REPORT OF THE 388th CELL EXCHANGE
OCTOBER 7, 2015

B-cell Lines	**517-518**
Cells	**1549-1552**
Serum	**1177-1180**

B-cell Line Exchange #259

The results for B-cell Line Exchange #259 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 8. We would like to express our appreciation to **Helen Bass, Jane Rowlands, and Tracy Rees, Welsh Blood Service, Pontyclun,** for generously sharing the valuable cells studied in our exchanges.

Ter-517. The consensus type for this sample is DRB1*04:01-DRB1*11:01-DRB3*02:06-DRB4*01:03-DQA1*03:01-DQA1*05:05-DQB1*03:01-DQB1*03:02-DPA1*01:03-DPA1*02:01-DPB1*04:01-DPB1*14:01/A*02:01-A*24:02-B*07:02-B*51:01-C*07:02-C*14:02. One likely association in this cell is DRB1*04:01-B4*01:03-DQA1*03:01-DQB1*03:02, observed in previous exchange cells, Ter 441 (same as Ter 432 and Ter 347) and Ter 419. The other association most likely present in this cell is DRB1*11:01-B3*02:06-DQA1*05:05-DQB1*03:01.

This cell was previously typed as Ter 385 (2007). In this present retyping, DRB3*02:06 was assigned by 94% of labs reporting at high resolution. Interestingly, 2 labs noted that their results by SSP and SSO differed. By SSP, DRB3*02:06 was identified, however by SSO, DRB3*02:02 was identified instead. DRB3*02:06 differs from DRB3*02:02 by a single nucleotide substitution at codon 37 (TAC → AAC), resulting in an amino acid change from tyrosine to asparagine (1). DRB4*01:03 was reported by 78%, while DRB1*04:01 and DRB1*11:01 were each assigned in complete consensus. In 2007, a number of labs were unable to resolve DQB1*03:01 from DQB1*03:09 and DQB1*03:13. In this present typing, DQB1*03:01 was well assigned by 100%.

The class I types for this sample were reported as A*02:01 (100%), A*24:02 (100%), B*07:02 (100%), B*51:01 (88%), C*07:02 (100%), and C*14:02 (100%).

Ter-518. The consensus type for this sample from a Caucasian donor is DRB1*07:01-DRB1*11:08-DRB3*02:02-DRB4*01:01-DQA1*02:01-DQA1*05:05-DQB1*02:02-DQB1*03:01-DPA1*01:03-DPB1*02:01-DPB1*04:02/A*02:01-A*29:02-B*18:01-B*44:03-C*07:01-C*16:01. One association likely present in this cell is DRB1*07:01-B4*01:01-DQA1*02:01-DQB1*02:02, observed in a number of previous exchange cells, most recently Ter 464 (same as Ter 353) and Ter 457 (same as Ter 364). The other likely association present in this cell is DRB1*11:08-B3*02:02-DQA1*05:05-DQB1*03:01.

This cell is the reference cell for DRB1*11:08:01, known as JL (2). It was previously studied in the workshops as IHW9428 (same as FH40), as well as in the exchange as Ter 386 (2007) and Ter 316 (2003). In this present retyping, DRB1*11:08 was reported in complete consensus by labs reporting at high resolution. DRB1*11:08:01 was assigned by 6 labs. DRB1*07:01 (100%) was reported as the second DRB1 type, with 4 labs assigning DRB1*07:01:01.

Arnold, Gandhi, Gottfried, Hartzman & Hurley, and Kim commented on the presence of a possible new DPB1 allele. Hartzman and Hurley noted that the new allele is a variant of DPB1*02:01:02. The variant differs from DPB1*02:01:02 in exon 3, by a single nucleotide substitution at codon 118, position 441 (ACG → ACA), resulting in a synonymous substitution.

The class I types for this sample were reported as A*02:01 (88%), A*29:02 (88%), B*18:01 (100%), B*44:03 (94%), C*07:01 (100%), and C*16:01 (100%). A*29:02:01, B*44:03:01, C*07:01:09, and C*16:01:01 were each assigned by 3 labs.

References:

1. Hashemi-Tavoularis S, Couture C, Buyse IM. Identification of new DRB1*01 (01022), DRB1*14(DRB1*1428) and DRB3*(DRB3*0206) alleles. Tissue Antigens 1997:50:89-93.
2. Smith AG, Petersdorf EW, Mickelson E, et al. HLA-DRB1 first domain sequences of two new DR11 alleles and one novel DR4 allele. Tissue Antigens 1993;42:533.-535.

Table 1: Summary of the 259th B-cell Line Exchange

Ter-517

DNA Typing - class II

32 labs High; 37 labs low-DRB1	%(n)
DRB1*04:01:01	12(4)
DRB1*04:01	88(28)
DRB1*04	100(37)

18 labs High; 26 labs Low-DRB3	%(n)
DRB3*02:06	94(17)
*DRB3*02:02*	*6 (1)*
DRB3*02	69(18)
DRB3*PRESENT	31(8)

23 labs High; 20 labs Low-DQA1	%(n)
DQA1*03:01:01	4 (1)
DQA1*03:01	96(22)
DQA1*03	100(20)

31 High Labs; 36 labs Low-DQB1	%(n)
DQB1*03:01:01:03	3 (1)
DQB1*03:01:01	3 (1)
DQB1*03:01	94(29)
DQB1*03(DQ7)	6 (2)
DQB1*03	94(34)

12 High Labs; 14 labs Low-DPA1	%(n)
DPA1*01:03:01:02	8 (1)
DPA1*01:03	83(10)
*DPA1*01:05*	*8 (1)*
DPA1*01	100(14)

28 High Labs; 16 labs Low-DPB1	%(n)
DPB1*04:01:01:01	4 (1)
DPB1*04:01:01	4 (1)
DPB1*04:01:01G	7 (2)
DPB1*04:01P	4 (1)
DPB1*04:01	81(23)
DPB1*04(DP401)	44(7)
DPB1*04	56(9)

32 labs High; 37 labs low-DRB1	%(n)
DRB1*11:01:01	9 (3)
DRB1*11:01:01G	6 (2)
DRB1*11:01	85(27)
DRB1*11	100(37)

18 labs High/Inter; 25 labs Low-DRB4	%(n)
DRB4*01:03	78(14)
*DRB4*01:01*	*11(2)*
DRB4*01:01+	11(2)
DRB4*02	64(16)
DRB4*PRESENT	36(9)

21 labs High; 20 labs Low-DQA1	%(n)
DQA1*05:05:01	5 (1)
DQA1*05:01:01G	5 (1)
DQA1*05:05	90(19)
DQA1*05	100(20)

31 High Labs; 35 labs Low-DQB1	%(n)
DQB1*03:02:01	10(3)
DQB1*03:02	90(28)
DQB1*03(DQ8)	6 (2)
DQB1*03	94(34)

12 High Labs; 14 labs Low-DPA1	%(n)
DPA1*02:01:01	8 (1)
DPA1*02:01	83(10)
*DPA1*01:11*	*8 (1)*
DPA1*02	100(14)

28 High Labs; 16 labs Low-DPB1	%(n)
DPB1*14:01	100(28)
DPB1*14	100(16)

Serology - class II

3 LABS - DR	%(n)
DR4	100(3)
DR11	100(3)

DR52	100(3)

3 LABS - DQ	%(n)
DQ7	67(3)
DQ3	33(1)
DQ8	67(3)
DQ3	33(1)

DNA Typing - class I

19 labs High; 27 labs low- A	%(n)
A*02:01:01:01	5 (1)
A*02:01:01	5 (1)
A*02:01:01G	5 (1)
A*02:01	84(16)
A*02	100(27)

18 labs High; 28 labs low- B	%(n)
B*07:02:01	11(2)
B*07:02:01G	11(2)
B*07:02	78(14)
B*07	100(28)

18 labs High; 28 labs low- C	%(n)
C*07:02:01:03	6 (1)
C*07:02:01	6 (1)
C*07:02:01G	11(2)
C*07:02	77(14)
C*07	100(28)

19 labs High; 27 labs low- A	%(n)
A*24:02:01:01	5 (1)
A*24:02:01G	5 (1)
A*24:02	90(17)
A*24	100(27)

18 labs High; 28 labs low- B	%(n)
B*51:01:01	16(3)
B*51:01	72(13)
*B*51:154*	*6 (1)*
*B*51:43*	*6 (1)*
B*51	100(2)

18 labs High; 28 labs low- C	%(n)
C*14:02:01	11(2)
C*14:02	89(16)
C*14	100(28)

Table 2: Summary of the 259th B-cell Line Exchange

Ter-518

DNA Typing - class II

32 labs High; 36 labs low-DRB1	%(n)
DRB1*07:01:01:01	3 (1)
DRB1*07:01:01	9 (3)
DRB1*07:01:01G	6 (2)
DRB1*07:01	82(26)
DRB1*07	100(36)

18 labs High; 25 labs Low-DRB3	%(n)
DRB3*02:02:01G	6 (1)
DRB3*02:02	94(17)
DRB3*02	68(17)
DRB3*PRESENT	32(8)

23 labs High; 20 labs Low-DQA1	%(n)
DQA1*02:01	96(22)
*DQA1*03:01*	*4 (1)*
DQA1*02	100(20)

31 High Labs; 35 labs Low-DQB1	%(n)
DQB1*02:02:01	10(3)
DQB1*02:02	87(27)
*DQB1*03:02*	*3 (1)*
DQB1*02	100(35)

11 High Labs; 14 labs Low-DPA1	%(n)
DPA1*01:03:01	9 (1)
DPA1*01:03	91(10)
DPA1*01	100(14)

26 High Labs; 16 labs Low-DPB1	%(n)
DPB1*02:01:02	4 (1)
DPB1*02:01:02G	11(3)
DPB1*02:01P	4 (1)
DPB1*02:01	77(20)
DPB1*04:01	4 (1)
DPB1*02	100(16)

33 labs High; 36 labs low-DRB1	%(n)
DRB1*11:08:01	15(5)
DRB1*11:08	85(28)
DRB1*11	97(35)
DRB1*08	3 (1)

18 labs High; 25 labs Low-DRB4	%(n)
DRB4*01:01:01:01	6 (1)
DRB4*01:01:01	6 (1)
DRB4*01:01	88(16)
DRB4*01	64(16)
DRB4*PRESENT	36(9)

21 labs High; 21 labs Low-DQA1	%(n)
DQA1*05:05:01	5 (1)
DQA1*05:01:01G	5 (1)
DQA1*05:05	85(18)
*DQA1*05:01*	*5 (1)*
DQA1*05	100(20)

32 High Labs; 35 labs Low-DQB1	%(n)
DQB1*03:01:01	13(4)
DQB1*03:01	87(28)
DQB1*03(DQ7)	3 (1)
DQB1*03	97(34)

26 High Labs; 16 labs Low-DPB1	%(n)
DPB1*04:02:01	4 (1)
DPB1*04:02:01G	15(4)
DPB1*04:02P	4 (1)
DPB1*04:02	69(18)
*DPB1*14:01*	*4 (1)*
*DPB1*83:01*	*4 (1)*
DPB1*04(DP402)	50(8)
DPB1*04	50(8)

Serology - class II

3 LABS- DR	%(n)
DR7	100(3)
DR11	100(3)

DR52	100(3)
DR53	100(3)

3 LABS - DQ	%(n)
DQ2	100(3)
DQ7	100(3)

DNA Typing - class I

18 labs High; 27 labs low- A	%(n)
A*02:01:01:01	11(2)
A*02:01:01G	5 (1)
A*02:01	72(13)
*A*02:34*	*6 (1)*
*A*02:101*	*6 (1)*
A*02	100(27)

17 labs High; 28 labs low- B	%(n)
B*18:01:01:01	6 (1)
B*18:01:01:02	6 (1)
B*18:01:01G	12(2)
B*18:01	76(13)
B*18	100(28)

17 labs High; 28 labs low- C	%(n)
C*07:01:09	18(3)
C*07:01	82(14)
C*07	100(28)

18 labs High; 27 labs low- A	%(n)
A*29:02:01:01	5 (1)
A*29:02:01	11(2)
A*29:02	72(13)
*A*29:30*	*6 (1)*
*A*29:38*	*6 (1)*
A*29	100(27)

17 labs High; 28 labs low- B	%(n)
B*44:03:01	18(3)
B*44:03	76(13)
*B*44:154*	*6 (1)*
B*44	100(28)

17 labs High; 26 labs low- C	%(n)
C*16:01:01	18(3)
C*16:01	82(14)
C*16	100(28)

