24	100.0%
	[100.0%]
B60	95.5%
B40	4.5%
	[100.0%]
B48	90.9%
Cw4	22.7%
Cw0403	4.5%
Cw6	4.5%
	[31.7%]
Cw8	31.8%
Bw6	86.4%
Others Found	
B61	4.5%
B45	4.5%
Cw7	4.5%
Bw4	4.5%
B70	4.5%

(Korean)	
Cell 1567	
(20 Samples Typed)	
A2	100.0%
	[100.0%]
A31	100.0%
	[100.0%]
B35	95.0%
B44	100.0%
	[100.0%]
Cw4	60.0%
	[60.0%]
Cw5	55.0%
	[55.0%]
Bw4	85.0%
Bw6	85.0%
Others Found	
B50	5.0%
Bw49	5.0%

(Hispanic)	
Cell 1568	
(20 Samples Typed)	
A1	100.0%
A30	100.0%
	[100.0%]
B57	100.0%
	[100.0%]
B62	85.0%
B15	15.0%
	[100.0%]
Cw1	55.0%
Bw4	85.0%
Bw6	85.0%
Others Found	
Cw18	5.0%
Cw6	5.0%
B70	5.0%

Table 11. Individual laboratory results for Cell #1565															
		Low Resolution						Intermediate/High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*24	*33	*14	*45	*08	*16	*24:02:01	*33:05	*14:02:01	*45:01:01	*08:02:01	*16:01:01	SSO SBT NGS	
4492	Caillat-Zucman , Sc	*24	*33	*14	*45	*08	*16							SSP	
774	Cecka , J. Michael	*24	*33	*14	*45	*08	*16							SSP SSO	
8070	Chang , Uckjin							*24:02:01:01	*33:05	*14:02:01	*45:01	*08:02:01	*16:01:01	SBT	
798	Claas , F.H.J.							*24:02	*33:05	*14:02:01	*45:01:01	*08:02:01	*16:01:01	SBT	
3632	Colombe , Beth W.	*24	*33	*14	*45	*08	*16	*24:02	*33:01/05	*14:02	*45:01	*08:02	*16:01	SSP SSO	
779	Daniel , Claude	*24	*33	*14	*45	*08	*16			*14:02				SSO	
3766	Dunckley , Heather	*24	*33	*14	*45	*08	*16							SSO	
5214	Eckels/CPMC ,	*24	*33	*14(B65)	*45	*08	*16							SSO	
762	Fischer , Gottfried							*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	NGS	
4079	Fort , Marylise	*24	*33	*14	*45	*08	*16							SSP	
3545	Goldstein , Steven	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSP SSO SBT	
810	Hamdi , Nuha							*24:02	*33:01	*14:02	*45:01	*08:02	*16:01	SSO	
8043	Hod , Reut	*24	*33	*14	*45	*08	*16							SSP SSO	
771	Israel , Shoshana	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSP SSO	
725	Lardy , N.M.	*24	*33	*14	*45	*08	*16							SSP SSO	
745	Latham , Katy							*24:02:01:01	*33:05	*14:02:01	*45:01:01	*08:02:01:01	*16:01:01	SSP SBT Gen-3	
278	Lee , Jar-How	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01		
6649	Lim , Young Ae	*24	*33	*14	*45									SSP	
731	Loewenthal , Ron	*24	*33	*14	*45	*08	*16	*24:02:01G	*33:05	*14:02:01	*45:01:01	*08:02:01	*16:01:01	SSP SSO SBT	
54	Pancoska , Carol	*24	*33	*14(B65)	*45	*08	*16								
8001	Rao , Prakash	*24	*33	*14(B65)	*45	*08	*16								
3625	Rees , Tracey	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01		C*08:52N
1160	Rosen-Bronson , Sa	*24	*33	*14	*45	*08	*16			*14:02				SSO	
793	Rubocki , Ronald	*24	*33	*14	*45	*08	*16							SSP	
4251	Schiller , Jennifer	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02	*45:01	*08:02	*16:01	SSO SBT	
3808	Thornton , Alycia	*24	*33	*14	*45	*08	*16			*14:02				SSP SBT	
747	Tiercy , Jean-Marie	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02:01	*45:01:01	*08:02:01	*16:01	SSP SSO SBT	
3186	Watson , Narelle	*24	*33	*14	*45	*08	*16							SSO SBT	B*14:02/*14:09
16	Zhang , Aiwen	*24	*33	*14	*45	*08	*16	*24:02	*33:05	*14:02:01	*45:01:01	*08:02:01	*16:01:01	SSO SBT	C*08:33:03, C*16:27

Table 12. Individual laboratory results for Cell #1566

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01	SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*11	*24	*40	*48	*04	*08	*11:01:01	*24:02:01	*40:10:01	*48:01:01	*04:03:01	*08:01:01	SSO SBT NGS	
4492	Caillat-Zucman , Sc	*11	*24	*40	*48	*04	*08							SSP	
774	Cecka , J. Michael	*11	*24	*40	*48	*04	*08			*40:10		*04:03		SSP SSO	C*04:107
8070	Chang , Uckjin							*11:01:01	*24:02:01:01	*40:10:01	*48:01:01	*04:03	*08:01:01	SBT	
798	Claas , F.H.J.							*11:01	*24:02	*40:10:01	*48:01:01	*04:03:01	*08:01:01	SBT	
3632	Colombe , Beth W.	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01	SSP SSO	
779	Daniel , Claude	*11	*24	*40	*48	*04	*08			*40:10				SSO	
3766	Dunckley , Heather	*11	*24	*40	*48	*04	*08							SSO	
5214	Eckels/CPMC ,	*11	*24	*40 (B60)	*48	*04	*08							SSO	
762	Fischer , Gottfried							*11:01	*24:02	*40:10	*48:01	*04:03	*08:01	NGS	
4079	Fort , Marylise	*11	*24	*40	*48	*04	*08							SSP	
3545	Goldstein , Steven	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01	SSP SSO SBT	C*08:22/*08:99/*08:102
810	Hamdi , Nuha							*11:01	*24:02	*40:01	*48:01	*04:03	*08:01	SSO	
8043	Hod , Reut	*11	*24	*40	*48	*04	*08							SSP SSO	
771	Israel , Shoshana	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01	SSP SSO	
725	Lardy , N.M.	*11	*24	*40	*48	*04	*08							SSP SSO	
745	Latham , Katy							*11:01:01	*24:02:01:01	*40:10:01	*48:01:01	*04:03:01	*08:01:01	SSP SBT Gen-3	
278	Lee , Jar-How	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01		
6649	Lim , Young Ae	*11	*24	*40	*48									SSP	
731	Loewenthal , Ron	*11	*24	*40	*48	*04	*08	*11:01:01	*24:02:01G	*40:10:01	*48:01:01	*04:03:01	*08:01:01G	SSP SSO SBT	
54	Pancoska , Carol	*11	*24	*40 (B60)	*48	*04	*08			*40:10					
8001	Rao , Prakash	*11	*24	*40 (B60)	*48	*04	*08								
3625	Rees , Tracey	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01		
1160	Rosen-Bronson , Sa	*11	*24	*40	*48	*04	*08			*40:10				SSO	
793	Rubocki , Ronald	*11	*24	*40	*48	*04	*08							SSP	
4251	Schiller , Jennifer	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01:01G	SSO SBT	
3808	Thornton , Alycia	*11	*24	*40	*48	*04	*08			*40:10				SSP SBT	
747	Tiercy , Jean-Marie	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10	*48:01	*04:03	*08:01	SSP SSO SBT	
3186	Watson , Narelle	*11	*24	*40	*48	*04	*08			*40:10:01	*48:01:01G			SSO SBT	
16	Zhang , Aiwen	*11	*24	*40	*48	*04	*08	*11:01	*24:02	*40:10:01	*48:01:01	*04:03:01	*08:01:01	SSO SBT	A*11:12/*11:19/*11:27/*11:88/*11:117/*11:119:01, A*24:07:01/*24:10:01/*24:21:01/*24:50/*24:235/*24:260

