REPORT OF THE 386th CELL EXCHANGE
MAY 6, 2015

B-cell Lines	**513-514**
Cells	**1541-1544**
Serum	**1169-1172**

B-cell Line Exchange #257

The results for B-cell Line Exchange #257 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 **Eric Mickelson and John Hansen, Fred Hutchinson Cancer Research Center**, for providing us with the many interesting workshop cells typed in our exchange studies over the years.

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

Ter-513. The consensus type for this sample is DRB1*04:05-DRB1*08:07-DRB4*01:03-DQA1*03-DQA1*04:01-DQB1*03:02-DQB1*04:02-DPA1*01:03-DPB1*04:01-DPB1*04:02-A*02:05-A*31:01-B*35:04-B*49:01-C*04:01-C*07:01. One likely association in this cell may be A*02:05-B*49:01-C*07:01-DRB1*04:05-DQB1*03:02, observed in Hispanics, with HF=0.00094. The other likely association may then be A*31:01-B*35:04-C*04:01-DRB1*08:07-DQB1*04:02. The B*35:04-C*04:01 association in this cell is observed exclusively in Hispanics, with HF=0.00050.

This cell is FH41, a reference cell for DRB1*08:07. It was studied in the workshops as IHW#9429. No ethnic information was provided for this cell in the workshop data, however the IMGT database does list its ethnic origin as “Caucasoid – Brazil, South America.” This cell was typed previously in the Exchange as Ter 414 (2008) and Ter 323 (2003), as astutely noted by Rao and Tiercy. In this present typing, DRB1*08:07 was well typed by 97%, an increase from a detection level of 75% in 2008. This is the only DRB1*08:07 cell typed in the exchange. DRB1*04:05 (94%) was reported as the second DRB1 allele, with 8 labs assigning DRB1*04:05:01. DQB1*03:02 (97%) and DQB1*04:02 (94%) were well assigned, with 6 labs reporting DQB1*03:02:01 and 5 labs reporting DQB1*04:02:01. The DQA1 types were DQA1*04:01, assigned in complete consensus, and DQA1*03, which was not as well defined, as 15 labs assigned DQA1*03:03, 6 labs assigned DQA1*03:01, and 2 labs assigned DQA1*03:01:01G.

This sample was also previously typed in the International HLA DNA Exchange as DNA#508 (2006). As in the 2006 study, the class I types for this sample were well assigned as A*02:05 (100%), A*31:01 (95%), B*35:04 (100%), B*49:01 (95%), C*04:01 (95%), and C*07:01 (94%). A*02:05:01, A*31:01:02, and B*35:04:01 were each reported by 4 labs.

Ter-514. The consensus type for this sample from an Australian Aborigine donor is DRB1*08:03-DRB1*14:08-DRB3*02:02-DQA1*01:03-DQA1*01:04-DQB1*05:03-DPA1*01:03-DPA1*02:02-DPB1*02:01-DPB1*05:01-A*34:01-B*40:02-B*56:01-C*01:02-C*15:02. The class II associations in this cell are likely DRB1*14:08-DRB3*02:02-DQA1*01:04-DQB1*05:03 and DRB1*08:03-DQA1*01:03-DQB1*05:03 (1).

This cell is WON, 1, studied in the workshops as IHW9194. It was previously studied in the exchange as Ter 412 (2008) and Ter 238 (1999), as noted by Rao and Tiercy. In this present retyping, DRB1*08:03 was assigned by 96%, with 8 labs assigning DRB1*08:03:02. DRB1*14:08 was reported in complete consensus as the second DRB1 type. A number of labs (Charlton, Gandhi, Hartzman and Hurley, Phelan, Reed, and Tilanus) commented on the possible presence of a new allele. Tilanus noted the new allele is most similar to DRB1*14:08, differing by a single nucleotide substitution at position 566, (T → C), resulting in amino acid change from methionine to threonine at codon 160. Reed also observed the same nucleotide substitution (T → C) at position 566. DQA1*01:03 (100%) and DQA1*01:04 (70%) were the reported DQA1 types, while DQB1*05:03 (97%) was reported as the sole DQB1 type. DQB1*05:03:01 was reported by 6 labs.

The sample was also typed for class I as extract 126 (2000). In this present retyping, A*34:01 was typed in complete consensus as the sole A-locus type, with 4 labs assigning A*34:01:01. B*40:02 (96%) and B*56:01 (90%) were the reported B-locus types. B*40:02:01 and B*56:01:01 were each assigned by 3 labs. C*01:02 and C*15:02 were well typed by 100% and 95%, respectively.