Table 3a: Individual laboratory results for B-cell #517-Class II

		Low resolution													
Center	**Investigator**	**DRB1**		**DRB3**	**DRB4**	**DQA1**		**DQB1**		**DPA*01**		**DPB1**		**METHOD**	**Other Alelles**
5488	Adams , Sharon	*04	*11	3*02	4*01			*03	*03						
774	Cecka , J. Michael	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04(DP401)	*14	SSP	
9916	Charlton , Ronald K	*04	*11	3*PRESENT	4*PRESENT			*03	*03					SSP SBT	
3224	Chen , Dong-Feng	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*14	SSP SSO SBT	
3632	Colombe , Beth W.	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*14	SSP SSO	
5130	Costeas , Paul A.	*04	*11					*03						SSP SSO	
779	Daniel , Claude	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04(DP401)	*14	SSP SSO	
5219	Daniel , Dolly	*04	*11					*03	*03					SSO	
1108	DeConinck , Martha	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02			SSO	
3766	Dunckley , Heather	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04(DP401)	*14	SSP SSO OTHER	
5214	Eckels/CPMC ,	*04	*11	3*02	4*01	*03	*05	*03(DQ7)	*03(DQ8)	*01	*02	*04(DP401)	*14	SS0	DQA1*01, DPA1*03, DPA1*01, DPB1*01
4079	Fort , Marylise	*04	*11					*03	*03					SSP SSO	
792	Gandhi , Manish	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*14	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*04	*11					*03	*03					SSO	
910	Hahn , Amy B.	*04	*11	3*PRESENT	4*PRESENT			*03	*03						
1694	Hesse , Nicole	*04	*11	3*PRESENT	4*PRESENT			*03						SSP	
8043	Hod , Reut	*04	*11					*03	*03						
771	Israel , Shoshana	*04	*11					*03	*03					SSP SSO	
2847	Kihara , Masaaki	*04	*11											SSO	
87	Land , Geoffrey A.	*04	*11	3*PRESENT	4*PRESENT	*03	*05	*03	*03	*01	*02	*04(DP401)	*14	SSP	
725	Lardy , N.M.	*04	*11	3*PRESENT	4*PRESENT	*03	*05	*03						SSP SSO	
278	Lee , Jar-How	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*14	SSP SSO	
6649	Lim , Young Ae	*04	*11	3*PRESENT	4*PRESENT									SSP	
759	Lopez-Cepero , Ma	*04	*11	3*02	4*01	*03	*05	*03(DQ7)	*03(DQ8)	*01	*02	*04(DP401)	*14	SSP	
206	McAlack-Hanau ,	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*14		
8042	Muncher , Liora	*04	*11	NT	NT	NT	NT	*03	*03	NT	NT	NT	NT	SSP SSO	
54	Pancoska , Carol	*04	*11	3*02	4*01	*03	*05	*03		*01	*02	*04	*14		
2400	Phelan , Donna L.	*04	*11	3*02	4*01	*03	*05	*03	*03			*04	*14	SSP SSO SBT	
8001	Rao , Prakash			3*02		*03	*05							SSP SSO	
3519	Renac , Virginie	*04	*11					*03				*04	*14	SSP SBT	
1160	Rosen-Bronson , S	*04	*11	3*02	4*01	*03	*05	*03	*03					SSP SSO SBT	
793	Rubocki , Ronald	*04	*11	3*02	4*PRESENT	*03	*05	*03	*03			*04(DP401)	*14	SSP	
4251	Schiller , Jennifer	*04	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*14	SSO SBT	
8068	Shanmugam , Hem	*04	*11	3*PRESENT	4*PRESENT			*03	*03						
8029	Tarigopula , Anil	*04	*11					*03	*03					SSO	
5451	Tilanus , Marcel G.	*04	*11	3*PRESENT	4*PRESENT			*03						SSP SBT	
5642	Varnavidou-Nicolai	*04	*11					*03	*03					SSP	
8052	Yanina Marcos , Ci	*04	*11	NT	NT	*03	*05	*03	*03	NT	NT	NT	NT	SSO	

Table 3b: Individual laboratory results for B-cell #517-Class II											
	Serology										
CTR	DIRNAME	DR4	DR11	DR52	DR53			DQ3	DQ3	OTH1	OTH2
4492	Charron,D.	+	+	+	+			DQ7	+		
910	Hahn,Amy B.	+	+	+	+			+	DQ8		
4908	Kvam,Vonnett	+	+	+	+			DQ7	DQ8		

Table 4: Individual laboratory results for B-cell #517-Class II															
		High/Intermediate resolution													
Center	Investigator	DRB1		DRB3	DRB4	DQA1		DQB1		DPA*01		DPB1		METHOD	Other Alelles
5488	Adams , Sharon					*03:01	*05:05					*04:01:01	*14:01		
4691	Al Ajlan , Abdulaziz	*04:01	*11:01											SSO	DRB1*11:97/11:100/11:117
5462	Arnold , Paula	NT	NT	3*02:06	4*01:03	NT	NT	*03:01	*03:02	NT	NT	*04:01	*14:01	SSP SSO SBT	
774	Cecka , J. Michael	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSP	DRB1*04:111/04:112/04:115/04:117/04:119N/04:123/04:130/04:135+, DRB1*11:91/11:94/11:97/11:99/11:100/11:101/11:106/11:108+, DQB1*03:27/*03:28/*03:29/*03:35/*03:42/*03:44/*03:47/*03:49+
8070	Chang , Uckjin	*04:01	*11:01											SBT	
9916	Charlton , Ronald K	*04:01:01	*11:01:01	3*02:06	4*01:03			*03:01:01	*03:02:01					SSP SBT	DQB1*03:69/03:70
4492	Charron , Dominiqu	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSP SSO	DRB1*04:171, DRB1*11:97/11:100/11:117/11:154/11:155/11:157/11:158/11:166, DQA1*05:09/05:11, DQB1*03:73/03:92/03:93/03:94/03:114/03:115/03:116, DQB1*03:106/03:107/*03:125/*03:146
3224	Chen , Dong-Feng	*04:01:01	*11:01:01G	3*02:06	4*01:03	*03:01	*05:01:01G	*03:01	*03:02:01	*01:03	*02:01	*04:01:01G	*14:01	SSP SSO SBT	
8021	Clark , Brendan	*04:01	*11:01	3*02:02	4*01:01/01:03	*03:01	*05:05	*03:01	*03:02			*04:01	*14:01	SSP SSO	
3632	Colombe , Beth W.	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSP SSO	
5130	Costeas , Paul A.	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02					SSP SSO	
779	Daniel , Claude			3*02:06		*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSP SSO	
3766	Dunckley , Heather											*04:01	*14:01	SSP SSO OTHER	
5214	Eckels/CPMC ,					*03:01				*01:03	*02:01	*04:01	*14:01	SSO	
3135	Enczmann , J	*04:01	*11:01	3*02:06	4*01:03			*03:01	*03:02			*04:01	*14:01		
762	Fischer , Gottfried	*04:01	*11:01	3*02:06	4*01:01	*03:01	*05:05	*03:01	*03:02			*04:01	*14:01		DRB1*04:64, DRB1*11:30/11:95/11:97/11:100/11:117/11:144, DQB1*03:19/03:29
4079	Fort , Marylise	*04:01	*11:01			*03:01	*05:05	*03:01	*03:02			*04:01	*14:01	SSP SSO	DRB1*04:151/04:171/04:175, DQA1*05:09/05:11, DQB1*03:106/03:114
792	Gandhi , Manish	*04:01	*11:01			*03:01	*05:05	*03:01	*03:02			*04:01	*14:01	SSP SSO SBT	
810	Hamdi , Nuha	*04:01	*11:01	3*02:06	4*01:01	*03:01	*05:05	*03:01	*03:02					SSO	

Table 4: Individual laboratory results for B-cell #517-Class II															
		High/Intermediate resolution													
Center	Investigator	DRB1		DRB3	DRB4	DQA1		DQB1		DPA*01		DPB1		METHOD	Other Alelles
8043	Hod , Reut	*04:01	*11:01			*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01		
2344	Hurley , Hartzman&	*04:01:01	*11:01:01			*03:01:01	*05:05:01	*03:01:01:03	*03:02:01	*01:03:01:02	*02:01:01	*04:01:01:01	*14:01	OTHER	DPB1*04:01:01:02
771	Israel , Shoshana	*04:01	*11:01					*03:01	*03:02					SSP SSO	
8086	Jie , Pan	*04:01	*11:01			*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSO SBT	
4337	Kim , Tai-Gyu	*04:01	*11:01					*03:01	*03:02			*04:01	*14:01	SBT	
278	Lee , Jar-How	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSP SSO	
274	Lo , Raymundo W.	*04:01	*11:01			*03:01	*05:05	*03:01	*03:02	*01:05	*01:11	*04:01	*14:01		
8042	Muncher , Liora	*04:01	*11:01	NT	NT	NT	NT	*03:01	*03:02	NT	NT	NT	NT	SSP SSO	
3966	Permpikul , Vejbaes	*04:01	*11:01	3*02:06	4*01:03			*03:01	*03:02					SSP	
2400	Phelan , Donna L.	*04:01	*11:01			*03:01	*05:05	*03:01	*03:02			*04:01P	*14:01	SSP SSO SBT	
8001	Rao , Prakash	*04:01	*11:01		4*01:03			*03:01	*03:02			*04:01	*14:01	SSP SSO	
3753	Reed , Elaine F.	*04:01	*11:01	3*02:06	4*01:01/ 01:03/ 01:06	*03:01	*05:05	*03:01	*03:02	*01:03	*02:01	*04:01	*14:01	SSO SBT	DRB3*02:28/*02:29N, DQA1*05:09/05:11, DQB1*03:14/*03:113
3519	Renac , Virginie	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02			*04:01	*14:01	SSP SBT	DRB1*11:97
1160	Rosen-Bronson , Sa	*04:01	*11:01	3*02:06	4*01:03	*03:01		*03:01	*03:02			*04:01	*14:01	SSP SSO SBT	DQB1*03:14/*03:113, DRB1*04:35, DRB1*11:37
793	Rubocki , Ronald											*04:01	*14:01	SSP	
4251	Schiller , Jennifer	*04:01	*11:01:01G					*03:01	*03:02			*04:01:01G	*14:01	SSO SBT	
5451	Tilanus , Marcel G.J	*04:01:01	*11:01:01											SSP SBT	
5642	Varnavidou-Nicolaid	*04:01	*11:01					*03:01	*03:02					SSP	DRB1*04:111/04:112, DRB1*11:74/11:75, DQB1*03:22/03:92
3511	Zeevi , Adriana	*04:01	*11:01	3*02:06	4*01:03	*03:01	*05:05	*03:01	*03:02			*04:01	*14:01		

Table 5: Individual laboratory results for B-cell #517-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			*07	*51	*07	*14	*02:01	*24:02						
4691	Al Ajlan , Abdulaziz	*02	*24	*07	*51	*07	*14							SSO	
5462	Arnold , Paula							*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO SBT	B*07:61, B*07:161N
774	Cecka , J. Michael	*02	*24	*07	*51	*07	*14							SSP	
9916	Charlton , Ronald K	*02	*24	*07	*51	*07	*14	*02:01:01	*24:02	*07:02:01	*51:01:01	*07:02:01	*14:02:01	SSP SBT	
4492	Charron , Dominiqu							*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO	A*02:266/02:294/02:327/02:329/02:357/02:397/02:469, A*24:144/24:154/24:265/24:266/24:268/24:270/24:272/24:275, B*07:104/07:128/07:129/07:130/07:156/07:212/07:217, B*51:167/51:168/51:171/51:174, C*07:159/07:195/07:245/07:305/07:306/07:319/07:320/07:321+, C*14:50/14:51/14:59/14:62/14:66
3224	Chen , Dong-Feng	*02	*24	*07	*51	*07	*14	*02:01:01G	*24:02:01G	*07:02:01G	*51:01:01	*07:02:01G	*14:02	SSP SSO SBT	
8021	Clark , Brendan	*02	*24	*07	*51	*07	*14							SSP SSO	
5130	Costeas , Paul A.	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO	A*02:29, C*07:67
779	Daniel , Claude	*02	*24	*07	*51	*07	*14							SSP SSO	
5219	Daniel , Dolly	*02	*24	*07	*51	*07	*14							SSO	
1108	DeConinck , Martha	*02	*24	*07	*51	*07	*14							SSO	
3766	Dunckley , Heather	*02	*24	*07	*51	*07	*14							SSP SSO OTHER	
5214	Eckels/CPMC ,	*02	*24	*07	*51	*07	*14								
3135	Enczmann , J							*02:01	*24:02	*07:02	*51:01	*07:02	*14:02		
792	Gandhi , Manish	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*02	*24	*07	*51	*07	*14							SSO	
810	Hamdi , Nuha							*02:01	*24:02	*07:02	*51:154	*07:02	*14:02	SSO	A*02:01L
1694	Hesse , Nicole	*02	*24	*07	*51	*07	*14							SSP	
2344	Hurley , Hartzman&							*02:01:01:01	*24:02:01:01	*07:02:01	*51:01:01	*07:02:01:03	*14:02:01	OTHER	
8086	Jie , Pan							*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSO SBT	
2847	Kihara , Masaaki	*02	*24	*07	*51	*07	*14							SSO	
4337	Kim , Tai-Gyu							*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SBT	
87	Land , Geoffrey A.	*02	*24	*07	*51	*07	*14							SSP	
278	Lee , Jar-How	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO	
274	Lo , Raymundo W.							*02:01	*24:02	*07:02	*51:43	*07:02	*14:02		
206	McAlack-Hanau ,	*02	*24	*07	*51	*07	*14								
8042	Muncher , Liora	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO	
54	Pancoska , Carol	*02	*24	*07	*51	*07	*14								
3966	Permpikul , Vejbaes	*02	*24	*07	*51	*07	*14							SSP	
2400	Phelan , Donna L.	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SSO SBT	