Table 13. Individual laboratory results for Cell #1567

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*02	*31	*35	*44	*04	*05	*02:01	*31:01	*35:01	*44:02	*04:01	*05:01	SSP SSO SBT RT-PCR	B*44:02S
5133	Askar , Medhat	*02	*31	*35	*44	*04	*05	*02:01:01	*31:01:02	*35:01:01	*44:02:01	*04:01:01	*05:01:01	SSO SBT NGS	
4492	Caillat-Zucman , So	*02	*31	*35	*44	*04	*05							SSP	
774	Cecka , J. Michael	*02	*31	*35	*44	*04	*05			*35:01				SSP SSO	B*35:126/*35:159/*35:196/*35:253
8070	Chang , Uckjin							*02:01:01	*31:01:02	*35:01:01	*44:02:01	*04:01:01	*05:01:01:01	SBT	
798	Claas , F.H.J.							*02:01:01	*31:01:02	*35:01:01	*44:02	*04:01:01	*05:01:01	SBT	
3632	Colombe , Beth W.	*02	*31	*35	*44	*04	*05	*02:01	*31:01	*35:01	*44:02	*04:01	*05:01	SSP SSO	
779	Daniel , Claude	*02	*31	*35	*44	*04	*05							SSO	
3766	Dunckley , Heather	*02	*31	*35	*44	*04	*05							SSO	
5214	Eckels/CPMC ,	*02	*31	*35	*44	*04	*05							SSO	
762	Fischer , Gottfried							*02:01	*31:01	*35:01	*44:02	*04:01	*05:01	SBT	A*02:01L, A*31:01:02:03N, B*44:19N/ *44:02:01:02S, C*04:09N/*04:30/*04:82
4079	Fort , Marylise	NT						NT							
3545	Goldstein , Steven	*02	*31	*35	*44	*04	*05	*02:01	*31:01	*35:01	*44:02	*04:01	*05:01	SSP SSO SBT	B*35:42, B*44:19N/*44:173, C*04:30/*04:82
810	Hamdi , Nuha							*02:01	*31:01	*35:01	*44:02	*04:01	*05:01	SSO	
8043	Hod , Reut	*02	*31	*35	*44	*04	*05							SSP SSO	
771	Israel , Shoshana	*02	*31	*35	*44	*04	*05	*02:01	*31:01	*35:01	*44:02	*04:01	*05:01	SSP SSO	
745	Latham , Katy							*02:01:01:01	*31:01:02	*35:01:01:02	*44:02:01:01	*04:01:01:01	*05:01:01:02	SSP SBT Gen-3	
725	Lardy , N.M.	*02	*31	*35	*44	*04	*05							SSP SSO	
278	Lee , Jar-How	*02	*31	*35	*44	*04	*05	*02:01	*31:01	*35:01	*44:02	*04:01	*05:01		
6649	Lim , Young Ae	*02	*31	*35	*44									SSP	
731	Loewenthal , Ron	*02	*31	*35	*44	*04	*05	*02:01:01	*31:01:02	*35:01:01G	*44:02:01G	*04:01:01G	*05:01:01	SSP SSO SBT	
54	Pancoska , Carol	*02	*31	*35	*44	*04	*05								
8001	Rao , Prakash	*02	*31	*35	*44	*04	*05								
3625	Rees , Tracey	*02	*31	*35	*44	*04	*05	*02:01	*31:01	*35:01	*44:02	*04:01	*05:01		
1160	Rosen-Bronson , Sa	*02	*31	*35	*44	*04	*05							SSO	
793	Rubocki , Ronald	*02	*31	*35	*44	*04	*05							SSP	
4251	Schiller , Jennifer	*02	*31	*35	*44	*04	*05	*02:01	*31:01:02G	*35:01:01G	*44:02:01G	*04:01P	*05:01	SSO SBT	
3808	Thornton , Alycia	*02	*31	*35	*44	*04	*05							SSP SBT	
747	Tiercy , Jean-Marie	NT												SSP SSO SBT	
3186	Watson , Narelle	*02	*31	*35	*44	*04	*05							SSO SBT	
16	Zhang , Aiwen	*02	*31	*35	*44	*04	*05	*02:01:01	*31:01:02	*35:01	*44:02	*04:01:01	*05:01:01	SSO SBT	A*02:24:02/*02:243:01, A*31:21/*31:68 , B*35:71/*35:90/*35:115+, B*44:03:01/*44:19N/*44:34:02+, C*04:10/*04:15:02/ *04:120+, C*05:09:01/*05:29:01/*05:46+

Table 14. Individual laboratory results for Cell #1568

		Low Resolution						Intermediate/High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:02	SSP SSO SBT RT-PCR	
5133	Askar , Medhat	*01	*30	*15	*57	*01	*18	*01:01:01	*30:02:01	*15:04:01	*57:03:01	*01:02:01	*18:02	SSO SBT NGS	
4492	Caillat-Zucman , Sc	*01	*30	*15	*57	*01	*18							SSP	
774	Cecka , J. Michael	*01	*30	*15	*57	*01	*18			*15:04	*57:03			SSP SSO	B*57:70
8070	Chang , Uckjin							*01:01:01	*30:02:01	*15:04	*57:03:01	*01:02:01	*18:01	SBT	
798	Claas , F.H.J.							*01:01:01:01	*30:02:01	*15:04:01	*57:03:01	*01:02:01	*18:02	SBT	
3632	Colombe , Beth W.	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:02	SSP SSO	
779	Daniel , Claude	*01	*30	*15	*57	*01	*18			*15:04				SSO	
3766	Dunckley , Heather	*01	*30	*15	*57	*01	*18							SSO	
5214	Eckels/CPMC ,	*01	*30	*15(B62)	*57	*01	*18							SSO	
4079	Fort , Marylise													SSP	
762	Fischer , Gottfried							*01:01	*30:02	*15:04	*57:03	*01:02	*18:01/02	SBT	C*01:85
3545	Goldstein , Steven	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:01/02	SSP SSO SBT	C*01:85
810	Hamdi , Nuha							*01:01	*30:02	*15:04	*57:03	*01:02	*18:01	SSO	
8043	Hod , Reut	*01	*30	*15	*57	*01	*18							SSP SSO	
771	Israel , Shoshana	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:02	SSP SSO	
725	Lardy , N.M.	*01	*30	*15	*57	*01	*18							SSP SSO	
745	Latham , Katy							*01:01:01:01	*30:02:01	*15:04:01	*57:03:01	*01:02:01	*18:02	SSP SBT Gen-3	
278	Lee , Jar-How	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:02		
6649	Lim , Young Ae	*01	*30	*15	*57									SSP	
731	Loewenthal , Ron	*01	*30	*15	*57	*01	*18	*01:01:01	*30:02:01	*15:04:01	*57:03:01	*01:02:01G	*18:01:01G	SSP SSO SBT	
54	Pancoska , Carol	*01	*30	*15(B62)	*57	*01	*18			*15:04					
8001	Rao , Prakash	*01	*30	*15(B62)	*57	*01	*18								
3625	Rees , Tracey	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:02		
1160	Rosen-Bronson , Sa	*01	*30	*15	*57	*01	*18			*15:04				SSO	
793	Rubocki , Ronald	*01	*30	*15	*57	*01	*18							SSP	
4251	Schiller , Jennifer	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02:01G	*18:01:01G	SSO SBT	
3808	Thornton , Alycia	*01	*30	*15	*57	*01	*18			*15:04				SSP SBT	
747	Tiercy , Jean-Marie	NT												SSP SSO SBT	
3186	Watson , Narelle	*01	*30	*15	*57	*01	*18							SSO SBT	B*15:04
16	Zhang , Aiwen	*01	*30	*15	*57	*01	*18	*01:01:01:01	*30:02:01	*15:04:01	*57:03:01	*01:02:01	*18:02	SSO SBT	