References:

1. Lester S, Cassidy S, Humphreys I, et al. Evolution in HLA-DRB1 and major histocompatibility complex Class II haplotypes in Australian Aborigines. Definition of a new DRB1 allele and distribution of DRB1 gene frequencies. Hum Immunol 1995;42:154-160.

Table 1: Summary of the 257th B-cell Line Exchange

Ter-513

DNA Typing - class II

36 labs High; 37 labs Low-DRB1	%(n)
DRB1*04:05:01	22(8)
DRB1*04:05	72(26)
DRB1*04:83	3 (1)
*DRB1*08:01*	3 (1)
DRB1*04	100(37)

20 labs High; 28 labs Low-DRB4	%(n)
DRB4*01:01:01G	5 (1)
DRB4*01:03	90(18)
*DRB4*01:01*	5 (1)
DRB4*01	71(20)
DRB3*+	29(8)

23 labs High; 21 labs Low-DQA1	%(n)
DQA1*03:03:01	4 (1)
DQA1*03:01:01G	9 (2)
DQA1*03:03	61(14)
DQA1*03:01	26(6)
DQA1*03(DQ8)	5 (21)
DQA1*03	95(20)

35 High Labs; 35 labs Low-DQB1	%(n)
DQB1*03:02:01	17(6)
DQB1*03:02	80(28)
DQB1*03:05	3 (1)
DQB1*03	100(35)

13 High Labs; 13 labs Low-DPA1	%(n)
DPA1*01:03:01	8 (1)
DPA1*01:03	92(13)
DPA1*01	100(13)

31 High Labs; 14 labs Low-DPB1	%(n)
DPB1*04:01:01:01	3 (1)
DPB1*04:01:01	10(3)
DPB1*04:01:01G	19(6)
DPB1*04:01P	7 (2)
DPB1*04:01	61(19)
DPB1*04	100(14)

35 labs High; 37 labs Low-DRB1	%(n)
DRB1*08:07	97(34)
*DRB1*08:01*	3 (1)
DRB1*08	100(37)

24 labs High; 21 labs Low-DQA1	%(n)
DQA1*04:01:01	8 (2)
DQA1*04:01	92(22)
DQA1*04	100(21)

33 High Labs; 35 labs Low-DQB1	%(n)
DQB1*04:02:01	15(5)
DQB1*04:02	79(26)
DQB1*04:03	3 (1)
*DQB1*04:04*	3 (1)
DQB1*04	100(35)

31 High Labs; 14 labs Low-DPB1	%(n)
DPB1*04:02:01:02	3 (1)
DPB1*04:02:01	7 (2)
DPB1*04:02:01G	19(6)
DPB1*04:02P	7 (2)
DPB1*04:02	61(19)
*DPB1*04:01*	3 (1)
DPB1*04	100(14)

Serology - class II

1 LAB - DR	%(n)
DR4	100(1)
DR8	100(1)

DR53	100(1)

1 LABS - DQ	%(n)
DQ3	100(1)
DQ4	100(1)

DNA Typing - class I

21 labs High; 24 labs Low- A	%(n)
A*02:05:01	19(4)
A*02:05	81(17)
A*02	100(24)

20 labs High; 24 labs Low- A	%(n)
A*31:01:02	20(4)
A*31:01	75(15)
*A*31:02*	5 (1)
A*31	100(24)

22 labs High; 24 labs Low- B	%(n)
B*35:04:01	18(4)
B*35:04	82(18)
B*35	100(24)

20 labs High; 24 labs Low- B	%(n)
B*49:01:01	5 (1)
B*49:01:01G	5 (1)
B*49:01	85(17)
*B*49:21*	5 (1)
B*49	100(24)

19 labs High; 25 labs Low- C	%(n)
C*04:01:01:01	5 (1)
C*04:01:01	5 (1)
C*04:01:01G	5 (1)
C*04:01P	5 (1)
C*04:01	74(14)
*C*04:54*	5 (1)
C*04	100(25)

19 labs High; 25 labs Low- C	%(n)
C*07:01:01:01	10(2)
C*07:01:01G	10(2)
C*07:01	74(14)
*C*04:58*	5 (1)
C*07	100(25)