Table 5: Individual laboratory results for B-cell #517-Class I															
		Low Resolution						High resolution							
Center	Investigator	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
3753	Reed , Elaine F.							*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSO SBT	B*07:37/07:50/07:51/07:61/07:161N/07:172/07:349, C*14:06/14:13/14:18
3519	Renac , Virginie	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02	*51:01	*07:02	*14:02	SSP SBT	
4251	Schiller , Jennifer	*02	*24	*07	*51	*07	*14	*02:01	*24:02	*07:02:01G	*51:01	*07:02:01G	*14:02	SSO SBT	
8068	Shanmugam , Hem	*02	*24	*07	*51	*07	*14								
8029	Tarigopula , Anil	*02	*24	*07	*51	*07	*14							SSO	
5451	Tilanus , Marcel G.J													SSP SBT	
8052	Yanina Marcos , Cir	*02	*24	*07	*51	*07	*14							SSO	

Table 6a: Individual laboratory results for B-cell #518-Class II

		Low resolution													
Center	**Investigator**	**DRB1**		**DRB3**	**DRB4**	**DQA1**		**DQB1**		**DPA1**		**DPB1**		**METHOD**	**Other Alelles**
5488	Adams , Sharon			3*02	4*01										
4691	Al Ajlan , Abdulaziz							*02	*03					SSO	
774	Cecka , J. Michael	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04(DP402)	SSP	
9916	Charlton , Ronald K	*07	*11	3*PRESENT	4*PRESENT			*02	*03					SSP SBT	
3224	Chen , Dong-Feng	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04	SSP SSO SBT	
3632	Colombe , Beth W.	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04	SSP SSO	
5130	Costeas , Paul A.	*07	*11					*02	*03					SSP SSO	
779	Daniel , Claude	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04(DP402)	SSP SSO	
5219	Daniel , Dolly	*07	*11					*02	*03					SSO	
1108	DeConinck , Martha	*07	*11	3*02	4*01	*02	*05	*02	*03	*01	*01			SSO	
3766	Dunckley , Heather	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04(DP402)	SSP SSO OTHER	
5214	Eckels/CPMC ,	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04(DP402)		DRB1*08, DQA1*01, DPA1*03, DPB1*01
4079	Fort , Marylise	*07	*08					*02	*03					SSP SSO	
792	Gandhi , Manish	*07	*11	3*02	4*01	*02	*05	*02	*03	*01	*01	*02	*04	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*07	*11					*02	*03					SSO	
910	Hahn , Amy B.	*07	*11	3*PRESENT	4*PRESENT			*02	*03						
1694	Hesse , Nicole	*07	*11	3*PRESENT	4*PRESENT			*02	*03					SSP	
8043	Hod , Reut	*07	*11					*02	*03						
771	Israel , Shoshana	*07	*11					*02	*03					SSP SSO	
2847	Kihara , Masaaki	*07	*11											SSO	
87	Land , Geoffrey A.	*07	*11	3*PRESENT	4*PRESENT	*02	*05	*02	*03	*01	*01	*02	*04(DP402)	SSP	
725	Lardy , N.M.	*07	*11	3*PRESENT	4*PRESENT	*02	*05	*02	*03					SSP SSO	
278	Lee , Jar-How	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04	SSP SSO	
6649	Lim , Young Ae	*07	*11	3*PRESENT	4*PRESENT									SSP	
759	Lopez-Cepero , Ma	*07	*11	3*02	4*01	*02	*05	*02	*03(DQ7)	*01		*02	*04(DP402)	SSP	
206	McAlack-Hanau ,	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04		
8042	Muncher , Liora	*07	*11	NT	NT	NT	NT	*02	*03	NT	NT	NT	NT	SSP SSO	
54	Pancoska , Carol	*07	*11	3*02	4*01	*02	*05	*02	*03	*01		*02	*04		
2400	Phelan , Donna L.	*07	*11	3*02	4*01	*02	*05	*02	*03			*02	*04	SSP SSO SBT	
8001	Rao , Prakash					*02	*05							SSP SSO	
3519	Renac , Virginie	*07	*11					*02	*03			*02	*04	SSP SBT	
1160	Rosen-Bronson , Sa	*07	*11	3*02	4*01	*02	*05	*02	*03					SSP SSO SBT	
793	Rubocki , Ronald	*07	*11	3*02	4*PRESENT	*02	*05	*02	*03			*02	*04(DP402)	SSP	
4251	Schiller , Jennifer	*07	*11	3*02	4*01	*02	*05	*02	*03	*01	*01	*02	*04(DP402)	SSO SBT	
8068	Shanmugam , Hem	*07	*11	3*PRESENT	4*PRESENT			*02	*03						
8029	Tarigopula , Anil	*07	*11					*02	*03					SSO	
5451	Tilanus , Marcel G.	*07	*11	3*PRESENT	4*PRESENT			*02	*03					SSP SBT	
5642	Varnavidou-Nicolaid	*07	*11					*02	*03					SSP	
8052	Yanina Marcos , Cir	*07	*11	NT	NT	*02	*05	*02	*03	NT	NT	NT	NT	SSO	

Table 6b: Individual laboratory results for B-cell #518-Class II											
		Serology									
CTR	DIRNAME	DR7	DR11	DR52	DR53			DQ2	DQ7	OTH1	OTH2
4492	Charron,D.	+	+	+	+			+	+		
910	Hahn,Amy B.	+	+	+	+			+	+		
4908	Kvam,Vonnett	*	*	*	*			*	*		

Table 7: Individual laboratory results for B-cell #518-Class II															
		High resolution													
Center	Investigator	DRB1		DRB3	DRB4	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
5488	Adams , Sharon	*07:01:01	*11:08:01			*02:01	*05:05	*02:02:01	*03:01:01			*02:01	*04:02		
4691	Al Ajlan , Abdulaziz	*07:01	*11:08											SSO	
5462	Arnold , Paula	NT	NT	3*02:02	4*01:01	NT	NT	*02:02	*03:01	NT	NT	*02:01P	*04:02P	SSP SSO SBT	DRB3*02:28/02:29N, DPB1*105:01, DPB1*416:01
774	Cecka , J. Michael	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01	*01:03		*02:01	*04:02	SSP	DRB1*07:18/07:19/07:20/07:21/07:23/07:24/07:25/07:27+, DRB3*02:26/02:28/02:29N, DQB1*02:06/02:10/02:11/02:12/02:17/02:25, DQB1*03:21/03:22/03:24/03:27/03:28/03:29/03:35/03:36+
8070	Chang , Uckjin	*07:01	*11:08											SBT	
9916	Charlton , Ronald K	*07:01:01	*11:08:01	3*02:02	4*01:01:01:01			*02:02:01	*03:01:01					SSP SBT	
4492	Charron , Dominiqu	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01	*01:03		*02:01	*04:02	SSP SSO	DRB1*07:31/07:33/07:34, DQA1*05:09/05:11, DQB1*02:12, DQB1*03:27/03:28/03:29/03:35/03:42/03:44/03:47/03:49/03:50, DPB1*416:01, DPB1*105:01
3224	Chen , Dong-Feng	*07:01:01G	*11:08:01	3*02:02:01G	4*01:01:01	*02:01	*05:01:01G	*02:02	*03:01:01	*01:03		*02:01:02G	*04:02:01G	SSP SSO SBT	
8021	Clark , Brendan	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01			*02:01	*04:02	SSP SSO	DRB4*01:03
3632	Colombe , Beth W.	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01	*01:03		*02:01	*04:02	SSP SSO	
5130	Costeas , Paul A.	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01					SSP SSO	DQB1*03:27
779	Daniel , Claude		*11:08			*02:01	*05:05		*03:01	*01:03		*02:01	*04:02	SSP SSO	
3766	Dunckley , Heather					*02:01						*02:01	*04:02	SSP SSO OTHER	
3135	Enczmann , J	*07:01	*11:08	3*02:02	4*01:01			*02:02	*03:01			*02:01	*04:02		

Table 7: Individual laboratory results for B-cell #518-Class II															
		High resolution													
Center	Investigator	DRB1		DRB3	DRB4	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alelles
762	Fischer , Gottfried	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01			*02:01	*04:02		DRB1*07:34, DRB3*02:28/02:29N/02:12, DRB4*01:06, DQB1*03:19/03:29, DPB1*105:01
4079	Fort , Marylise	*07:01	*11:08			*02:01	*05:05	*02:02	*03:01			*02:01	*04:02	SSP SSO	DPB1*105:01, DQA1*05:09/05:11, DQB1*03:114
792	Gandhi , Manish	*07:01	*11:08			*02:01	*05:05	*02:02	*03:01			*02:01:02G	*04:02:01G	SSP SSO SBT	
810	Hamdi , Nuha	*07:01	*11:08	3*02:02	4*01:01	*02:01	05:01	*02:02	*03:01					SSO	DRB1*07:31/07:33/*07:34, DRB3*02:28/02:29N, DRB4*01:03/01:06
8043	Hod , Reut	*07:01	*11:08			*02:01	*05:05	*02:02	*03:01	*01:03	*01:03	*02:01	*04:02		
2344	Hurley , Hartzman&	*07:01:01:01	*11:08:01			*02:01	*05:05:01	*02:02:01	*03:01:01	*01:03:01	*01:03:01	*02:01:02	*04:02:01	OTHER	DRB1*07:01:01:02
771	Israel , Shoshana	*07:01	*11:08					*02:02	*03:01					SSP SSO	
8086	Jie , Pan					*03:01	*05:05	*03:02	*03:01	*01:03	*02:01	*04:01	*14:01	SSO SBT	
4337	Kim , Tai-Gyu	*07:01	*11:08					*02:02	*03:01			*02:01	*04:02	SBT	
278	Lee , Jar-How	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01	*01:03		*02:01	*04:02	SSP SSO	
274	Lo , Raymundo W.	*07:01	*11:08			*02:01	*05:05	*02:02	*03:01	*01:03	*01:03	*02:01	*83:01		
8042	Muncher , Liora	*07:01	*11:08	NT	NT	NT	NT	*02:02	*03:01	NT	NT	NT	NT	SSP SSO	
3966	Permpikul , Vejbaes	*07:01	*11:08	3*02:02	4*01:01			*02:02	*03:01					SSP	
2400	Phelan , Donna L.	*07:01	*11:08			*02:01	*05:05	*02:02	*03:01			*02:01	*04:02:01G	SSP SSO SBT	
8001	Rao , Prakash	*07:01	*11:08	3*02:02	4*01:01			*02:02	*03:01			*02:01	*04:02	SSP SSO	
3753	Reed , Elaine F.	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01	*01:03	*01:03	*02:01	*04:02	SSO SBT	DRB3*02:28/02:29N, DRB4*01:03/01:06, DQA1*05:09/05:11
3519	Renac , Virginie	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01			*02:01	*04:02	SSP SBT	DRB1*07:34
1160	Rosen-Bronson , Sa	*07:01	*11:08	3*02:02	4*01:01	*02:01		*02:02	*03:01					SSP SSO SBT	DRB1*07:23/07:26N
793	Rubocki , Ronald											*02:01	*04:02	SSP	
4251	Schiller , Jennifer	*07:01:01G	*11:08					*02:02	*03:01			*02:01:02G	*04:02:01G	SSO SBT	
5451	Tilanus , Marcel G.J	*07:01:01	*11:08:01											SSP SBT	
5642	Varnavidou-Nicolaid	*07:01	*11:08					*02:02	*03:01					SSP	DRB1*07:18/07:19, DQB1*03:22
3511	Zeevi , Adriana	*07:01	*11:08	3*02:02	4*01:01	*02:01	*05:05	*02:02	*03:01			*02:01	*04:02		