Table 15. Individual laboratory results for Cell #1565-1568 by serology

		Cell No 1565 (Hispanic)								Cell No 1566 (Filipino)									Cell No 1567 (Korean)									Cell No 1568 (Hispanic)								
Investigator	Days Old	Viab %	A24	A33	B65	B45	Cw8	Bw6	OTHERS	Viab %	A11	A24	B60	B48	Cw4	Cw8	Bw6	OTHERS	Viab %	A2	A31	B35	B44	Cw4	Cw5	Bw4	Bw6	OTHERS	Viab %	A1	A30	B57	B62	Cw1	Bw4	Bw6	OTHERS
Cecka, J. Mic	7	>95	+	+	+	+		+		>95	+	+	+	+			+		>95	+	+	+	+			+	+		>95	+	+	+	+		+	+	
Claas, F.H.J.	6	90	+	+	B14	+		+		90	+	+	+		C403		+		90	+	+	+	+	+		+	+		90	+	+	+	+	+	+	+	
Dunckley, Hea		95	+	+	+	+				95	+	+	+	+					95	+	+	+	+						95	+	+	+	+				
Enczmann, J		95	+	+	+	+				95	+	+	+	+					95	+	+	+	+						95	+	+	+	+				
Esteves Kondo	2	98	+	+	+	+	+	+		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	
Fort, Marylis	3	94	+	+	B14	+		+		99	+	+	B40	+			+																				
Hahn, Amy B.	2	99	+	+	B14	+		+		99	+	+	+	+	Cw6		+	B61+	99	+	+	+	+	+	+	+	+		99	+	+	+	+	+	+	+	Cw6+
Kvam, Vonnett	3	97	+	+	+	+	+	+		97	+	+	+	+			+	Cw7	97	+	+	+	+	+	+	+	+		97	+	+	+	+	+	+	+	Cw18
Latham, Katy	3	90	+	+	+	+		+		90	+	+	+	+			+		95	+	+	+	+			+	+		90	+	+	+	+		+	+	
Loewenthal ,		70	+	+	+	+	+	+		80	+	+	+	+		+	+		70	+	+	+	+	+	+	+	+		70	+	+	+	+	+	+	+	
Pancoska, Car	2	98	+	+	+	+		+		97	+	+	+	+			+		98	+	+	+	+			+	+		98	+	+	+	B15		+	+	
Permpikul, Ve	7	90	+	+	B14	+		+		90	A11.1	+	+	+			+		90	+	+	+	+			+	+		90	+	+	+	+		+	+	
Pule, Ziningi		75	+	+	B64	+		+	Bw4	75	+	+	+	B45	+	+	+	Bw4	80	+	+		+	+	+	+	+	B50	80	+	+	+	+		+	+	
Rees, Tracey	6	90	+	+	+	+	+	+		80	+	+	+	+	+	+	+		40	+	+	+	+	+	+	+	+		50	+	+	+	+	+	+	+	
Renac, Virgin	3	100	+	+	+	+		+		100	+	+	+	+			+		100	+	+	+	+			+	+		100	+	+	+	B15		+	+	
Rosen-Bronson		90	+	+	+	+	+	+		90	+	+	+	+		+	+		90	+	+	+	+	+	+	+	+		90	+	+	+	+	+	+	+	
Rubocki, Rona	2	98	+	+	+	+	+	+		98	+	+	+	+	+		+		98	+	+	+	+	+	+	+	+		98	+	+	+	+	+	+	+	
Shai, Isaac	8	80	+	+	+	+	+	+		88	+	+	+	+	+	+	+		84	+	+	+	+	+	+	+	+	B49	80	+	+	+	B15	+	+	+	
Thornton, Aly		60	+	+	+	+	+	+		60	+	+	+	+			+		60	+	+	+	+			+	+		50	+	+	+	+		+	+	
Tiercy, Jean-	6	70	+	+	B14	+		+		60	+	+	+	+			+		NT										NT								
Vidan-Jeras,	6	100	+	+	+	+		+	Bw4	100	+	+	+	+			+		100	+	+	+	+	+	+	+	+		100	+	+	+	+	+	+	+	
Watson, Narel	14	0								0									0										0								
Zhang, Aiwen	2	95	+	+	+	+	+			95	+	+	+	+		+			95	+	+	+	+	+	+				95	+	+	+	+	+			

SERUM EXCHANGE #550

The results for **Serum Exchange 550** (**sera 1193 - 1196**), are summarized in Tables 16 - 21 and individual laboratory results by method are listed in Tables 22 - 31. Sera positive to B12 (B44, B45) and B5 (B51, B52) were examined in this exchange.

1193	method	#labs	NEG	B45	B44	Bw6	B56	B7	B8	B50	B18	B35	B41	B42	B54	B55	B67	B60	B61	B48	B71	B72	B62	B75	B64	B65	B39	B78	B7801	B81	B27	A31	A33	B76	B82	B52	B49	B2708	Bw6	B8101	B73	Cw1
class I	NIH-Std	6	67	17	17																																					
	NIH-Ext	2		100																																						
	AHG	2		50	50	50																																				
	Luminex	28		93	96		96	96	96	96	93	93	93	93	93	93	93	89	86	86	86	86	86	86	79	79	75	75	21	76	54	7	10	86	79	76	65	50	32	29	21	21
	Flow	1	no antigens assigned																																							
	ELISA	2		50	100	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50		50	50	100	50									
	C1q	1	no consensus																																							
	Other	2		50	50	50																																				

1193	method	#labs	NEG
class II	Luminex	13	100
	Flow	1	no consensus
	C1q	1	no antigens assigned
	Other	2	50

Serum 1193 was reported as strongly positive to B45 by all methods, except NIH-standard. Only 1 of 4 NIH-standard labs reported anti-B45 reactivity, the remaining 3 reported this sample as negative for class I. Anti-B44 reactivity was reported by Antiglobulin, PRA, Luminex, ELISA, and 1 NIH-standard lab. In addition, Luminex and Antiglobulin reported reactivity to a number of 5C and 7C specificities, along with anti-B39, -B64, -B65, and -B78 reactivity. This serum was reported as negative for class II.