Table 2: Summary of the 257th B-cell Line Exchange

Ter-514

DNA Typing - class II

34 labs High; 38 labs Low-DRB1	%(n)
DRB1*08:03:02	23(8)
DRB1*08:03	73(25)
*DRB1*08:10*	2 (1)
DRB1*08	100(38)

20 labs High; 28 labs Low-DRB3	%(n)
DRB3*02:02:01G	10(2)
DRB3*02:02	90(2)
DRB3*02	78(21)
DRB3+	25(7)

23 labs High; 21 labs Low-DQA1	%(n)
DQA1*01:03:01	4 (1)
DQA1*01:03	96(22)
DQA1*01	100(21)

33 High Labs; 34 labs Low-DQB1	%(n)
DQB1*05:03:01	18(6)
DQB1*05:03	79(26)
*DQB1*05:09*	3 (1)
DQB1*05	97(34)
*DQB1*03*	3 (1)

13 High Labs; 13 labs Low-DPA1	%(n)
DPA1*01:03:01	8 (1)
DPA1*01:03	84(11)
*DPA1*01:05*	8 (1)
DPA1*01	100(13)

30 High Labs; 14 labs Low-DPB1	%(n)
DPB1*02:01:02	14(4)
DPB1*02:01:02G	3 (1)
DPB1*02:01P	3 (1)
DPB1*02:01	80(24)
DPB1*02	100(14)

35 labs High; 38 labs Low-DRB1	%(n)
DRB1*14:08	100(97)
DRB1*14	100(38)
DRB1*NEW	2 (1)

23 labs High/Inter; 21 labs Low-DQA1	%(n)
DQA1*01:04:01	9 (2)
DQA1*01:01:01G	9 (2)
DQA1*01:04	61(14)
DQA1*01:01/04	17(4)
*DQA1*01:07*	4 (1)
DQA1*01	100(21)

13 High Labs; 13 labs Low-DPA1	%(n)
DPA1*02:02:02	8 (1)
DPA1*02:02	84(11)
*DPA1*01:11*	8 (1)
DPA1*02	100(13)

30 High Labs; 14 labs Low-DPB1	%(n)
DPB1*05:01:01	7 (2)
DPB1*05:01:01G	10(3)
DPB1*05:01P	7 (2)
DPB1*05:01	70(21)
*DPB1*135:01*	3 (1)
*DPB1*47:01*	3 (1)
DPB1*05	100(14)

Serology - class II

1 LAB - DR	%(n)
DR8	100(1)
DR14	100(1)

DR52	100(1)

2 LAB - DQ	%(n)
DQ1	100(1)

DNA Typing - class I

21 labs High; 24 labs Low- A	%(n)
A*34:01:01	19(4)
A*34:01	81(17)
A*34	100(24)

23 labs High; 24 labs Low- B	%(n)
B*40:02:01	13(3)
B*40:02	83(19)
*B*40:206*	4 (1)
B*40	100(24)

19 labs High; 25 labs Low- C	%(n)
C*01:02:01	11(2)
C*01:02:01G	11(2)
C*01:02	78(15)
C*01	100(25)

20 labs High; 25 labs Low- B	%(n)
B*56:01:01	15(3)
B*56:01	75(15)
*B*56:38N*	10(2)
B*56	100(25)

19 labs High; 25 labs Low- C	%(n)
C*15:02:01	11(2)
C*15:02:01G	11(2)
C*15:02	73(14)
*C*15:37*	5 (1)
C*15	100(25)