Table 8: Individual laboratory results for B-cell #518-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			*18	*44	*07	*16	*02:01	*29:02						
4691	Al Ajlan , Abdulaziz	*02	*29	*18	*44	*07	*16							SSO	
5462	Arnold , Paula							*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO SBT	B*18:11/ B*44:203
774	Cecka , J. Michael	*02	*29	*18	*44	*07	*16							SSP	
9916	Charlton , Ronald K	*02	*29	*18	*44	*07	*16	*02:01:01:01	*29:02:01	*18:01:01:02	*44:03:01	*07:01:09	*16:01:01	SSP SBT	
4492	Charron , Dominiqu							*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO	A*02:266/02:294/02:327/02:329/02:357/02:397/02:469/02:483+, A*29:65, B*18:62/18:99/18:100/18:104/44:163/44:193/44:198N/44:203, C*07:103/*07:131/*07:166/*07:303/*07:310/*07:311/*07:313/07:362, C*16:59/16:71/16:72
3224	Chen , Dong-Feng	*02	*29	*18	*44	*07	*16	*02:01:01G	*29:02:01	*18:01:01G	*44:03:01	*07:01:09	*16:01:01	SSP SSO SBT	
8021	Clark , Brendan	*02	*29	*18	*44	*07	*16							SSP SSO	
5130	Costeas , Paul A.	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO	A*29:26, C*07:58
779	Daniel , Claude	*02	*29	*18	*44	*07	*16							SSP SSO	
5219	Daniel , Dolly	*02	*29	*18	*44	*07	*16							SSO	
1108	DeConinck , Martha	*02	*29	*18	*44	*07	*16							SSO	
3766	Dunckley , Heather	*02	*29	*18	*44	*07	*16							SSP SSO OTHER	
5214	Eckels/CPMC ,	*02	*29	*18	*44	*07	*16								
3135	Enczmann , J							*02:01	*29:02	*18:01	*44:03	*07:01	*16:01		
792	Gandhi , Manish	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*02	*29	*18	*44	*07	*16							SSO	
810	Hamdi , Nuha							*02:101	*29:38	*18:01	*44:03	*07:01	*16:01	SSO	A*02:167/02:227N, A*29:41, B*18:36/*18:53, B*44:03/44:163, C*07:02/07:05/07:27, C*16:21/16:65/16:73
1694	Hesse , Nicole	*02	*29	*18	*44	*07	*16							SSP	
2344	Hurley , Hartzman&							*02:01:01:01	*29:02:01:01	*18:01:01:01	*44:03:01	*07:01:09	*16:01:01	OTHER	
2847	Kihara , Masaaki	*02	*29	*18	*44	*07	*16							SSO	
4337	Kim , Tai-Gyu							*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SBT	
87	Land , Geoffrey A.	*02	*29	*18	*44	*07	*16							SSP	
278	Lee , Jar-How	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO	
274	Lo , Raymundo W.							*02:34	*29:30	*18:01	*44:154	*07:01	*16:01		
206	McAlack-Hanau ,	*02	*29	*18	*44	*07	*16								
8042	Muncher , Liora	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO	
54	Pancoska , Carol	*02	*29	*18	*44	*07	*16								
3966	Permpikul , Vejbaes	*02	*29	*18	*44	*07	*16							SSP	
2400	Phelan , Donna L.	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SSO SBT	

Table 8: Individual laboratory results for B-cell #518-Class I															
		Low Resolution						High resolution							
Center	Investigator	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
3753	Reed , Elaine F.							*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSO SBT	A*02:34/02:174/02:190/02:334, A*29:09/29:22/29:34/29:69, B*18:09/18:11/18:17N/18:20/18:25/18:36/18:43/18:49, B*44:45/44:46/44:103/44:109/44:163/44:188/44:203, C*07:16/07:26/07:40/07:53, C*16:15/16:21/16:26/16:35
3519	Renac , Virginie	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01	*44:03	*07:01	*16:01	SSP SBT	
4251	Schiller , Jennifer	*02	*29	*18	*44	*07	*16	*02:01	*29:02	*18:01:01G	*44:03	*07:01	*16:01	SSO SBT	
8068	Shanmugam , Hem	*02	*29	*18	*44	*07	*16								
8029	Tarigopula , Anil	*02	*29	*18	*44	*07	*16							SSO	
5451	Tilanus , Marcel G.J													SSP SBT	
8052	Yanina Marcos , Cir	*02	*29	*18	*44	*07	*16							SSO	
3511	Zeevi , Adriana														

Cell Exchange #388

The results for Cell Exchange #388 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. The haplotype frequencies used in this report are from the NMDP Bioinformatics website, http://bioinformatics.nmdp.org/.

Cell 1549. The consensus type for this sample from a Black donor is A*01:01(A1)-A*34:02(A34)-B*08:01(B8)-B*81:01(B81)-C*07:01(Cw7)-C*18:01. This sample is the parent of cell 1550, also typed in this study. From previous family data, the class I haplotypes in this sample are A*01:01-B*08:01-C*07:01 and A*34:02-B*81:01-C*18:01. The B*08:01-C*07:01 and B*81:01-C*18:01 associations in this cell are observed in African American populations, with respective frequencies of HF=0.02792 and 0.01101.

This cell was previously typed as cells 1525 (2014) and 1481 (2013), as correctly identified by Claas. In this present retyping, B81 was reported by 96%, while, B*81:01 was assigned by 100% of labs reporting at high resolution. B8 was reported in complete consensus as the second B-locus type and confirmed as B*08:01 (100%). A1 and A34 were reported by 100% and 96%, respectively, and confirmed as A*01:01 (100%) and A*34:02 (100%). A*01:01:01:01 was assigned by 4 labs and A*34:02:01 by 8 labs. The C-locus types were C*07:01 (100%) and C*18:01 (100%).

Cell 1550. The consensus type for this sample from a Black donor is A*23:01(A23)-A*34:02(A34)-B*53:01(B53)-B*81:01(B81)-C*04:01(Cw4)-C*18:01. This sample is the offspring of cell 1549, as such, the class I haplotypes in this cell are A*23:01-B*53:01-C*04:01 and A*34:02-B*81:01-C*18:01.

This cell was previously typed as cell 1527 in 2014, as astutely noted by Claas. B81 and B53 were assigned by 92% and 96%, respectively. B*53:01 and B*81:01 were each assigned by 100% of labs reporting at high resolution. B*53:01:01 was assigned by 6 labs. A23 (100%) and A34 (92%) were the reported A-locus types and confirmed as A*23:01 (94%) and A*34:02 (100%), respectively. A*34:02:01 was assigned by 8 labs. The C-locus types were C*04:01 (100%) and C*18:01 (100%), with 5 labs assigning C*04:01:01.

Cell 1551. The consensus type for this sample from a donor of mixed heritage is A*66:01(A66)-A*68:02(A68)-B*14:02(B65)-B*53:01(B53)-C*06:02(Cw6)-C*08:02(Cw8). One likely association in this cell may be B*53:01-C*06:02, observed across all populations with the highest frequency occurring among African American, HF=0.01089. The other probable association is B*14:02-C*08:02. B*14:02-C*08:02 is the 3rd most common association in Hispanics, with HF=0.03914.

A66 (73%) was reported by 73%, with 1 lab assigning A6601. A28 (100%) was reported as the second A-locus type, with 73% of labs assigning A68. A*66:01 (100%) and A*68:02 (100%) were reported by DNA, with 4 labs assigning A*66:01:01 and 5 labs assigning A*68:02:01. B65 (58%) and B53 (100%) were reported as the B-locus types and confirmed as B*14:02 (100%) and B*53:01 (100%). B*14:02:01 and B*53:01:01 were each assigned by 5 labs. C*06:02 and C*08:02 were each assigned in complete consensus, with 4 labs assigning C*06:02:01 and 5 labs assigning C*08:02:01.

Cell 1552. The consensus type for this sample from a Black donor is A*30:02(A30)-A*74:01(A74)-B*50:01(B50)-B*58:01(B58)-C*02:10(Cw2)-C*06:02(Cw6). One likely association in this cell may be A*74:01-B*50:01-C*06:02, with HF=0.00133, in African Americans. The other probable association may then be A*30:02-B*58:01-C*02:10. A*30:02-B*58:01 is observed exclusively in African Americans, with HF=0.00263.

This cell was previously typed as cell 1384 in 2009. Two different subtypes of A19 were present in this cell, A*74:01 (100%) and A*30:02 (100%). A*30:02:01 was assigned by 5 labs. A30 (100%) and B74 (95%) were reported by serology. B50 (95%) and B58 (91%) were the reported B-locus types, with DNA assigning B*50:01 (100%) and B*58:01 (100%). B*50:01:01 and B*58:01:01 were each assigned by 5 labs. The C-locus types were C*02:10 (79%) and C*06:02 (100%). C*02:10 was previously typed in cell 1436 (same as cell 1412), also from a black donor.

Table 9. Summary of the 388th Cell Exchange (Cell #1549-1552)

DNA typing

Cell 1549	
27 low/16 high labs - A	%(n)
A*01:01:01:01	25(4)
A*01:01:01	13(2)
A*01:01:01G	6(1)
A*01:01	56(9)
A*01	100(27)
27 low/16 high labs - A	%(n)
A*34:02:01	50(8)
A*34:02	50(8)
A*34	100(27)
28 low/15 high labs - B	%(n)
B*08:01:01	20(3)
B*08:01P	7(1)
B*08:01	73(11)
B*08	100(28)
27 low/15 high labs - B	%(n)
B*81:01P	7(1)
B*81:01:01G	13(2)
B*81:01	80(12)
B*81	100(27)
27 low/14 high Labs - C	%(n)
C*07:01:01	14(2)
C*07:01:01G	7(1)
C*07:01P	7(1)
C*07:01	71(10)
C*07	100(27)
26 low/14 high Labs - C	%(n)
C*18:01:01G	14(2)
C*18:01P	7(1)
C*18:01	79(11)
C*18	100(26)

Cell 1550	
27 low/16 high labs - A	%(n)
A*23:01:01	19(3)
A*23:01:01G	6(1)
A*23:01P	13(2)
*A*23:35*	6(1)
A*23:01	56(9)
A*23	100(27)
27 low/16 high labs - A	%(n)
A*34:02:01	50(8)
A*34:02	50(8)
A*34	100(27)
27 low/16 high labs - B	%(n)
B*53:01:01	38(6)
B*53:01	62(10)
B*53	100(27)
27 low/15 high labs - B	%(n)
B*81:01:01G	13(2)
B*81:01P	7(1)
B*81:01	80(12)
B*81	100(27)
26 low/15 high Labs - C	%(n)
C*04:01:01	33(5)
C*04:01:01G	7(1)
C*04:01P	7(1)
C*04:01	53(8)
C*04	100(26)
26 low/15 high Labs - C	%(n)
C*18:01:01G	13(2)
C*18:01P	6(1)
C*18:01	80(12)
C*18	100(26)

Cell 1551	
24 low/17 high labs - A	%(n)
A*66:01:01	23(4)
A*66:01	77(13)
A*66	100(24)
24 low/17 high labs - A	%(n)
A*68:02:01	29(5)
A*68:02	70(12)
A*68	100(24)
24 low/18 high labs - B	%(n)
B*14:02:01	28(5)
B*14:02	72(13)
B*14	100(24)
24 low/16 high labs - B	%(n)
B*53:01:01	31(5)
B*53:01	69(11)
B*53	100(24)
24 low/15 high Labs - C	%(n)
C*06:02:01	26(4)
C*06:02:01G	7(1)
C*06:02P	7(1)
C*06:02	60(9)
C*06	100(24)
24 low/15 high Labs - C	%(n)
C*08:02:01	33(5)
C*08:02	67(10)
C*08	100(24)

Cell 1552	
24 low/15 high labs - A	%(n)
A*30:02:01	33(5)
A*30:02	67(10)
A*30	100(24)
24 low/14 high labs - A	%(n)
A*74:01:01G	14(2)
A*74:01P	7(1)
A*74:01	79(11)
A*74	100(24)
24 low/16 high labs - B	%(n)
B*50:01:01	31(5)
B*50:01	69(11)
B*50	100(24)
24 low/16 high labs - B	%(n)
B*58:01:01	31(5)
B*58:01	69(11)
B*58	100(24)
24 low/14 high Labs - C	%(n)
C*02:10	79(11)
*C*02:02*	21(3)
C*02	100(24)
24 low/14 high Labs - C	%(n)
C*06:02:01	14(2)
C*06:02:01G	7(1)
C*06:02P	14(2)
C*06:02	64(9)
C*06	100(24)

Table 10. Summary of the 388th Cell Exchange (Cell #1549-1552)

Serological typing

(Black)	
Cell 1549	
(24 Samples Typed)	
A1	100.0%
A34	95.8%
	[95.8%]
B8	100.0%
B81	95.9%
	[95.9%]
Cw7	45.8%
Cw18	4.2%
Cw6	8.3%
	[12.5%]
Bw6	83.3%
Others Found	
B7	8.3%
A10	8.3%
A29	4.2%
A33	4.2%
B48	4.2%
Cw4	4.2%

(Black)	
Cell 1550	
(24 Samples Typed)	
A23	100.0%
	[100.0%]
A34	91.7%
A10	8.3%
	[95.8%]
B53	95.8%
B81	91.7%
	[91.7%]
Cw4	50.0%
	[50.0%]
Cw6	8.3%
Bw4	79.2%
Bw6	83.3%
Others Found	
B7	12.5%
A33	4.2%
A66	4.2%
B48	4.2%

(Mixed)	
Cell 1551	
(22 Samples Typed)	
A66	68.2%
A10	18.2%
A6601	4.5%
	[90.9%]
A68	72.7%
A28	27.3%
	[100.0%]
B65	68.2%
B14	27.3%
	[95.5%]
B53	100.0%
Cw6	50.0%
	[50.0%]
Cw8	45.5%
Bw4	81.8%
Bw6	81.8%
Others Found	
A26	4.5%
Cw4	4.5%
A34	4.5%
B64	4.5%

(Black)	
Cell 1552	
(21 Samples Typed)	
A30	100.0%
	[100.0%]
A74	95.2%
A19	4.8%
	[100.0%]
B50	95.2%
B21	4.8%
	[100.0%]
B58	90.5%
B17	4.8%
	[95.2%]
Cw2	57.1%
Cw6	52.4%
	[52.4%]
Bw4	81.0%
Bw6	81.0%
Others Found	
B57	4.8%
A29	4.8%
Cw4	4.8%