1194	method	#labs	B45	B44	B49	B50	B60	B61	B13	B47	B52	B51	B62	B57	B7	B82	B41	B53	B38	B37	A23	A1	A3	A24	B35	B72	B59	B75	B71	B18	B46	B78	B48	B58	B63	B8	B42	B76	B77	B39	B56	B64
class I	NIH-Std	6	33	67	17	17									17																											
	NIH-Ext	2	100	100	50	50																																				
	AHG	2	100	100	50	50	50	50			50	50	50	50	50							50	50															50					
	Luminex	29	97	97	97	100	90	86	100	97	90	86	86	79	3	83	100	93	93	90	90	93	3	69	90	86	83	83	79	79	76	76	69	59	52	34		83	83	41	31	31
	Flow	1																																								
	ELISA	2	100	100	100	100	100	100	100	100	50	50	100	50			100	100	50	100	50			50	100	100	100	100	50	100	50	100	50	50	100	50						
	C1q	1	no cosensus																																							
	Other	2	50	50	50	50	50	50	50	50						50																										

1194	method	#labs	DR4	DQ7	DQ8	DQ9	DR51	DR53	DR15	DR16	DQ4	DQ3
class II	Luminex	24	100	88	88	83	67	58	17	17	17	4
	Flow	1	no consensus									
	C1q	1	no antigens assigned									
	Other	2	50	50	50	50						

For **Serum 1194,** strong B12 (B44, B45) reactivity was reported by all methods. Reactivity to B49 and B50 was also reported by all methods, except C1q. In addition, Luminex and ELISA reported reactivity to a number of 5C and 7C specificities. For class II, anti-DR4 and -DQ3 (DQ7, DQ8, DQ9) reactivity was reported by Luminex and PRA. A number of Luminex labs (n=5) also reported allele level reactivity to DQA1*03.

1195	method	#labs	B51	B52	B8	B39	A30	A31	A33	A68	A29	A32	A34	B18	B35	B53	B59	B55	B7	B38	B42	B49	B78	B61	B37	B41	B67	A3	A74	A36	A69	B54	B13	B63		
class I	NIH-Std	5	60	40														20	20																	
	NIH-Ext	2	100	100																																
	AHG	2	100	100	50	50													50	50	50	50	50	50				50								
	Luminex	28	96	93	100	85	100	100	100	100	96	96	96	96	96	96	96	96	32	96	96	93	71	57	96	96	96		96	93	89	93	86	86		
	Flow	1	no antigens assigned																																	
	ELISA	2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		100	100	50	100	50	100	100	50	100	100	50	50	100	50	100		
	C1q	1	no consensus																																	
	Other	2	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50																			
1195	method	#labs	B64	B65	B57	B58	B45	B44	A1	B50	B60	Cw12	Cw14	Cw8	Cw1	Cw16	Cw18	Cw6	Cw15	Cw4	Cw7	Cw5	B75	B77	B82	A24	B76	B71	B56	A66	A2403	A25	B7801	A6602	B3901	B81	
	AHG	2							50	50	50																									
	Luminex	28	86	86	86	79	46	43	3			96	96	96	96	93	93	93	89	89	89	86	86	86	64	64	57	54	50	43	39	32	29	25	21	21
	ELISA	2	100	100	50	50	50	50																												

1195	method	#labs	NEG	DR10	DR18	DQ9	DQ2
class II	Luminex	16	81	25	25	6	6
	Flow	1	no consensus				
	C1q	1	no antigens assigned				
	Other	2	50				

Serum 1195 was strongly positive to B51 and B52 by all methods. B8 and B39 reactivity was reported by various methods. Additional reactivity to a number of 1C, 5C, and 10C specificities was reported by Luminex, ELISA, and PRA. C-locus reactivity was also reported by Luminex. For class II, a number of Luminex labs (n=12), 1 PRA, and 1 Flow lab reported this sample as negative for class II. However, a few (n=4) Luminex labs detected weak anti-DR10 and -DR18 reactivity.

1196	method	#labs	B35	B51	B52	B53	B75	B49	B50	B78	A23	A24	A2403	A25	A26	A32	A80	B27	B2708	B46	B56	B57	B18	B37	B38	B45	B44	B54	B55	B58	B59	A68	A29	B62	B63	B71	B72	B13	B47	B48	B8	B65
class I	NIH-Std	5	60	40	40	20	20											20																								
	NIH-Ext	2	100	100	50	100	50																																				
	AHG	2	100	100	100	100		50	50	50	50	50		50	50	50	50			50	50																						
	Luminex	28	100	96	96	96	89	96	96	79	100	100	39	96	89	96	89	96	29	86	96	96	96	96	96	96	93	96	96	96	96	96	89	89	89	89	86	79	79	79	64	
	Flow	1	no antigens assigned																																							
	ELISA	2	100	100	100	100	100	100	100	100	100	100		100	50	100	50	100		100	100	100	100	100	100	100	100	100	100	100	100	50	50	100	100	100	100	100	50	100	50	50
	C1q	1	no consensus																																							
	Other	2	50	50		50	50	50	50	50													50							50				50								
1196	method	#labs	A30	A34	A66	A6601	A6602	A3	A11	A1101	A1102	A36	B61	B60	B41	B7	A33	A31	A74	A43	B77	B76	B39	B67	B64	Cw1	Cw5	Cw12	Cw18	Cw15	Cw8	Cw14	Cw16	Cw6	Cw7	B82	Cw4	Cw2	B42	B7801	Bw4		
	NIH-Std	5														20																										
	AHG	2				50		50	50			50	50	50	50																												
	Luminex	28	64	86	64	39	25	71	61	25	25	50	29				93	75	50	64	89	86	79	75	64	57	47	47	47	42	42	39	39	39	35	32	32	29	25	25	25	
	ELISA	2	50	50	50																																						
	Other	2																			50																						

For **Serum 1196**, anti-B35 and –B51 reactivity was reported by all methods. Additional strong reactivity to B51, B52, and B53 was reported by various methods. Reactivity to a number of other 5C specificities, along with reactivity to 1C, 7C, and 10C specificities was also detected by various methods. In addition, Luminex reported reactivity to a number of C-locus antigens. Anti-DR15 and -DR16 reactivity was reported by Luminex and PRA. Strong reactivity to DR9, DR1, DR103, and DR51 was also reported by Luminex. In addition, a number of Luminex labs (n=5) reported allele level reactivity to DRB1*14:02, DRB1*04:01/ *04:04/*04:05 and DQB1*06:02/*06:03.