Table 3: Individual laboratory results for B-cell #513-Class II

		Low resolution												
Center	**Investigator**	**DRB1**		**DRB4**	**DRB4**	**DQA1**		**DQB1**		**DPA1**		**DPB1**		**METHOD**
5488	Adams , Sharon			4*01										
4691	Al Ajlan , Abdulaziz							*03	*04					SSO
774	Cecka , J. Michael	*04	*08	4*01		*03	*04	*03	*04	*01		*04	*04	SSP SSO
9916	Charlton , Ronald K	*04	*08	4*PRESENT				*03	*04					SSP SBT
3224	Chen , Dong-Feng	*04	*08	4*01		*03	*04	*03	*04	*01		*04	*04	SSO SBT
8021	Clark , Brendan	*04	*08	4*01		*03	*04	*03	*04					SSP SSO
3632	Colombe , Beth W.	*04	*08	4*01		*03	*04	*03	*04	*01		*04	*04	SSP SSO
779	Daniel , Claude	*04	*08	4*01		*03	*04	*03	*04	*01		*04	*04	SSP SSO
5219	Daniel , Dolly	*04	*08					*03	*04					SSO
1108	DeConinck , Martha	*04	*08	4*01		*03	*04	*03	*04	*01	*01	*04	*04	SSO
3766	Dunn , Paul	*04	*08	4*01		*03	*04	*03	*04	*01				
5214	Eckels/CPMC ,	*04	*08	4*01		*03	*04	*03	*04	*01		*04	*04	SSO
4079	Fort , Marylise	*04	*08					*03	*04					SSP
792	Gandhi , Manish	*04	*08	4*01		*03	*04	*03	*04			*04	*04	SSP SSO SBT
8087	Guerra , Q.F.B. Elb	*04	*08					*03	*04					SSO
910	Hahn , Amy B.	*04	*08	4*PRESENT	NP			*03	*04					SSP
810	Hamdi , Nuha			4*01	4*01									SSO
1694	Hesse , Nicole	*04	*08	4*PRESENT				*03	*04					SSP
8043	Hod , Reut	*04	*08					*03	*04					
771	Israel , Shoshana	*04	*08					*03	*04					SSP SSO
794	Jaatinen , Taina	*04	*08											SSP SSO SBT
2847	Kihara , Masaaki	*04	*08											SSO
87	Land , Geoffrey A.	*04	*08	4*01		*03	*04	*03	*04	*01	*01	*04	*04	SSP SSO SBT
725	Lardy , N.M.	*04	*08	4*PRESENT		*03	*04	*03	*04					SSP SSO
278	Lee , Jar-How	*04	*08	4*01		*03	*04	*03	*04	*01		*04	*04	SSP SSO
6649	Lim , Young Ae	*04	*08	4*PRESENT										
759	Lopez-Cepero , May	*04	*08	4*01		*03 (DQ8)	*04	*03	*04	*01		*04	*04	SSP SSO
8042	Muncher , Liora	*04	*08	4*01				*03	*04					
54	Pancoska , Carol	*04	*08	4*01		*03	*04	*03	*04	*01		*04		SSO
2400	Phelan , Donna L.	*04	*08	4*01		*03	*04	*03	*04			*04	*04	SSP SSO SBT
8001	Rao , Prakash					*03	*04							SSP SSO
3519	Renac , Virginie	*04	*08					*03	*04			*04		SSP SBT
1160	Rosen-Bronson , Sa	*04	*08	4*01		*03	*04	*03	*04	*01				SSO SBT
793	Rubocki , Ronald	*04	*08	4*PRESENT		*03	*04	*03	*04					SSP
4251	Schiller , Jennifer	*04	*08	4*01		*03	*04	*03	*04	*01	*01	*04	*04	SSO SBT
8068	Shanmugam , Hem	*04	*08	4*PRESENT				*03	*04					SSP SSO
8029	Tarigopula , Anil	*04	*08					*03	*04					SSO
747	Tiercy , Jean-Marie	*04	*08			*03	*04	*03	*04					SSP SSO SBT
5451	Tilanus , Marcel G.J	*04	*08	4*PRESENT				*03	*04					SSP SBT
5642	Varnavidou-Nicolaid	*04	*08	4*01				*03	*04					SSP
8052	Yanina Marcos , Cir	*04	*08			*03	*04	*03	*04					SSO