Table 11. Individual laboratory results for Cell #1549

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula							*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSO SBT	
16	Askar , Medhat Z.	*01	*34	*08	*81	*07	*18	*01:01:01	*34:02:01	*08:01	*81:01:01G	*07:01	*18:01	SSO SBT	A*01:43, A*34:08
8059	Brown , Jason														
8038	Cao , Kai	*01	*34	*08	*81	*07	*18	*01:01:01G	*34:02:01	*08:01	*81:01P	*07:01P	*18:01P	SSO SBT	
774	Cecka , J. Michael	*01	*34	*08	*81	*07	*18							SSP	
8070	Chang , Uckjin	*01	*34	*08	*81	*07	*18	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SBT	
4492	Charron , Dominiqu	*01	*34	*08	*81	*07	*18							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 W.	*01	*34	*08	*81	*07	*18	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSP SSO	
779	Daniel , Claude	*01	*34	*08	*81	*07	*18							SSP SSO	
3766	Dunckley , Heather	*01	*34	*08	*81	*07	*18							SSO	
5214	Eckels/CPMC ,	*01	*34	*08	*81	*07	*18							SSO	
762	Fischer , Gottfried	*01	*34	*08	*81	*07	*18							SSP SSO SBT	
4079	Fort , Marylise	*01	*34	*08	*81	*07	*18	*01:01	*34:02:01	*08:01	*81:01	*07:01	*18:01	SSP SSO	B*08:104, C*18:02
3545	Goldstein , Steven							*01:01:01:01	*34:02	*08:01:01	*81:01	*07:01	*18:01	SSO SBT	A*01:01:01:02N, B*81:02, C*07:06/*07:18/*07:343, C*18:02
810	Hamdi , Nuha	NT												SSO	
8043	Hod , Reut	*01	*34	*08	*81	*07	*18							SSO	
771	Israel , Shoshana	*01	*34	*08	*81	*07	*18	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSO SBT	B*81:02
725	Lardy , N.M.	*01	*34	*08	*81	*07	*18							SSP SSO	
745	Latham , Katy			*08		*07		*01:01:01:01	*34:02:01		*81:01		*18:01	SSP SBT	B*81:02/*81:05
278	Lee , Jar-How	*01	*34	*08	*81	*07	*18	*01:01	*34:02	*08:01	*81:01	*07:01	*18:01	SSP SSO	
6649	Lim , Young Ae	*01	*34	*08	*81									SSP	
731	Loewenthal , Ron	*01	*34	*08	*81	*07	*18	*01:01:01	*34:02:01	*08:01:01	*81:01	*07:01	*18:01	SSP SSO SBT	B*08:01:20, B*81:02, C*18:02
759	Lopez-Cepero , Ma	*01	*34	*08	*81	*07	*18							SSP	
54	Pancoska , Carol	*01	*34	*08	*81	*07	*18								
8001	Rao , Prakash	*01	*34	*08	*81	*07	*18								
3625	Rees , Tracey	*01	*34	*08	*81	*07	*18	*01:01	*34:02	*08:01	*81:01	*07:01	NT		B*08:08N
1160	Rosen-Bronson , Sa	*01	*34	*08	*81	*07	*18	*01:01	*34:02	*08:01				SSO	A*01:43, A*34:08
793	Rubocki , Ronald	*01	*34	*08	*81	*07	*18							SSP	
4251	Schiller , Jennifer	*01	*34	*08	*81	*07	*18	*01:01	*34:02:01	*08:01	*81:01:01G	*07:01:01G	*18:01:01G	SSO SBT	
3808	Thornton , Alycia	*01	*34	*08	*81	*07	*18								
747	Tiercy , Jean-Marie	*01	*34	*08	*81	*07	*18	*01:01:01:01	*34:02:01	*08:01P	*81:01	*07:01	*18:01:01G	SSP SSO SBT	B*81:02
3186	Watson , Narelle	*01	*34	*08	*81	*07	*18								

Table 12. Individual laboratory results for Cell #1550

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula							*23:01P	*34:02	*53:01	*81:01	*04:01	*18:01	SSO SBT	A*23:17, A*23:69
16	Askar , Medhat Z.	*23	*34	*53	*81	*04	*18	*23:01:01	*34:02:01	*53:01:01	*81:01:01G	*04:01:01	*18:01	SSO SBT	A*23:17, C*04:166, C*18:04
8059	Brown , Jason														
8038	Cao , Kai	*23	*34	*53	*81	*04	*18	*23:01P	*34:02:01	*53:01:01	*81:01P	*04:01:01G	*18:01P	SSO SBT	
774	Cecka , J. Michael	*23	*34	*53	*81	*04	*18							SSP	
8070	Chang , Uckjin	*23	*34	*53	*81	*04	*18	*23:01	*34:02	*53:01	*81:01	*04:01	*18:01	SBT	
4492	Charron , Dominiqu	*23	*34	*53	*81	*04	*18							SSP	
798	Claas , F.H.J.							*23:01	*34:02:01	*53:01:01	*81:01	*04:01:01	*18:01	SBT	A*23:17/*23:69
3632	Colombe , Beth W.	*23	*34	*53	*81	*04	*18	*23:01	*34:02	*53:01	*81:01	*04:01	*18:01	SSP SSO	
779	Daniel , Claude	*23	*34	*53	*81	*04	*18							SSP SSO	
3766	Dunckley , Heather	*23	*34	*53	*81	*04	*18							SSO	
5214	Eckels/CPMC ,	*23	*34	*53	*81	*04	*18							SSO	
762	Fischer , Gottfried	*23	*34	*53	*81	*04	*18							SSP SSO SBT	
4079	Fort , Marylise	*23	*34	*53	*81	*04	*18	*23:01	*34:02:01	*53:01	*81:01	*04:01	*18:01	SSP SSO	C*18:02
3545	Goldstein , Steven							*23:01	*34:02	*53:01	*81:01	*04:01	*18:01	SSO SBT	A*23:17/*23:69, B*81:02, C*04:30/*04:82, C*18:02
810	Hamdi , Nuha							*23:35	*34:02	*53:01	*81:01	*04:01	*18:01	SSO	A*34:10N, B*81:02/*81:03, C*04:05/*04:09N/*04:12, C*18:02/*18:04/*18:06
8043	Hod , Reut	*23	*34	*53	*81	*04	*18							SSO	
771	Israel , Shoshana	*23	*34	*53	*81	*04	*18	*23:01	*34:02	*53:01	*81:01	*04:01	*18:01	SSO SBT	A*23:17, B*81:02
725	Lardy , N.M.	*23	*34	*53	*81	*04	*18							SSP SSO	
745	Latham , Katy							*23:01	*34:02:01	*53:01:01	*81:01	*04:01:01	*18:01	SSP SBT	A*23:17/*23:69, B*81:02
278	Lee , Jar-How	*23	*34	*53	*81	*04	*18	*23:01	*34:02	*53:01	*81:01	*04:01	*18:01	SSP SSO	
6649	Lim , Young Ae	*23	*34	*53	*81									SSP	
731	Loewenthal , Ron	*23	*34	*53	*81	*04	*18	*23:01:01	*34:02:01	*53:01:01	*81:01	*04:01:01	*18:01	SSP SSO SBT	A*23:17, B*81:02, C*04:30, C*18:02
759	Lopez-Cepero , Ma	*23	*34	*53	*81	*04	*18							SSP	
54	Pancoska , Carol	*23	*34	*53	*81	*04	*18								
8001	Rao , Prakash	*23	*34	*53	*81	*04	*18								
3625	Rees , Tracey	*23	*34	*53	*81	*04	*18	NT	NT	NT	NT	NT	NT		
1160	Rosen-Bronson , Sa	*23	*34	*53	*81	*04	*18	*23:01	*34:02	*53:01				SSO	A*23:17
793	Rubocki , Ronald	*23	*34	*53	*81	*04	*18							SSP	
4251	Schiller , Jennifer	*23	*34	*53	*81	*04	*18	*23:01:01G	*34:02:01	*53:01	*81:01:01G	*04:01P	*18:01:01G	SSO SBT	
3808	Thornton , Alycia	*23	*34	*53	*81	*04	*18								
747	Tiercy , Jean-Marie	*23	*34	*53	*81	*04	*18	*23:01:01	*34:02:01	*53:01:01	*81:01	*04:01:01	*18:01:01G	SSP SSO SBT	
3186	Watson , Narelle	*23	*34	*53	*81	*04	*18								

Table 13. Individual laboratory results for Cell #1551

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula							*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSO SBT	
16	Askar , Medhat Z.	*66	*68	*14	*53	*06	*08	*66:01	*68:02:01	*14:02:01	*53:01:01	*06:02:01	*08:02:01	SSO SBT	C*06:06/*06:83/*06:129, *08:05/*08:15/*08:29
8059	Brown , Jason														
8038	Cao , Kai	*66	*68	*14	*53	*06	*08	*66:01:01	*68:02:01	*14:02:01	*53:01:01	06:02P	*08:02:01	SSO SBT	
774	Cecka , J. Michael	*66	*68	*14	*53	*06	*08							SSP	
8070	Chang , Uckjin	*66	*68	*14	*53	*06	*08	*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SBT	
4492	Charron , Dominiqu	*66	*68	*14	*53	*06	*08			*14:02				SSP	B*14:03
798	Claas , F.H.J.							*66:01:01	*68:02:01	*14:02:01	*53:01:01	*06:02:01	*08:02:01	SBT	
3632	Colombe , Beth W.	*66	*68	*14	*53	*06	*08	*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSP SSO	
779	Daniel , Claude	*66	*68	*14	*53	*06	*08			*14:02				SSP SSO	
3766	Dunckley , Heather	*66	*68	*14	*53	*06	*08							SSO	
5214	Eckels/CPMC ,	*66	*68	*14(B65)	*53	*06	*08							SSO	
762	Fischer , Gottfried							*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSP SSO SBT	
4079	Fort , Marylise					*06	*08	*66:01	*68:02	*14:02	*53:01			SSP SSO	A*66:17, B*14:39, B*53:32/*53:37
3545	Goldstein , Steven							*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSO SBT	C*06:83
810	Hamdi , Nuha							*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSO	A*66:08/*66:17, B*53:27, C*06:06/*06:10, C*08:15/*08:17
8043	Hod , Reut	*66	*68	*14	*53	*06	*08							SSO	
771	Israel , Shoshana	*66	*68	*14	*53	*06	*08	*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSO SBT	
725	Lardy , N.M.	*66	*68	*14	*53	*06	*08							SSP SSO	
745	Latham , Katy							*66:01:01	*68:02:01	*14:02:01	*53:01:01	*06:02:01	*08:02:01	SSP SBT	
278	Lee , Jar-How	*66	*68	*14	*53	*06	*08	*66:01	*68:02	*14:02	*53:01	*06:02	*08:02	SSP SSO	
6649	Lim , Young Ae	*66	*68	*14	*53									SSP	
731	Loewenthal , Ron	*66	*68	*14	*53	*06	*08	*66:01:01	*68:02:01	*14:02:01	*53:01:01	*06:02:01	*08:02:01	SSP SSO SBT	
759	Lopez-Cepero , Ma	*66	*68	*14 (B65)	*53	*06	*08							SSP	
54	Pancoska , Carol	*66	*68	*14	*53	*06	*08								
8001	Rao , Prakash	*66	*68	*14 (B65)	*53	*06	*08								
3625	Rees , Tracey	*66	*68	*14	*53	*06	*08	*66:01	*68:02	NT	NT	*06:02	*08:02		C*06:83, C*08:52N
1160	Rosen-Bronson , Sa	*66	*68	*14	*53	*06	*08	*66:01	*68:02	*14:02	*53:01			SSO	
793	Rubocki , Ronald	*66	*68	*14	*53	*06	*08							SSP	
4251	Schiller , Jennifer	*66	*68	*14	*53	*06	*08	*66:01	*68:02	*14:02	*53:01	06:02:01G	*08:02	SSO SBT	
3808	Thornton , Alycia	*66	*68	*14	*53	*06	*08								
747	Tiercy , Jean-Marie	NT													
3186	Watson , Narelle	*66	*68	*14	*53	*06	*08								