1196	method	#labs	DR15	DR16	DR9	DR1	DR103	DR51	DR4	DQ6	DQ5	DR14
class II	Luminex	22	100	100	100	100	91	91	73	73	41	41
	Flow	1	no consensus									
	C1q	1	no antigens assigned									
	Other	2	50	50								

Table 16. Summary of the 550th Serum Exchange (Serum #1193-1196) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard

*** Serum 1193 ***		
6 typing Labs		
Antigen	Consensus	Inclusion
NEG	67%	100%
B44	17%	100%
B45	17%	100%

*** Serum 1194 ***		
6 typing Labs		
Antigen	Consensus	Inclusion
B44	67%	100%
B45	33%	100%
B49	17%	100%
B50	17%	100%
B7	17%	100%

*** Serum 1195 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
B51	60%	86%
B52	40%	100%
B55	20%	100%
B7	20%	100%

*** Serum 1196 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
B35	60%	87%
B51	40%	100%
B52	40%	100%
B53	20%	100%
B75	20%	100%
B7	20%	78%
B27	20%	33%

Method: NIH-Extended

*** Serum 1193 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B45	100%	100%

*** Serum 1194 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B44	100%	100%
B45	100%	100%
B49	50%	50%
B50	50%	50%

*** Serum 1195 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B51	100%	100%
B52	50%	100%

*** Serum 1196 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B53	100%	100%
B52	50%	100%
B75	50%	100%

Table 17. Summary of the 550th Serum Exchange (Serum #1193-1196) byAntiglobulin and C1q - class I

Method: Antiglobulin

*** Serum 1193 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B44	50%	100%
B45	50%	100%
BW6	50%	72%

*** Serum 1194 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B44	100%	100%
B45	100%	100%
B42	50%	100%
B49	50%	100%
B50	50%	100%
B57	50%	100%
B60	50%	100%
B61	50%	100%
B62	50%	100%
B7	50%	100%
A1	50%	91%
B51	50%	89%
A3	50%	88%
B52	50%	50%

*** Serum 1195 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B51	100%	100%
B52	100%	100%
A1	50%	100%
A3	50%	100%
B38	50%	100%
B39	50%	100%
B42	50%	100%
B49	50%	100%
B50	50%	100%
B61	50%	100%
B7	50%	100%
B78	50%	100%
B8	50%	75%
B60	50%	50%

*** Serum 1196 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B35	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
A1	50%	100%
A23	50%	100%
A24	50%	100%
A25	50%	100%
A36	50%	100%
A80	50%	100%
B41	50%	100%
B46	50%	100%
B60	50%	100%
B61	50%	100%
B78	50%	100%
A3	50%	88%
A11	50%	82%
B49	50%	75%
B50	50%	75%
A32	50%	67%
B56	50%	50%
A26	50%	33%
A6601	50%	0%

Method: C1q

*** Serum 1193 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1194 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1195 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1196 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

Table 18. Summary of the 550th Serum Exchange (Serum #1193-1196) by Other- class I

Method: Other

*** Serum 1193 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B44	50%	100%
B45	50%	100%
BW6	50%	100%

*** Serum 1194 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B13	50%	100%
B41	50%	100%
B44	50%	100%
B45	50%	100%
B47	50%	100%
B49	50%	100%
B50	50%	100%
B60	50%	100%
B61	50%	100%
B82	50%	100%

*** Serum 1195 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A29	50%	100%
A30	50%	100%
A31	50%	100%
A32	50%	100%
A33	50%	100%
A34	50%	100%
A68	50%	100%
B18	50%	100%
B35	50%	100%
B39	50%	100%
B51	50%	100%
B52	50%	100%
B53	50%	100%
B59	50%	100%
B8	50%	100%

*** Serum 1196 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B18	50%	100%
B35	50%	100%
B49	50%	100%
B50	50%	100%
B51	50%	100%
B53	50%	100%
B58	50%	100%
B62	50%	100%
B75	50%	100%
B77	50%	100%
B78	50%	100%

Table 19. Summary of the 550th Serum Exchange (Serum #1193-1196) by Luminex- class I

Method: Luminex												
*** Serum 1193 ***			*** Serum 1194 ***			*** Serum 1195 ***			*** Serum 1196 ***		
28 typing Labs			29 typing Labs			28 typing Labs			28 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B44	96%	100%	B13	100%	100%	A3	100%	100%	A23	100%	100%
B50	96%	100%	B41	100%	100%	A30	100%	100%	A24	100%	100%
B56	96%	100%	B50	100%	100%	A31	100%	100%	B35	100%	100%
B7	96%	100%	B44	97%	100%	A33	100%	100%	A25	96%	100%
B8	96%	100%	B45	97%	100%	A68	100%	100%	A32	96%	100%
B18	93%	100%	B47	97%	100%	B8	100%	100%	B18	96%	100%
B35	93%	100%	B49	97%	100%	A29	96%	100%	B37	96%	100%
B41	93%	100%	A1	93%	86%	A32	96%	100%	B38	96%	100%
B42	93%	100%	B53	93%	86%	A34	96%	100%	B45	96%	100%
B45	93%	100%	B38	93%	71%	A74	96%	100%	B49	96%	100%
B54	93%	100%	B37	90%	100%	B18	96%	100%	B50	96%	100%
B55	93%	100%	B52	90%	100%	B35	96%	100%	B51	96%	100%
B67	93%	100%	B60	90%	100%	B37	96%	100%	B52	96%	100%
B60	89%	100%	A23	90%	88%	B38	96%	100%	B53	96%	100%
B48	86%	100%	B35	90%	75%	B41	96%	100%	B54	96%	100%
B61	86%	100%	B51	86%	100%	B42	96%	100%	B55	96%	100%
B62	86%	100%	B61	86%	100%	B51	96%	100%	B56	96%	100%
B71	86%	100%	B72	86%	100%	B53	96%	100%	B57	96%	100%
B72	86%	100%	B62	86%	86%	B55	96%	100%	B58	96%	100%
B75	86%	100%	B76	83%	100%	B59	96%	100%	B59	96%	100%
B76	86%	100%	B77	83%	100%	B67	96%	100%	A68	96%	85%
B64	79%	100%	B82	83%	100%	CW12	96%	100%	B27	96%	64%
B82	79%	100%	B59	83%	83%	CW14	96%	100%	A33	93%	100%
B65	79%	67%	B75	83%	80%	CW8	96%	100%	B44	93%	100%
B39	75%	100%	B71	79%	83%	CW1	96%	93%	A26	89%	100%
B78	75%	100%	B57	79%	62%	A36	93%	100%	A29	89%	100%
B81	76%	100%	B18	79%	50%	B49	93%	100%	A80	89%	100%
B52	76%	80%	B46	76%	100%	B52	93%	100%	B62	89%	100%
B49	64%	100%	B78	76%	100%	B54	93%	100%	B63	89%	100%
B27	54%	56%	B48	69%	67%	CW16	93%	100%	B71	89%	100%
B2708	50%	100%	A24	69%	50%	CW18	93%	100%	B72	89%	100%
BW6	32%	93%	B58	59%	100%	CW6	93%	85%	B75	89%	100%
B8101	29%	100%	B63	52%	100%	A69	89%	100%	B77	89%	100%
B73	21%	100%	B39	41%	100%	CW15	89%	100%	B76	86%	100%
B7801	21%	100%	B8	34%	100%	CW4	89%	100%	B46	86%	80%
CW1	21%	100%	B56	31%	100%	CW7	89%	100%	A34	86%	75%
			B64	31%	100%	B63	86%	100%	B13	86%	73%

Table 20. Summary of the 550th Serum Exchange (Serum #1193-1196) by Flow Cytometry and ELISA- class I

Method: Flow Cytometry

*** Serum 1193 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1194 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1195 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1196 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

Method: ELISA

*** Serum 1193 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B44	100%	100%
A31	100%	75%
A33	50%	100%
B18	50%	100%
B35	50%	100%
B39	50%	100%
B41	50%	100%
B42	50%	100%
B45	50%	100%
B48	50%	100%
B50	50%	100%
B54	50%	100%
B55	50%	100%
B56	50%	100%
B60	50%	100%
B61	50%	100%
B62	50%	100%
B64	50%	100%
B65	50%	100%
B67	50%	100%
B7	50%	100%
B71	50%	100%
B72	50%	100%
B75	50%	100%
B78	50%	100%
B8	50%	100%
B81	50%	100%