CTR	**DIRNAME**	**DR4**	**DR8**	**DR53**				**DQ3**	**DQ4**	**OTH1**	**OTH2**
4492	Charron,D.	+	+	+				+	+		

Table 4: Individual laboratory results for B-cell #513-Class II													
		High resolution											
Center	Investigator	DRB1		DRB4	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
5488	Adams , Sharon	*04:05:01	*08:07		*03:03	*04:01	*03:02:01	*04:02:01			*04:01:01	*04:02:01		DRB1*04:178N, DQB1*03:05:03, DQB1*04:03:02, DPB1*126:01, DPB1*105:01
4691	Al Ajlan , Abdulaziz	*04:05	*08:07										SSO	
5462	Arnold , Paula	*04:05	*08:07	4*01:03	NT	NT	*03:02	*04:02	NT	NT	*04:01P	*04:02P	SSP SSO SBT	DQB1*03:106
774	Cecka , J. Michael	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:04	*01:03		*04:01	*04:02	SSP SSO	DRB1*04:90/04:104/04:116/04:178N, DQB1*03:85
9916	Charlton , Ronald K	*04:05:01	*08:07	4*01:03			*03:02	*04:02					SSP SBT	DQB1*03:106/03:107/03:125/03:146, DQB1*04:19/04:21/04:22
4492	Charron , Dominiqu	*04:05	*08:07	4*01:03	*03:01	*04:01	*03:02	*04:02	*01:03		*04:01	*04:02	SSP SSO	DRB1*04:178N, DQA1*03:02/03:03/03:06, DQB1*04:18/04:19/04:20+, DPB1*105:01
3224	Chen , Dong-Feng	*04:05:01	*08:07	4*01:03	*03:01:01G	*04:01	*03:02:01	*04:02:01	*01:03		*04:01:01G	*04:02:01G	SSO SBT	
8021	Clark , Brendan	*04:05	*08:07	4*01:01	*03:01	*04:01	*03:02	*04:02			*04:01	*04:02	SSP SSO	DRB4*01:03/01:06, DQA1*03:02/03:03, DPB1*105:01, DPB1*126:01
3632	Colombe , Beth W.	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:02	*01:03		*04:01	*04:02	SSP SSO	DPB1*126:01, DPB1*105:01
5130	Costeas , Paul A.	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:02					SSP SSO	
779	Daniel , Claude	*04:05			*03:03	*04:01	*03:02		*01:03		*04:01:01G	*04:02:01G	SSP SSO	
3766	Dunn , Paul										*04:01	*04:02		
5214	Eckels/CPMC ,						*03:02				*04:01	*04:02	SSO	DPB1*126:01, DPB1*105:01
3135	Enczmann , J	*04:05	*08:07	4*01:03			*03:02	*04:02			*04:01	*04:02		
762	Fischer , Gottfried	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:02			*04:01	*04:02	SSO SBT	DQB1*04:13, DPB1*126:01, DPB1*105:01
4079	Fort , Marylise										*04:01	*04:02	SSP	DPB1*185:01/*257:01/*177:01/*178:01*+, DPB1*105:01
792	Gandhi , Manish	*04:05	*08:07		*03:03	*04:01	*03:02	*04:02			*04:01	*04:02	SSP SSO SBT	DPB1*126:01, DPB1*105:01
810	Hamdi , Nuha	*04:83	*08:07		*03:01	*04:01	*03:02	*04:02					SSO	DQA1*03:02/03:03, DQB1*03:05/03:62, DQB1*04:03/04:11
8043	Hod , Reut	*04:05	*08:07		*03:03	*04:01	*03:02	*04:02	*01:03		*04:01	*04:02		
2344	Hurley , Hartzman&	*04:05:01	*08:07		*03:03:01	*04:01:01	*03:02:01	*04:02:01	*01:03:01	*01:03:01	*04:01:01:01	*04:02:01:02	SSO OTHER	DPB1*04:01:01:02/*126:01, DPB1*105:01
771	Israel , Shoshana	*04:05	*08:07				*03:02	*04:02					SSP SSO	
794	Jaatinen , Taina	*04:05	*08:07	4*01:03	*03:01	*04:01	*03:02	*04:02	*01:03		*04:01	*04:02	SSP SSO SBT	DQA1*03:02/03:03, DPB1*126:01, DPB1*105:01
8086	Jie , Pan	*04:05	*08:07		*03:03	*04:01	*03:02	*04:02					SBT	
4337	Kim , Tai-Gyu	*04:05	*08:07				*03:02	*04:02			*04:01	*04:02	SBT	
87	Land , Geoffrey A.	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:02	*01:03	*01:03	*04:01	*04:02	SSP SSO SBT	DPB1*126:01, DPB1*105:01
278	Lee , Jar-How	*04:05:01	*08:07	4*01:03	*03:03	*04:01:01	*03:02:01	*04:02	*01:03		*04:01:01	*04:02	SSP SSO	
274	Lo , Raymundo W.	*08:01	*08:01		*03:01	*04:01	*03:02	*04:02	*01:03	*01:03	*04:01	*04:01	OTHER	
731	Loewenthal , Ron	*04:05:01	*08:07				*03:02:01	*04:02:01						
759	Lopez-Cepero , May										*04:01P	*04:02P	SSP SSO	
8042	Muncher , Liora	*04:05	*08:07	4*01:03			*03:02	*04:02						