Table 14. Individual laboratory results for Cell #1552

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold , Paula							*30:02	*74:01	*50:01	*58:01	*02:10	*06:02P	SSO SBT	C*06:83
16	Askar , Medhat Z.	*30	*74	*50	*58	*02	*06	*30:02:01	*74:01:01G	*50:01:01	*58:01:01	*02:10	*06:02:01	SSO SBT	B*50:13, B*58:41, C*02:05:01, C*06:83/*06:127
8059	Brown , Jason														
8038	Cao , Kai	*30	*74	*50	*58	*02	*06	*30:02:01	*74:01P	*50:01:01	*58:01:01	*02:10	*06:02P	SSO SBT	
774	Cecka , J. Michael	*30	*74	*50	*58	*02	*06							SSP	
8070	Chang , Uckjin	*30	*74	*50	*58	*02	*06	*30:02	*74:01	*50:01	*58:01	*02:02	*06:02	SBT	
4492	Charron , Dominiqu	*30	*74	*50	*58	*02	*06							SSP	
798	Claas , F.H.J.							*30:02:01	*74:01	*50:01:01	*58:01:01	*02:10	*06:02	SBT	A*74:02, C*06:83
3632	Colombe , Beth W.	*30	*74	*50	*58	*02	*06	*30:02	*74:01	*50:01	*58:01	*02:02	*06:02	SSP SSO	
779	Daniel , Claude	*30	*74	*50	*58	*02	*06							SSP SSO	
3766	Dunckley , Heather	*30	*74	*50	*58	*02	*06							SSO	
5214	Eckels/CPMC ,	*30	*74	*50	*58	*02	*06							SSO	
762	Fischer , Gottfried							*30:02	*74:01	*50:01	*58:01	*02:10	*06:02	SSP SSO SBT	
4079	Fort , Marylise					*02	*06	*30:02	*74:01	*50:01	*58:01			SSP SSO	A*30:33, A*74:02/*74:18, B*58:11/*58:31N/*50:37/*50:38/*50:39/*58:49/*58:51/*58:52
3545	Goldstein , Steven							*30:02	*74:01	*50:01	*58:01	*02:10	*06:02	SSO SBT	A*74:02, C*06:83
810	Hamdi , Nuha									*50:01	*58:01	*02:02	*06:02	SSO	B*58:11/*58:31N, C*02:07/*02:08, C*06:07/*06:08
8043	Hod , Reut	*30	*74	*50	*58	*02	*06							SSO	
771	Israel , Shoshana	*30	*74	*50	*58	*02	*06	*30:02	*74:01	*50:01	*58:01	*02:10	*06:02	SSO SBT	
725	Lardy , N.M.	*30	*74	*50	*58	*02	*06							SSP SSO	
745	Latham , Katy							*30:02:01	*74:01	*50:01:01	*58:01:01	*02:10	*06:02:01	SSP SBT	
278	Lee , Jar-How	*30	*74	*50	*58	*02	*06	*30:02	*74:01	*50:01	*58:01	*02:10	*06:02	SSP SSO	
6649	Lim , Young Ae	*30	*74	*50	*58									SSP	
731	Loewenthal , Ron	*30	*74	*50	*58	*02	*06	*30:02:01	*74:01	*50:01:01	*58:01:01	*02:10	*06:02	SSP SSO SBT	A*74:02:01, C*02:02, C*06:83
759	Lopez-Cepero , Ma	*30	*74	*50	*58	*02	*06							SSP	
54	Pancoska , Carol	*30	*74	*50	*58	*02	*06								
8001	Rao , Prakash	*30	*74	*50	*58	*02	*06								
3625	Rees , Tracey	*30	*74	*50	*58	*02	*06	NT	NT	NT	NT	NT	NT		
1160	Rosen-Bronson , Sa	*30	*74	*50	*58	*02	*06	*30:02		*50:01	*58:01			SSO	B*50:13, B*58:41
793	Rubocki , Ronald	*30	*74	*50	*58	*02	*06							SSP	
4251	Schiller , Jennifer	*30	*74	*50	*58	*02	*06	*30:02	*74:01:01G	*50:01	*58:01	*02:10	*06:02:01G	SSO SBT	
3808	Thornton , Alycia	*30	*74	*50	*58	*02	*06								
747	Tiercy , Jean-Marie	NT													
3186	Watson , Narelle	*30	*74	*50	*58	*02	*06								

Table 15. Individual laboratory results for Cell #1549-1552 by serology

Cell No 1549 (Black)												Cell No 1550 (Black)									Cell No 1551 (Mixed)										Cell No 1552 (Black)									
Investigator	Days Old	Viab %	A1	A34	B8	B81	Cw7	Cw18	Bw6	OTHERS	Viab %	A23	A34	B53	B81	Cw4	Bw4	Bw6	OTHERS	Viab %	A66	A68	B65	B53	Cw6	Cw8	Bw4	Bw6	OTHERS	Viab %	A30	A74	B50	B58	Cw2	Cw6	Bw4	Bw6	OTHERS
Askar, Medhat	2	95	+	+	+	+	+		+		95	+	+	+	+	+	+	+		95	+	A28	B14	+	+		+	+		95	+	+	+	+	+	+	+	+	
Bengochea, Ca		90	+	+	+	+			+		90	+	+		+			+		90	A34	+	+	+			+	+		90	+	+	+	+			+	+	
Cecka, J. Mic		95	+	+	+	+			+		95	+	+	+	+		+	+		95	+	+	+	+			+	+		95	+	+	+	+			+	+	
Charron, Domi		97	+	+	+	+					100	+	+	+	+					98	A10	+	B14	+						100	+	+	+	B17					
Claas, F.H.J.	6	90	+	+	+	+			+		90	+	+	+	+	+	+	+		90	A10	+	B14	+			+	+		90	+	A19	+	+	+		+	+	
Dunckley, Hea		95	+	+	+	+					95	+	+	+	+					95	+	+	+	+						95	+	+	+	+					
Enczmann, J		85	+	+	+	+					85	+	+	+	+					70	+	+	+	+						85	+	+	+	+					
Fort, Marylis	3	95	+	+	+	+			+		95	+	+	+	+		+	+																				
Hahn, Amy B.	8	99	+	+	+	+	+		+	Cw6	90	+	+	+	+	+	+	+	Cw6	95	+	+	+	+	+	+	+	+		99	+	+	+	+	+	+	+	+	
Kvam, Vonnett	7	90	+	+	+	+	+	+	+		85	+	+	+	+	+	+	+		85	+	A28	+	+	+	+	+	+		88	+	+	+	+	+	+	+	+	
Latham, Katy	3	80	+	+	+	+			+		80	+	+	+	+		+	+		80	+	+	B14	+			+	+		80	+	+	+	+			+	+	
Loewenthal ,		80	+	+	+	+	+		+		70	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+	
McCoy, Heathe		99	+	+	+	+	+		+		99	+	+	+	+	+	+	+		99	+	+	+	+	+	+	+	+		99	+	+	+	+	+	+	+	+	
Pancoska, Car		98	+	+	+	+					98	+	+	+	+					97	+	+	+	+					A6601	97	+	+	+	+					
Permpikul, Ve	6	90	+	+	+	+			+		90	+	A66	+	B7		+	+		90	+	A28	B14	+			+	+		90	+	+	+	+			+	+	
Rees, Tracey	6	80	+	+	+	+	+		+		80	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+	
Renac, Virgin	3	100	+	A10	+	+			+		100	+	A10	+	+		+	+		100	A10	A28	B14	+			+	+		100	+	+	B21	+			+	+	
Rosen-Bronson	3	80	+	+	+	+	+		+		80	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+		80	+	+	+	+	+	+	+	+	
Rubocki, Rona	2	98	+	+	+	+	+		+	B7	98	+	+	+	B7	+	+	+		98	+	A28	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+	
Shai, Isaac	8	86	+	+	+	B7	+		+	Cw4>	88	+	+	+	B7	+	+	+	Cw6>	82	A26	A28	+	+	+	+	+	+	Cw4	88	+	+	+	B57	+	+	+	+	Cw4>
Thornton, Aly	7	90	+	+	+	+	+		+		90	+	+	+	+	+	+	+		90	+	+	B64	+	+	+	+	+		90	+	+	+	+	+	+	+	+	
Tiercy, Jean-	6	90	+	+	+	+			+		90	+	+	+	+		+	+																				
Vidan-Jeras,	6	95	+	+	+	+	+		+		98	+	+	+	+	+	+	+		95	+	+	+	+	+	+	+	+		100	+	+	+	+	+	+	+	+	
Watson, Narel	14	80	+	+	+	+			+		80	+	+	+	+		+	+		80	A10	+	+	+			+	+											

Serum Exchange #546

The results for **Serum Exchange 546** (**sera 1177 - 1180**), are summarized in Tables 16-21 and individual laboratory results by method are listed in Tables 22-32. Sera strongly positive to B8, A1, and A24 were examined in this study.

1177	method	#labs	B8	B7	B39	B41	B42	B45	B50	B55	B56	B59	B61	B35	B62	B71	B48	B18	B54	B67	B60	B72
	NIH-Std	4	100																			
	NIH-Ext	3	100																			
	AHG	3	100	67	33	33	33	33	33	33	33		33		33							
	Luminex	23	100	91	96	100	100	100	100	100	100	100	96	100	96	96	96	91	100	100	96	96
	Flow	1	no specificities assigned																			
	ELISA	2	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100	100	50	100	100
	C1q	2	100	100								100				100						
	Other	2			50	50	50	50	50					50			50	50				
1177	method	#labs	B75	B78	B65	B64	B81	B8101	B27	B2708	B76	B82	B73	Cw7	Cw9	Cw1	Cw10	Cw8	B46	Bw6	A11	
	Luminex	23	96	91	87	78	87	22	65	35	96	87	61	65	52	48	39	22	43	26		
	ELISA	2	100	100	100	100	100		100												50	

	Class II						
1177	method	#labs	NEG	DR12	DQ6	DR53	
	NIH-Ext	1	no specificities assigned				
	Luminex	11	55	45	18	18	
	Flow	1	no specificities assigned				
	Other	2	100				

Sample 1177 was reported to be strongly positive to B8 by all methods. Anti -B39, -B45, -B50, and -B59 reactivity, along with reactivity to 7C and 8C specificities, was reported by various methods. In addition, Luminex reported reactivity to a number of C-locus specificities (Cw1, Cw7, Cw8, Cw9, and Cw10). Class II results for this sample were mixed. Flow, Luminex PRA, and nearly half (45%) of the Luminex labs reported this sample as negative for class II, while another 55% of the Luminex labs reported class II reactivity to DR12. Allele specific reactivity to DRB1*12:02 was reported by 1 of the Luminex labs.

For **sample 1178**, reactivity to B8 was detected strongly by NIH-standard, NIH-extended, and C1q. By contrast, only 3 out of 23 Luminex labs reported anti-B8 reactivity. This suggests that the B8 specific antibodies present in this sample are likely IgM, as noted by several labs. Additional A-locus reactivity (A2, A23, A24, A68, and A69) was reported by various methods. Reactivity to Cw2, Cw4, and Cw12 was also reported by C1q. This sample was reported as negative for class II.

1178	method	#labs	B8	A68	A69	A2	A203	A23	A24	A2403	A28	Cw2	Cw4	Cw12	B37	B64
	NIH-Std	4	100													25
	NIH-Ext	3	67													
	AHG	3	33	33		33					33					
	Luminex	23	14	100	100	100	18	77	77	14						
	Flow	1	no specificities assigned													
	ELISA	2	50	50	50			50							100	
	C1q	2	100									50	50	50		
	Other	2		50	50	50										

	Class II						
1178	method	#labs	NEG				
	NIH-Ext	1	no specificities assigned				
	Luminex	10	90				
	Flow	1	no specificities assigned				
	Other	2	100				

1179	method	#labs	A1	B8	A36	A23	A24	B18	A80	B65	B64	A34	A26	A29	B37	B59	B76	B38	B39	B42	B46	
	NIH-Std	4	80	100	20				20													
	NIH-Ext	3	100	67	33	33	33	33		33												
	AHG	3	67	33	33	67	67	67		67	33	33	33	33								
	Luminex	23	100	91	96	96	96	96	91	87	83	96	91	96	96	100	96	96	87	96	96	
	Flow	1		no specificities assigned																		
	ELISA	2	100	100	100	100	100	100	100	100	100	100	100	100	100	100		100	100	100	100	
	C1q	2	100	100	100	100	100	100	100	100	100	100			100	100	100					
	Other	2	50	50	50	50	50	50	50													
1179	method	#labs	B54	B55	B41	B44	B45	A25	A11	B75	B78	B51	A43	A33	A68	A69	A66	A6601	B82	B67	B35	B77
	Luminex	23	96	96	91	91	91	87	87	87	52	91	100	96	96	96	61	39	78	52	39	39
	ELISA	2	100	100	100	100	100	100	100	100	100											

Sample 1179 was found to be positive to A1, B8, and A36 by all methods, except flow. Additional reactivity to A26, A34, B18, B37, and B76, as well as reactivity to 1C and 8C specificities, was reported by various methods. Luminex and Elisa also detected strong anti-A11, -A25, -B39, -B44, and -B45 reactivity, including reactivity 5C and 7C specificities. Reactivity to a number of 10C specificities was also reported by Luminex. Class II reactivity to DQ2 and a number of DR specificities (DR7, DR13, DR17, DR18, and DR52) was reported by various methods. In addition, Luminex reported DP reactivity, as well as allele specific reactivity to DQA1*05.

	Class II																											
1179	method	#labs	DQ2	DR52	DR13	DR17	DR18	DR7	DQ7	DQ5	DQ4	DQ8	DQ9	DR11	DR14	DR9	DP14	DP17	DP9	DPw5	DR12	DP10	DP13	DPw1	DP19	DP28	DPw6	DR3
	NIH-Ext	1	100																									
	Luminex	20	100	90	95	90	90	95	45	25	10	5	5	95	95	45	30	25	25	25	25	15	15	15	10	10	10	10
	Flow	1	no specificities assigned																									
	C1q	1	100	100	100	100	100																					
	Other	2	50	50				50																				

	Class II							
1180	method	#labs	DQ2	DQ7	DQ4	DQ5	DQ8	DQ9
	NIH-Ext	1	100	100				
	Luminex	19	100	95	95	95	89	89
	Flow	1	no specificities assigned					
	C1q	1	100	100	100	100	100	100
	Other	2	50	50	50	50	50	50

For **sample 1180**, strong reactivity to A1, A24, and B8 was reported by all methods. Additional reactivity to a number of 1C and 5C specificities, along with anti-B54, -B56, and –B59 reactivity, was reported by various methods. Class II reactivity to DQ2 and DQ7 was reported by Luminex, 1 NIH-extended lab, and 1 C1q lab. Additional DQ reactivity (DQ4, DQ5, DQ8, and DQ9) was also reported by Luminex and C1q.