*** Serum 1194 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B13	100%	100%
B35	100%	100%
B37	100%	100%
B41	100%	100%
B44	100%	100%
B45	100%	100%
B47	100%	100%
B49	100%	100%
B50	100%	100%
B53	100%	100%
B59	100%	100%
B60	100%	100%
B61	100%	100%
B62	100%	100%
B63	100%	100%
B72	100%	100%
B75	100%	100%
B78	100%	100%
B18	100%	75%
A23	50%	100%
B38	50%	100%
B46	50%	100%
B48	50%	100%
B51	50%	100%
B52	50%	100%
B57	50%	100%
B58	50%	100%

*** Serum 1195 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A29	100%	100%
A3	100%	100%
A30	100%	100%
A31	100%	100%
A32	100%	100%
A34	100%	100%
A68	100%	100%
A74	100%	100%
B18	100%	100%
B35	100%	100%
B37	100%	100%
B38	100%	100%
B39	100%	100%
B41	100%	100%
B42	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B54	100%	100%
B55	100%	100%
B59	100%	100%
B63	100%	100%
B64	100%	100%
B65	100%	100%
B78	100%	100%
B8	100%	100%
A33	100%	75%

*** Serum 1196 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A23	100%	100%
A24	100%	100%
A25	100%	100%
A32	100%	100%
B13	100%	100%
B18	100%	100%
B35	100%	100%
B37	100%	100%
B38	100%	100%
B44	100%	100%
B45	100%	100%
B46	100%	100%
B48	100%	100%
B49	100%	100%
B50	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B57	100%	100%
B58	100%	100%
B59	100%	100%
B62	100%	100%
B63	100%	100%
B71	100%	100%

Table 21. Summary of the 550th Serum Exchange (Serum #1193-1196) by Luminex, Other, Flow, and C1q- class II

Method: Luminex

*** Serum 1193 ***		
13 typing Labs		
Antigen	Consensus	Inclusion
NEG	100%	100%

*** Serum 1194 ***		
24 typing Labs		
Antigen	Consensus	Inclusion
DR4	100%	100%
DQ8	88%	86%
DQ7	88%	63%
DQ9	83%	44%
DR51	67%	100%
DR53	58%	100%
DR15	17%	100%
DR16	17%	100%
DQ4	17%	25%
DQ3	4%	100%

*** Serum 1195 ***		
16 typing Labs		
Antigen	Consensus	Inclusion
NEG	81%	100%
DR10	25%	100%
DR18	25%	100%
DQ9	6%	33%
DQ2	6%	20%

*** Serum 1196 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
DR1	100%	100%
DR15	100%	100%
DR16	100%	100%
DR9	100%	91%
DR51	91%	100%
DR103	91%	80%
DR4	73%	38%
DQ6	73%	35%
DQ5	41%	100%
DR14	41%	100%

Method: Other

*** Serum 1193 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
NEG	50%	100%

*** Serum 1194 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
DQ7	50%	100%
DQ8	50%	100%
DQ9	50%	100%
DR4	50%	100%

*** Serum 1195 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
NEG	50%	100%

*** Serum 1196 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
DR15	50%	100%
DR16	50%	100%

Method: Flow Cytometry

*** Serum 1193 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1194 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1195 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1196 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

Method: C1q

*** Serum 1193 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1194 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1195 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1196 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

Table 22. Individual laboratory results for Serum #1193-1196 by NIH-Standard and NIH-Extended - class I

	**** Serum 1193 ****				**** Serum 1194 ****				**** Serum 1195 ****				**** Serum 1196 ****					
Investigator	% POS	B44	B45	Other	% POS	B44	B45	Other	% POS	B51	B52	Other	% POS	B35	B51	B52	Other	Method
Claas, F.H.J.	0				46	+	+	B49,B50	17	+	+		25	+	+	+		STD
Fort, Marylise	5				0					NT			NT					STD
McCluskey, James	0				40	+			13				13				B75	STD
Thornton, Alycia	0				15			B7	20			B7,B55	14				B27,B7	STD
Vasilescu, Rodica	10	+	+		15	+	+		10	+	+		30	+	+	+	B53	STD
Watson, Narelle	0				17	+			6	+			18	+				STD

STD = NIH-Standard

	**** Serum 1193 ****				**** Serum 1194 ****				**** Serum 1195 ****				**** Serum 1196 ****					
Investigator	% POS	B45		Other	% POS	B44	B45	Other	% POS	B51	B52	Other	% POS	B35	B51	B53	Other	Method
Lardy, N.M.	11	+			35	+	+	B49,B50	16	+			27	+	+	+	B75	EXT
Reed, Elaine F. Pl	3	+			14	+	+		14	+	+		29	+	+	+	B52	EXT

EXT = NIH-Extended

Table 23. Individual laboratory results for Serum #1193-1196 by Antiglobulin and C1q - class I

	**** Serum 1193 ****					**** Serum 1194 ****							**** Serum 1195 ****								**** Serum 1196 ****												
Investigator	% POS	B44	B45	BW6	Other	% POS	B44	B45	B42	B49	B50	Other	% POS	B51	B52	A1	A3	B38	B39	Other	% POS	B35	B51	B52	B53	A1	A23	A24					Other	Method
Hahn, Amy B. PhD				+			+	+	+	+	+	B60,B61>		+	+	+	+	+	+	B60,B61>		+	+	+	+	+	+	+					A11,B49 >	AHG
Vasilescu, Rodica	11	+	+			25	+	+					21	+	+					B78	58	+	+	+	+								B78	AHG

AHG = Antiglobulin

	**** Serum 1193 ****					**** Serum 1194 ****							**** Serum 1195 ****								**** Serum 1196 ****												
Investigator	% POS	B45	B76	B82	Other	% POS	B44	B45	B76	B82		Other	% POS	B18	B51	B52	B59	B78		Other	% POS	A23	B35	B37	B49	B51	B52	B53	B71	B75	B77	B78	Other	Method
Liu, Chang MD, PH		+	+	+			+	+	+	+				+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	B71,B75	C1q

Table 24. Individual laboratory results for Serum #1193-1196 by Other - class I

	**** Serum 1193 ****								**** Serum 1194 ****								
Investigator	% POS	B44	B45	BW6				Other	% POS	B13	B41	B44	B45	B47	B49	Other	Method
Liu, Chang MD, Ph	85								82								Other
Reed, Elaine F. Ph	92	+	+	+					76	+	+	+	+	+	+	B60,B61,B50,B82	Other = LMX PRA

	**** Serum 1195 ****								**** Serum 1196 ****								
Investigator	% POS	A29	A30	A31	A32	A33	A34	Other	% POS	B18	B35	B49	B50	B51	B53	Other	Method
Liu, Chang MD, Ph	95								100								Other
Reed, Elaine F. Ph	98	+	+	+	+	+	+	B51,B52,B53,A68 >	96	+	+	+	+	+	+	B78,B62,B75,B77 >	Other = LMX PRA

Table 25. Individual laboratory results for Serum #1193 by Luminex - class I

	**** Serum 1193 ****																																				
Investigator	% POS	B44	B50	B56	B7	B8	B18	B35	B41	B42	B45	B54	B55	B67	B60	B48	B61	B62	B71	B72	B75	B76	B64	B82	B65	B39	B78	B81	B52	B49	B27	B2708	BW6	B8101	B73	B7801	CW1	Other	Method
Abu Amin, Noryati	Multi		+	+	+	+									+																						A11,A34,A30,A32 >	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+		B8201,B3901	LMX
Bengochea, Carrett	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+		+	+	+		+		B703,B3901	LMX
Cecka, J. Michael P	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+	+		+	+	+		+	+	B8201	LMX
Daniel, Dolly	28	+	+	+	+	+	+	+	+	+	+	+	+	+										+							+	+	+		+		B40,B15,B14,BW4 >	LMX
Dunckley, Heather	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+	B13,B47,CW10,CW9 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+						LMX
Esteves Kondo, Deb	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Hahn, Amy B. PhD		+																											+	+			+						LMX
Hamdi, Nuha	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Hod, Reut	88	+	+	+	+	+	+	+	+	+	+	+	+	+		+										+									+	+	+	A11,A2,B40,B15 >	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+	CW9,CW14	LMX
Keming, Du	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+		+	+	+				+						B703,B14	LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Loewenthal , Ron M	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	+		+	CW4,CW6,A24,A2 >	LMX
McCluskey, James	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+	CW14	LMX
Pancoska, Carol Ph	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								LMX
Permpikul, Vejbaesy	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Pule, Ziningi	NT																																						LMX
Reed, Elaine F. PhD	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+						LMX
Rosen-Bronson, Sar	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+						LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+							LMX
V.Brouard, M.Tonye	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+			+	+	+		+		B14,B8201,B3901	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+		+	+		+		+				B8201,B3901	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			+		+	CW4,B13,B47,B38 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX

Table 26. Individual laboratory results for Serum #1194 by Luminex - class I

	**** Serum 1194 ****																																						
Investigator	% POS	B13	B41	B50	B44	B45	B47	B49	A1	B53	B38	B37	B52	B60	A23	B35	B51	B61	B72	B62	B76	B77	B82	B59	B75	B71	B57	B18	B46	B78	B48	A24	B58	B63	B39	B8	Other	Method
Abu Amin, Noryati	Multi	+	+	+					+					+	+																+						B7,B54,A34,A29 >	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				B7801,B8201,A*24:02	LMX
Bengochea, Carre	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+			B3901	LMX
Cecka, J. Michael	75	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Chen, Dong-Feng		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	B56,B64,B7801,B8201	LMX
Daniel, Dolly	11	+	+	+	+	+	+	+															+														B40,B15,BW4,BW6 >	LMX
Dunckley, Heather	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B56	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX
Esteves Kondo, D	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+		+					LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B56,B64	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					LMX
Hamdi, Nuha	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+				+								LMX
Hod, Reut	70	+	+	+	+	+	+	+	+	+	+	+	+			+											+	+	+		+				+		CW4,A2,B40,B15 >	LMX
Holdsworth, Rhon		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B56,B64	LMX
Keming, Du	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+						LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+		+	+			+	+	+	+	+	+	+							+								LMX
Liu, Chang MD, Pl		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Loewenthal , Ron	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+			B14,B7801,B3901	LMX
McCluskey, James	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B56,B64,B65	LMX
Pancoska, Carol F	87	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					LMX
Permpikul, Vejbae	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX
Pule, Ziningi	26	+	+	+	+	+	+	+		+	+	+			+	+							+					+		+		+					B40,B15,A1C	LMX
Reed, Elaine F. Pl	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			LMX
Rosen-Bronson, S	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B56,B64	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+		B64	LMX
V.Brouard, M.Tony	44	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+		+		+	+					B7801,B8201	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+		+	B56,B64,B7801,B8201 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B56,B64,B65	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B56,B64	LMX

Table 27. Individual laboratory results for Serum #1195 by Luminex - class I

	**** Serum 1195 ****																																							
Investigator	% POS	A3	A30	A31	A33	A68	B8	A29	A32	A34	A74	B18	B35	B37	B38	B41	B42	B51	B53	B55	B59	B67	CW12	CW14	CW8	CW1	A36	B49	B52	B54	CW16	CW18	CW6	A69	CW15	CW4	CW7	Other	Method
Abu Amin, Noryati	Multi	+	+	+	+	+	+																															A11,A24,A2,A66 >	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A*24:03,A24,B78,B13 >	LMX
Bengochea, Carrett	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	CW403,B13,B75,B64 >	LMX
Cecka, J. Michael P	75	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B78,B13,B82 >	LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B13,B44,B75 >	LMX
Daniel, Dolly	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+			+		B15,B14,BW4,BW6 >	LMX
Dunckley, Heather	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,A66,B78 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B78,B13,B82 >	LMX
Esteves Kondo, Del	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B78,B13,B82 >	LMX
Fort, Marylise	NT																																						LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,A66,B78 >	LMX
Hamdi, Nuha	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B78,B13 >	LMX
Hod, Reut	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+		+	A11,A24,A2,B40 >	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B48,A66 >	LMX
Keming, Du	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B78,B13,B75 >	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		A24,B78,B14,B63 >	LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B78,B13,B82 >	LMX
Loewenthal , Ron M	65	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B13,B44,B82 >	LMX
McCluskey, James	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B48,A66 >	LMX
Pancoska, Carol Ph	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A66,B78,B13 >	LMX
Permpikul, Vejbaesy	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B78,B13 >	LMX
Pule, Ziningi	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B15,A66,B78 >	LMX
Reed, Elaine F. PhD	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,A66,B78,B44 >	LMX
Rosen-Bronson, Sa	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,A66,B78 >	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	CW403,A66,B78,B75 >	LMX
V.Brouard, M.Tonye	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B13,B44,B75 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B13,B44,B75 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B48,A66 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B48,A66 >	LMX

Table 28. Individual laboratory results for Serum #1196 by Luminex - class I

	**** Serum 1196 ****																																							
Investigator	% POS	A23	A24	B35	A25	A32	B18	B37	B38	B45	B49	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59	A68	B27	A33	B44	A26	A29	A80	B62	B63	B71	B72	B75	B77	B76	B46	A34	B13	Other	Method
Abu Amin, Noryati	Multi	+	+	+																				+			+												A11,A2,A1,A30 >	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B78,B*27:05 >	LMX
Bengochea, Carre	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B48,B47,B82 >	LMX
Cecka, J. Michael	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B78,B47 >	LMX
Chen, Dong-Feng		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,B48,B47 >	LMX
Daniel, Dolly	27	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															B15,BW4,BW6,A2403 >	LMX
Dunckley, Heather	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B61 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,B78,B47 >	LMX
Esteves Kondo, D	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	B48,A66,B78,B39	LMX
Fort, Marylise	NT																																							LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,A66,B78 >	LMX
Hamdi, Nuha	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,A66,B78 >	LMX
Hod, Reut	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	CW4,CW6,A11,A2 >	LMX
Holdsworth, Rhon		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B61 >	LMX
Keming, Du	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+		+	B78,B39	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+				A66,B78,B39	LMX
Liu, Chang MD, Pl		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,A66,B78 >	LMX
Loewenthal , Ron	79	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,B61,B48 >	LMX
McCluskey, James	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B61 >	LMX
Pancoska, Carol F	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,A66,B78 >	LMX
Permpikul, Vejbae	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,A66,B78 >	LMX
Pule, Ziningi	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+	+		A11,B15,A66,B78 >	LMX
Reed, Elaine F. Pl	77	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,B78,B47 >	LMX
Rosen-Bronson, S	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,B48,A66 >	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B78,B47 >	LMX
V.Brouard, M.Tony	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B47,B67 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,B48,B78 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B61 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,A11,B61 >	LMX