1180	method	#labs	A24	B8	A1	A23	A36	A11	A1102	A3	B62	A80	B59	B35	B46	B56	B50	B51	B53	B54	B72	B75
	NIH-Std	4	100	100	50	25																
	NIH-Ext	3	100	100	67																	
	AHG	3	100	67	100	67	67	33		33	33			33								
	Luminex	23	95	91	100	95	95	83	30	95	91	83	100	91	100	95	91	91	91	91	91	91
	Flow	1	no specificities assigned																			
	ELISA	2	100	100	100	100	100	100		100	100	100	100	100	100	100	100	100	100	50	100	100
	C1q	2	100	100	100	100	100	100		100	100	100	100									
	Other	2	50	50	50	50	50	50		50		50										
1180	method	#labs	B49	B63	B71	B76	B78	B18	B64	B65	B77	B52	A68	A69	A2	B48	B58	B57	B41	B55	B45	
	Luminex	23	83	83	83	78	78	65	48	70	91	83	91	78	74	61	61	48	48	43	39	
	ELISA	2	100	100	100	100	100	50	50													

Table 16. Summary of the 546th Serum Exchange (Serum #1177-1180) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard

*** Serum 1177 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	65%

*** Serum 1178 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	87%
B64	25%	50%

*** Serum 1179 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	97%
A1	80%	100%
A36	20%	100%
A80	20%	100%

*** Serum 1180 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
A24	100%	94%
B8	100%	80%
A1	50%	100%
A23	25%	100%

Method: NIH-Extended

*** Serum 1177 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	75%

*** Serum 1178 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	100%

*** Serum 1179 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
B8	67%	100%
A23	33%	100%
A24	33%	100%
A36	33%	100%
B18	33%	100%
B65	33%	100%

*** Serum 1180 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
A24	100%	90%
B8	100%	75%
A1	67%	75%

Table 17. Summary of the 546th Serum Exchange (Serum #1177-1180) by Antiglobuline, C1q, and Other - class I

Method: Antiglobulin

*** Serum 1177 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	100%
B7	67%	75%
B39	33%	100%
B41	33%	100%
B42	33%	100%
B45	33%	100%
B50	33%	100%
B55	33%	100%
B56	33%	100%
B61	33%	100%
B62	33%	100%

*** Serum 1178 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
A2	33%	100%
A28	33%	100%
A68	33%	100%
B8	33%	100%

*** Serum 1179 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
A1	67%	100%
A23	67%	100%
A24	67%	100%
B18	67%	100%
B65	67%	86%
A26	33%	100%
A29	33%	100%
A34	33%	100%
A36	33%	100%
B64	33%	100%
B8	33%	100%

*** Serum 1180 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A24	100%	96%
A23	67%	100%
B8	67%	100%
A36	67%	67%
A11	33%	100%
B35	33%	100%
B62	33%	100%
A3	33%	90%

Method: C1q

*** Serum 1177 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B59	100%	100%
B7	100%	100%
B71	100%	100%
B8	100%	100%

*** Serum 1178 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B8	100%	100%
Cw12	50%	100%
Cw2	50%	100%
Cw4	50%	100%

*** Serum 1179 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A23	100%	100%
A24	100%	100%
A36	100%	100%
A80	100%	100%
B18	100%	100%
B37	100%	100%
B59	100%	100%
B64	100%	100%
B65	100%	100%
B76	100%	100%
B8	100%	100%

*** Serum 1180 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A11	100%	100%
A23	100%	100%
A24	100%	100%
A3	100%	100%
A36	100%	100%
A80	100%	100%
B59	100%	100%
B62	100%	100%
B76	100%	100%
B8	100%	100%

Method: Other

*** Serum 1177 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1178 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1179 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1180 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

Table 18. Summary of the 546th Serum Exchange (Serum #1177-1180) by Luminex - class I

*** Serum 1177 ***		
23 typing Labs		
Antigen	Consensus	Inclusion
B35	100%	100%
B41	100%	100%
B42	100%	100%
B45	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B59	100%	100%
B67	100%	100%
B8	100%	100%
B50	100%	80%
B39	96%	100%
B60	96%	100%
B61	96%	100%
B62	96%	100%
B71	96%	100%
B72	96%	100%
B75	96%	100%
B76	96%	100%
B48	96%	80%
B18	91%	100%
B7	91%	100%
B78	91%	80%
B82	87%	100%
B65	87%	80%
B81	87%	80%
B64	78%	100%
B27	65%	67%
CW7	65%	100%
B73	61%	100%
CW9	52%	100%
CW1	48%	100%
B46	43%	100%
CW10	39%	100%
B2708	35%	100%
BW6	26%	100%
B8101	22%	100%
CW8	22%	100%

*** Serum 1178 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A2	100%	100%
A69	100%	100%
A68	100%	92%
A23	77%	100%
A24	77%	83%
A203	18%	100%
A2403	14%	100%
B8	14%	100%

*** Serum 1179 ***		
23 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A43	100%	100%
B59	100%	100%
A23	96%	100%
A29	96%	100%
A33	96%	100%
A34	96%	100%
A36	96%	100%
A68	96%	100%
A69	96%	100%
B18	96%	100%
B37	96%	100%
B38	96%	100%
B42	96%	100%
B46	96%	100%
B54	96%	100%
B55	96%	100%
B76	96%	100%
A24	96%	86%
A26	91%	100%
A80	91%	100%
B41	91%	100%
B45	91%	100%
B8	91%	100%
B44	91%	88%
B51	91%	67%
A25	87%	100%
B39	87%	100%
B65	87%	100%
B75	87%	100%
A11	83%	100%
B64	83%	100%
B82	78%	100%
A66	61%	50%
B67	52%	100%
B78	52%	100%
A6601	39%	100%
B35	39%	100%
B77	39%	100%

*** Serum 1180 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
B46	100%	100%
B59	100%	100%
A23	95%	100%
A3	95%	100%
A36	95%	100%
B56	95%	100%
A24	95%	93%
B35	91%	100%
B50	91%	100%
B51	91%	100%
B53	91%	100%
B54	91%	100%
B62	91%	100%
B72	91%	100%
B77	91%	100%
B8	91%	100%
B75	91%	88%
A68	91%	75%
A11	83%	100%
A80	83%	100%
B49	83%	100%
B52	83%	100%
B63	83%	100%
B71	83%	100%
B76	78%	100%
B78	78%	100%
A69	78%	75%
A2	74%	89%
B65	70%	100%
B18	65%	80%
B48	61%	100%
B58	61%	33%
B41	48%	100%
B57	48%	100%
B64	48%	100%
B55	43%	100%
B45	39%	100%
A1102	30%	100%

Table 19. Summary of the 546th Serum Exchange (Serum #1177-1180) by Flow Cytometry and ELISA - class I

Method: Flow Cytometry

*** Serum 1177 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1178 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1179 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1180 ***		
1 typing Labs		
Antigen	Consensus	Inclusion
no consensus		

Method: ELISA

*** Serum 1177 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B18	100%	100%
B35	100%	100%
B39	100%	100%
B41	100%	100%
B42	100%	100%
B45	100%	100%
B48	100%	100%
B50	100%	100%
B54	100%	100%
B55	100%	100%
B59	100%	100%
B60	100%	100%
B61	100%	100%
B62	100%	100%
B64	100%	100%
B65	100%	100%
B7	100%	100%
B71	100%	100%
B72	100%	100%
B75	100%	100%
B78	100%	100%
B8	100%	100%
B81	100%	100%
B27	100%	50%
B56	50%	100%
B67	50%	100%
A11	50%	50%

*** Serum 1178 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B37	100%	100%
A23	50%	100%
A68	50%	100%
A69	50%	100%
B8	50%	100%

*** Serum 1179 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A23	100%	100%
A29	100%	100%
A36	100%	100%
A80	100%	100%
B18	100%	100%
B37	100%	100%
B38	100%	100%
B39	100%	100%
B41	100%	100%
B42	100%	100%
B46	100%	100%
B54	100%	100%
B55	100%	100%
B59	100%	100%
B64	100%	100%
B65	100%	100%
B78	100%	100%
B8	100%	100%
A26	100%	75%
B45	100%	75%
A24	100%	50%
A25	50%	100%
A34	50%	100%
B75	50%	100%
A11	50%	50%
B44	50%	50%

*** Serum 1180 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A11	100%	100%
A23	100%	100%
A24	100%	100%
A3	100%	100%
A36	100%	100%
A80	100%	100%
B35	100%	100%
B46	100%	100%
B49	100%	100%
B50	100%	100%
B53	100%	100%
B56	100%	100%
B59	100%	100%
B62	100%	100%
B63	100%	100%
B71	100%	100%
B72	100%	100%
B75	100%	100%
B78	100%	100%
B8	100%	100%
B51	100%	50%
B54	50%	100%
B18	50%	50%
B64	50%	50%

Table 20. Summary of the 546th Serum Exchange (Serum #1177-1180) by NIH-Ext, Flow, C1q, and Other - class II

Method: NIH-Extended

*** Serum 1177 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1178 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1179 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1180 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

Method: Flow Cytometry

*** Serum 1177 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1178 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1179 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1180 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

Method: C1q

*** Serum 1177 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1178 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1179 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1180 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

Method: Other

*** Serum 1177 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1178 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1179 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
DQ2	50%	100%
DR52	50%	100%
DR7	50%	100%

*** Serum 1180 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
DQ2	50%	100%
DQ4	50%	100%
DQ5	50%	100%
DQ7	50%	100%
DQ8	50%	100%
DQ9	50%	100%

Table 21. Summary of the 546th Serum Exchange (Serum #1177-1180) by Luminex- class II

*** Serum 1177 ***		
11 typing Labs		
Antigen	Consensus	Inclusion
DR12	45%	75%
DQ6	18%	100%
DR53	18%	100%
DQ5	9%	100%
DR10	9%	100%
DR15	9%	100%
DR16	9%	100%
DPW1	9%	50%
DR14	9%	50%
DR51	9%	50%
DR9	9%	50%

*** Serum 1178 ***		
10 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1179 ***		
20 typing Labs		
Antigen	Consensus	Inclusion
DQ2	100%	100%
DR11	95%	100%
DR13	95%	100%
DR14	95%	100%
DR7	95%	100%
DR17	90%	100%
DR18	90%	100%
DR52	90%	100%
DQ7	45%	80%
DR9	45%	50%
DP14	30%	100%
DP17	25%	100%
DP9	25%	100%
DPW5	25%	100%
DQ5	25%	100%
DR12	25%	100%
DP10	15%	100%
DP13	15%	100%
DPW1	15%	100%
DP19	10%	100%
DP28	10%	100%
DPW6	10%	100%
DR3	10%	100%
DQ4	10%	75%
DPW3	5%	100%
DPW4	5%	100%
DQ8	5%	67%
DQ9	5%	67%

*** Serum 1180 ***		
19 typing Labs		
Antigen	Consensus	Inclusion
DQ2	100%	100%
DQ4	95%	82%
DQ7	95%	82%
DQ5	95%	72%
DQ9	89%	90%
DQ8	89%	88%
DQ1	5%	100%
DQ3	5%	100%
DQ6	5%	100%
DR11	5%	100%
DR13	5%	100%
DR14	5%	100%
DR17	5%	100%
DR18	5%	100%
DR52	5%	100%
DR7	5%	100%

Table 22. Individual laboratory results for Serum #1177-#1180 by NIH-Standard and NIH-Extended

	**** Serum 1177 ****			**** Serum 1178 ****				**** Serum 1179 ****						**** Serum 1180 ****						
Investigator	% POS	B8	Other	% POS	B8	B64	Other	% POS	B8	A1	A36	A80	Other	% POS	A24	B8	A1	A23	Other	Method
Claas, F.H.J.	25	+		21	+			42	+	+	+			54	+	+	+			STD
Fort, Marylise								14	+	+		+		NT						STD
Thornton, Alycia		+			+				+						+	+				STD
Vasilescu, Rodica	6	+		5	+			17	+	+				22	+	+	+	+		STD
Watson, Narelle	21	+		28	+	+		39	+	+				40	+	+				STD

	**** Serum 1177 ****			**** Serum 1178 ****				**** Serum 1179 ****						**** Serum 1180 ****						
Investigator	% POS	B8	Other	% POS	B8		Other	% POS	A1	B8			Other	% POS	A24	B8	A1		Other	Method
Dunn, Paul		+			+				+	+			A24,A23,B65,B18		+	+	+			EXT
Lardy, N.M.	12	+		23	+			35	+	+			A36	40	+	+	+			EXT
Reed, Elaine F. PhD	3	+		3	+			20	+					20	+	+				EXT

Table 23. Individual laboratory results for Serum #1177-#1180 by Antiglobulin, C1q, and Other