Table 29. Individual laboratory results for Serum #1193-1196 by Flow Cytometry and ELISA- class I

	**** Serum 1193 ****																																		
Investigator	% POS	B44	A31	A33	B18	B35	B39	B41	B42	B45	B48	B50	B54	B55	B56	B60	B61	B62	B64	B65															Other	Method
Eckels/CPMC	82																																		FC
Esteves Kondo, De	47	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															B78,B13,B27,B75 >	Elisa
Hahn, Amy B. PhD		+	+	+																															BW6	Elisa

FC = Flow cytometry

	**** Serum 1194 ****																																		
Investigator	% POS	B13	B35	B37	B41	B44	B45	B47	B49	B50	B53	B59	B60	B61	B62	B63	B72	B75	B78	B18															Other	Method
Eckels/CPMC	95																																		FC
Esteves Kondo, De	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															A24,B48,B51,B52 >	Elisa
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																Elisa

	**** Serum 1195 ****																																		
Investigator	% POS	A29	A3	A30	A31	A32	A34	A68	A74	B18	B35	B37	B38	B39	B41	B42	B51	B52	B53	B54	B55	B59	B63	B64	B65	B78	B8	A33							Other	Method
Eckels/CPMC	98																																			FC
Esteves Kondo, De	69	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							B61,B48,B49,B13 >	Elisa
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								Elisa

	**** Serum 1196 ****																																		
Investigator	% POS	A23	A24	A25	A32	B13	B18	B35	B37	B38	B44	B45	B46	B48	B49	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59	B62	B63	B71	B72	B75	B78	B27			Other	Method
Eckels/CPMC	99																																			FC
Esteves Kondo, De	69	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			A66,B47,A26,A34 >	Elisa
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				Elisa

Table 30. Individual laboratory results for Serum #1193-1196 by Luminex - class II

**** Serum 1193 ****				**** Serum 1194 ****											**** Serum 1195 ****				**** Serum 1196 ****												
Investigator	% POS		Other	% POS	DR4	DQ8	DQ7	DQ9	DR51	DR53	DR15	DR16	DQ4	Other	% POS	DR10	DR18	Other	% POS	DR1	DR15	DR16	DR9	DR51	DR103	DR4	DQ6	DQ5	DR14	Other	Method
Abu Amin, Noryati	0			Multi	+	+									0				Multi	+	+	+	+		+		+			DR10	LMX
Arnold, Paula PhD	0				+	+	+	+	+					DQA1*03:03	0					+	+	+	+	+	+	+	+	+	+	DRB1*14:02, DRB1*04:01, DRB1*04:04, DRB1*04:05, DQB1*05:01, DQB1*06:02, DQB1*06:03	LMX
Bengochea, Carret				20	+	+	+	+	+	+									16	+	+	+	+	+		+	+				LMX
Cecka, J. Michael I	0			20	+	+	+	+							0				54	+	+	+	+	+	+	+	+				LMX
Chen, Dong-Feng I	0				+	+	+	+	+	+					0					+	+	+	+	+	+	+	+	+	+		LMX
Daniel, Dolly	0				+										0				7	+	+	+	+	+							LMX
Dunckley, Heather	0			86	+	+	+	+	+	+			+		0				78	+	+	+	+	+	+		+	+	+	DQ4	LMX
Eckels/CPMC,					+	+	+	+	+	+				DQA1*03:03						+	+	+	+	+	+			+	+	DRB1*14:02, DRB1*04, DQB1*06	LMX
Fort, Marylise					+	+	+	+	+	+			+							+											LMX
Hahn, Amy B. PhD					+	+	+	+												+	+	+	+	+	+						LMX
Hamdi, Nuha	0			23	+	+	+	+							0	+	+	DQ2,DQ9	60	+	+	+	+	+	+	+	+				LMX
Holdsworth, Rhond					+	+	+	+	+	+	+	+		DQA1*03		+	+			+	+	+	+	+	+	+	+	+		DRB1*14:02, DRB1*04:01, DRB1*04:04, DRB1*04:05, DQB1*06:02, DQB1*06:03	LMX
Keming, Du				22	+	+	+	+	+	+			+						15	+	+	+	+	+	+	+	+				LMX
Liu, Chang MD, Ph					+	+	+	+												+	+	+	+	+	+		+				LMX
McCluskey, James	0			85	+	+	+	+	+	+	+	+		DQA1*03:01, DQA1*03:03	5	+	+		53	+	+	+	+	+	+	+	+	+	+	DR10, DQA1*01:01	LMX
Pancoska, Carol P	0			28	+	+	+	+	+	+			+		0				22	+	+	+	+	+	+	+	+	+	+		LMX
Permpikul, Vejbaes				18	+	+	+	+	+										18	+	+	+	+	+	+	+					LMX
Pule, Ziningi				24	+						+	+		DQ3					17	+	+	+	+			+					LMX
Reed, Elaine F. Ph	0			21	+	+	+	+	+	+					0				21	+	+	+	+	+	+					DRB1*14:02, DRB1*04:01, DRB1*04:04, DRB1*04:05, DQB1*05:01, DQB1*06:02, DQB1*06:03	LMX

Table 30. Individual laboratory results for Serum #1193-1196 by Luminex - class II

**** Serum 1193 ****				**** Serum 1194 ****											**** Serum 1195 ****				**** Serum 1196 ****												
Investigator	% POS		Other	% POS	DR4	DQ8	DQ7	DQ9	DR51	DR53	DR15	DR16	DQ4	Other	% POS	DR10	DR18	Other	% POS	DR1	DR15	DR16	DR9	DR51	DR103	DR4	DQ6	DQ5	DR14	Other	Method
Rosen-Bronson, Sa	0			66	+	+	+	+	+	+				DQA1*03	0				82	+	+	+	+	+	+	+		+		DRB1*14:02, DRB1*04:01, DRB1*04:04, DRB1*04:05, DQB1*06:02, DQB1*06:03	LMX
Thornton, Alycia	0				+	+	+	+	+	+					0					+	+	+	+	+	+	+	+				LMX
V.Brouard, M.Tony	0			31	+		+								0				60	+	+	+	+		+	+	+		+		LMX
Vather/JHB,					+	+	+	+	+	+	+	+				+	+			+	+	+	+	+	+	+	+	+	+	DR10	LMX
Vather/Pinetown,					+	+	+	+	+	+					0					+	+	+	+	+	+	+	+		+		LMX

Table 31. Individual laboratory results for Serum #1193-1196 by Other, Flow Cytometry, and C1q - class II

	**** Serum 1193 ****						**** Serum 1194 ****						**** Serum 1195 ****						**** Serum 1196 ****					
Investigator	% POS					Other	% POS	DQ7	DQ8	DQ9	DR4	Other	% POS					Other	% POS	DR15	DR16		Other	Method
Liu, Chang MD, Ph							29												60					Other
Reed, Elaine F. Ph	0						73	+	+	+	+		0						47	+	+			Other = LMX PRA

	**** Serum 1193 ****						**** Serum 1194 ****						**** Serum 1195 ****						**** Serum 1196 ****					
Investigator	% POS					Other	% POS					Other	% POS					Other	% POS	DR15	DR51		Other	Method
Eckels/CPMC	0						58						0						61					FC
Liu, Chang MD, Ph																				+	+			C1q

NEXT MAILING DATE: August 3, 2016

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