	**** Serum 1177 ****										**** Serum 1178 ****						**** Serum 1179 ****													**** Serum 1180 ****														
Investigator	% POS	B8	B7	B39	B41	B42	B45	B50	B55	Other	% POS	B8	A2	A28	A68	Other	% POS	A1	A23	A24	B18	B65	A26	A29	A66	A34	A36	B37	B13	Other	% POS	A1	A24	A23	B8	A36	A11	A3	B35	B62			Other	Method
Cecka, J. Michael P	82	+	+	+	+	+	+	+	+	B60>	47		+	+	+		80	+	+	+	+	+	+	+	+	+	+			B64	72	+	+	+		+	+	+	+	+				AHG
Hahn, Amy B. PhD		+	+																			+						+	+	B35>		+	+		+	+							AHG
Vasilescu, Rodica	10	+									6	+					30	+	+	+	+									B8	22	+	+	+	+									AHG

AHG=Antiglobulin

	**** Serum 1177 ****										**** Serum 1178 ****						**** Serum 1179 ****														**** Serum 1180 ****														
Investigator	% POS	B8	B7	B71	B59					Other	% POS	B8				Other	% POS	A1	A23	A24	A36	A80	B18	B8	B37	B59	B64	B65	B76	Other	% POS	A1	A23	A24	B8	A36	A11	A3	A80	B59	B62	B76	Other	Method
Phelan, Donna L.		+	+	+	+							+						+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		C1q
Vasilescu, Rodica		+	+	+	+							+				CW4>		+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		C1q

	**** Serum 1177 ****										**** Serum 1178 ****						**** Serum 1179 ****														**** Serum 1180 ****														
Investigator	% POS	B18	B35	B39	B41	B42	B45	B48	B50	Other	% POS	A2	A68	A69		Other	% POS	A1	A23	A24	A36	A80	B18	B8								% POS	A1	A23	A24	B8	A36	A11	A3	A80				Other	Method
Phelan, Donna L.	87										44						89														89														Other
Reed, Elaine F. PhD	88	+	+	+	+	+	+	+	+	B60>	52	+	+	+			90	+	+	+	+	+	+	+							88	+	+	+	+	+	+	+	+					Other

Other=Luminex PRA

Table 24. Individual laboratory results for Serum #1177 by Luminex

	**** Serum 1177 ****																																							
Investigator	% POS	B35	B41	B42	B45	B54	B55	B56	B59	B67	B8	B50	B39	B60	B61	B62	B71	B72	B75	B76	B48	B18	B7	B78	B82	B65	B81	B64	B27	CW7	B73	CW9	CW1	B46	CW10	B2708	BW6	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+		B8101,B7801,B8201>	LMX
Bengochea, Carrett	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+								+	B14,B8101	LMX
Cecka, J. Michael P	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+	+	+	+	+	+		B8101,B7801,B8201	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B8101,CW8	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+		+	+		LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			B63,CW8,CW14,CW16	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		LMX
Hamdi, Nuha	87	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		+	+	+		+		+			B13,B47,B77	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		CW8,CW14,CW16	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+									+		B14	LMX
Libyh/Roulin, Tabary	53	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+			+		+		+	+	+	+	+	+	+	+	B63,B8101,B7801>	LMX
Martinho, Paiva &		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+											B13,B77	LMX
McCoy, Heather	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									LMX
Pancoska, Carol Ph	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Permpikul, Vejbaesy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Pule, Ziningi	32	+	+	+	+	+	+	+	+	+	+	+									+	+	+	+	+		+		+									B40,B15,B14	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+				+			LMX
Rosen-Bronson, Sa		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									B703	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				CW8	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	CW8,CW14,CW16	LMX

Table 25. Individual laboratory results for Serum #1178 by Luminex

	**** Serum 1178 ****										
Investigator	% POS	A2	A69	A68	A23	A24	A203	A2403	B8	Other	Method
Arnold, Paula PhD		+	+	+			+				LMX
Bengochea, Carrett	11	+	+	+	+	+			+		LMX
Cecka, J. Michael P	40	+	+	+							LMX
Chen, Dong-Feng P		+	+	+	+	+		+			LMX
Dunn, Paul		+	+	+	+	+	+	+			LMX
Eckels/CPMC,		+	+	+							LMX
Fort, Marylise		+	+	+	+	+				B76	LMX
Hahn, Amy B. PhD		+	+	+	+	+				A2C	LMX
Hamdi, Nuha	38	+	+	+	+	+				A74	LMX
Holdsworth, Rhonda		+	+	+	+	+					LMX
Lardy, N.M.		+	+	+							LMX
Libyh/Roulin, Tabary	31	+	+	+	+	+	+	+		B76	LMX
Martinho, Paiva &		+	+	+	+	+				A74	LMX
McCoy, Heather	9	+	+	+	+	+					LMX
Pancoska, Carol Ph	9	+	+	+	+	+					LMX
Permpikul, Vejbaesy		+	+	+	+	+					LMX
Phelan, Donna L.											LMX
Pule, Ziningi	29	+	+	+	+	+			+	B15,B48,B13,B57 >	LMX
Reed, Elaine F. PhD		+	+	+							LMX
Rosen-Bronson, Sa		+	+	+	+	+					LMX
Thornton, Alycia		+	+	+	+	+	+				LMX
Vasilescu, Rodica		+	+	+	+	+					LMX
Vather, Kuben		+	+	+	+	+			+	B57	LMX

Table 26. Individual laboratory results for Serum #1179 by Luminex

	**** Serum 1179 ****																																					
Investigator	% POS	A1	A43	B59	A23	A29	A33	A34	A36	A68	A69	B18	B37	B38	B42	B46	B54	B55	B76	A24	A26	A80	B41	B45	B8	B44	B51	A25	B39	B65	B75	A11	B64	B82	A66	B67	B78	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+					A1101,A1102,B39	LMX
Bengochea, Carretto	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B7801,A6601	LMX
Cecka, J. Michael P	75	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+		B53,A30,B77,B35	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,A30,B77,B35	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	A6601	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A30,B77,B35	LMX
Hamdi, Nuha	58	+	+	+								+							+	+							+				+	+						B49,B50,B13,B53	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,A30,B77	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				+					+				B14	LMX
Libyh/Roulin, Tabary	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+			+		B7801,A1101,A11	LMX
Martinho, Paiva &		+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+			+	+		+	+	+	+	+	+	+		+	+	+	+	B62,B13,B27,B53	LMX
McCoy, Heather	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Pancoska, Carol Ph	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Permpikul, Vejbaesy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Pule, Ziningi	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+			+		+	+		+	B15,B14	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	A6601,A*24:02	LMX
Rosen-Bronson, Sai		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,A30,B77	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	A1101,A1102	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+		+		B53,A30,B77,B35	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,A30,B77	LMX

Table 27. Individual laboratory results for Serum #1180 by Luminex

		**** Serum 1180 ****																																						
Investigator	% POS	A1	B46	B59	A23	A3	A36	B56	A24	B35	B50	B51	B53	B54	B62	B72	B77	B8	B75	A68	A11	A80	B49	B52	B63	B71	B76	B78	A69	A2	B65	B18	B48	B58	B41	B57	B64	B55	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											A2403,B7801,A1101>	LMX
Bengochea, Carrett	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+									A2403,A1101,A1102	LMX
Cecka, J. Michael P	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+						LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	A203,A2403,B7801,A1101>	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B45,A2403,A1101,A1102	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			LMX
Fort, Marylise																																								LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B45	LMX
Hamdi, Nuha	89	+	+	+	+		+		+			+		+	+	+	+		+	+	+							+	+		+				+			+	A66,B13,B44,B27 >	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B45,B39,B42	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+		+		+	+	+	+	+		+	+	+		+	+	+													LMX
Libyh/Roulin, Tabar	78	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	A203,B45,A2403,B7801 >	LMX
Martinho, Paiva &		+	+	+		+		+						+							+										+		+					+	B13,B7,B45,A43 >	LMX
McCoy, Heather	36	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+		+	+	+		+												LMX
Pancoska, Carol Ph	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Permpikul, Vejbaes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
Pule, Ziningi	37	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+	+		+	+				+	+	+									B15	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX
Rosen-Bronson, Sa		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B45,B39	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+		A2403,A1102	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60,B45,A2403,A1102 >	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B45,B39	LMX

Table 28. Individual laboratory results for Serum #1177-#1180 by ELISA and Flow Cytometry

	**** Serum 1177 ****																											**** Serum 1178 ****																									
Investigator	% POS	B18	B35	B39	B41	B42	B45	B48	B50	B54	B55	B59	B60	B61	B62	B64	B65	B7	B71	B72	B75	B78	B8	B81	B27	Other	% POS	B37	A23	A68	A69	B8																			Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11>		+	+																					Elisa
McCoy, Heather	6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67	5	+		+	+	+																			Elisa
Eckels/CPMC,	87																										53																								FC

FC=Flow Cytometry

	**** Serum 1179 ****																											**** Serum 1180 ****																									
Investigator	% POS	A1	A23	A29	A36	A80	B18	B37	B38	B39	B41	B42	B46	B54	B55	B59	B64	B65	B78	B8	A26	B45	A24			Other	% POS	A1	A11	A23	A24	A3	A36	A80	B35	B46	B49	B50	B53	B56	B59	B62	B63	B71	B72	B75	B78	B8	B51	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			A11>		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			Elisa
McCoy, Heather	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			B44>	11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54>	Elisa
Eckels/CPMC,	96																										96																								FC

Table 29. Individual laboratory results for Serum #1177-#1180 by Luminex - class II

	**** Serum 1177 ****					**** Serum 1178 ****				**** Serum 1179 ****																			**** Serum 1180 ****								
Investigator	% POS	DR12	DQ6	DR53	Other	% POS	no antigens assigned			% POS	DQ2	DR11	DR13	DR14	DR7	DR17	DR18	DR52	DQ7	DR9	DP14	DP17	DP9	DPw5	DQ5	DR12	DP10	DP13	DPw1	Other	% POS	DQ2	DQ4	DQ5	DQ7	DQ9	DQ8	Other	Method
Arnold, Paula PhD	0					0					+	+	+	+	+	+	+	+	+												+	+	+	+	+	+		LMX
Bengochea, Carretto										38	+	+	+	+	+			+	+	+	+	+		+				+	+	DR3,DQ4 >	38	+	+	+	+	+	+	DQ1,DQ6	LMX
Cecka, J. Michael Pl	0					0				80	+	+	+	+	+	+	+	+													83	+	+	+	+	+	+		LMX
Chen, Dong-Feng P											+	+	+	+	+	+	+	+		+										DQA1*05, DPA1*02:01		+	+	+	+	+	+		LMX
Dunn, Paul		+									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DPw3,DPw6		+	+	+	+	+	+		LMX
Eckels/CPMC,											+	+	+	+	+	+	+	+	+											DQA1*05:03/* 05:05		+	+	+	+	+	+		LMX
Fort, Marylise											+	+	+	+	+	+	+	+	+	+					+				+									LMX
Hahn, Amy B. PhD		+									+	+	+	+	+	+	+	+		+											+	+	+	+	+	+		LMX
Hamdi, Nuha	0	+	+	+	DR9,DR10>	0				71	+								+						+					DQ4,DQ8>	83	+			+			DR7>	LMX
Holdsworth, Rhonda					DRB1*12:02	0					+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+		DRB1*09:01, DQB1*05:01, DQA1*05, DPA1*02		+	+	+	+	+	+		LMX
Libyh/Roulin, Tabary	0					0				83	+	+	+	+	+	+	+	+													83	+	+	+	+	+	+		LMX
Pancoska, Carol Ph	0					0				38	+	+	+	+	+	+	+	+	+												23	+	+	+	+	+	+		LMX
Permpikul, Vejbaesy											+	+	+	+	+	+	+	+														+	+	+	+	+	+		LMX
Phelan, Donna L.											+	+	+	+	+	+	+	+	+													+	+	+	+	+	+		LMX
Pule, Ziningi	1		+			1				40	+	+	+	+	+	+	+									+				DR3	28	+	+	+				DQ3	LMX
Reed, Elaine F. PhD	0					0					+	+	+	+	+	+	+	+												DQA1*05		+	+	+	+	+	+		LMX
Rosen-Bronson, Sar						0					+	+	+	+	+	+	+	+						+						DQA1*05		+	+	+	+	+	+		LMX
Thornton, Alycia											+	+	+	+	+	+	+	+		+	+	+				+		+		DP19,DP28		+	+	+	+	+	+		LMX
Vather, Kuben		+		+		0					+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+				+	+	+	+	+	+		LMX
Vather, Nelson/		+									+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	DPw6		+	+	+	+	+	+		LMX

Table 30. Individual laboratory results for Serum #1177-#1180 by Flow Cytometry, NIH-Extended, Other, and C1q - class II

	**** Serum 1177 ****		**** Serum 1178 ****		**** Serum 1179 ****								**** Serum 1180 ****							
Investigator	% POS	no antigens assigned	% POS	no antigens assigned	% POS	DQ2	DR52	DR7	DR13	DR17	DR18		Other	% POS	DQ2	DQ4	DQ7	DQ5	DQ8	DQ9	Other	Method
Eckels/CPMC,	0		0		83									96								FC
Reed, Elaine F. PhD	15		11		74	+								32	+		+					EXT
Reed, Elaine F. PhD	0		0		63	+	+	+						93	+	+	+	+	+	+		Other
Phelan, Donna L.	0		0		86									83								Other
Phelan, Donna L.						+	+		+	+	+				+	+	+	+	+	+		C1q

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