Table 4: Individual laboratory results for B-cell #513-Class II														
		High resolution												
Center	Investigator	DRB1		DRB4	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
3966	Permpikul , Vejbaes	*04:05	*08:07	4*01:03			*03:02	*04:02					SSP	
2400	Phelan , Donna L.	*04:05	*08:07		*03:03	*04:01	*03:05	*04:03			*04:01:01G	*04:02:01G	SSP SSO SBT	
8001	Rao , Prakash	*04:05	*08:07	4*01:03			*03:02	*04:02			*04:01	*04:02	SSP SSO	
3753	Reed , Elaine F.	*04:05	*08:07	4*01:01:01G	*03:01:01G	*04:01	*03:02	*04:02	*01:03	*01:03	*04:01:01G	*04:02:01G	SSO SBT	DQB1*03:05, DQB1*04:03
3519	Renac , Virginie	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:02			*04:01	*04:02	SSP SBT	DPB1*126:01, DPB1*105:01
1160	Rosen-Bronson , Sa					*04:01			*01:03		*04:01:01G	*04:02:01G	SSO SBT	
793	Rubocki , Ronald										*04:01	*04:02	SSP	
4251	Schiller , Jennifer	*04:05	*08:07				*03:02	*04:02			*04:01:01G	*04:02:01G	SSO SBT	
747	Tiercy , Jean-Marie	*04:05:01	*08:07	4*01:03	*03:01	*04:01	*03:02:01	*04:02:01			*04:01:01	*04:02:01	SSP SSO SBT	DQA1*03:02/03:03
5451	Tilanus , Marcel G.J	*04:05:01	*08:07										SSP SBT	
5642	Varnavidou-Nicolaid	*04:05	*08:07				*03:02	*04:02					SSP	DRB1*04:80/04:83/04:89, DQB1*04:18, DQB1*03:106/03:107, DRB1*04:116/04:152/04:162
3511	Zeevi , Adriana	*04:05	*08:07	4*01:03	*03:03	*04:01	*03:02	*04:02			*04:01	*04:02	SSP SSO	

Table 5: Individual laboratory results for B-cell #513-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	*02:05:01	*31:01:02	*35:04:01	*49:01				
4691	Al Ajlan , Abdulaziz	*02	*31	*35	*49	*04	*07							SSO	
5462	Arnold , Paula							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO SBT	
774	Cecka , J. Michael	*02	*31	*35	*49	*04	*07	*02:05		*35:04				SSP SSO	A*02:286/02:324/02:337/02:344+, B*35:09/35:12/35:83
8070	Chang , Uckjin														
9916	Charlton , Ronald K	*02	*31	*35	*49	*04	*07	*02:05:01	*31:01:02	*35:04:01	*49:01	*04:01:01	*07:01:01:01	SSP SBT	
4492	Charron , Dominiqu							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO	A*02:286/02:337/02:359/02:484+, A*31:20/31:36/31:47/31:49+,B*49:29/49:27/49:30,C*04:106/04:136/04:149/04:156+,C*07:103/07:166/07:303/07:310+
3224	Chen , Dong-Feng	*02	*31	*35	*49	*04	*07	*02:05:01	*31:01:02	*35:04:01	*49:01:01G	*04:01:01G	*07:01:01G	SSO SBT	
8021	Clark , Brendan	*02	*31	*35	*49	*04	*07							SSP SSO	
5130	Costeas , Paul A.							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO	A*31:23
779	Daniel , Claude	*02	*31	*35	*49	*04	*07							SSP SSO	
5219	Daniel , Dolly	*02	*31	*35	*49	*04	*07							SSO	
1108	DeConinck , Martha	*02	*31	*35	*49	*04	*07							SSO	
3766	Dunn , Paul	*02	*31	*35	*49	*04	*07			*35:04					B*35:09/35:12/35:83
3135	Enczmann , J							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01		C*04:09N, C*07:06/07:18
792	Gandhi , Manish	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*02	*31	*35	*49	*04	*07							SSO	
810	Hamdi , Nuha							*02:05	*31:01	*35:04	*49:01	*04:54	*04:58	SSO	A*02:08/02:14,A*31:09/31:11, B*35:09/35:12, B*49:05/49:06
1694	Hesse , Nicole	*02	*31	*35	*49	*04	*07							SSP	
2344	Hurley , Hartzman&							*02:05:01	*31:01:02	*35:04:01	*49:01:01	*04:01:01:01	*07:01:01:01	SSO OTHER	
794	Jaatinen , Taina	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO SBT	C*07:06/07:18
8086	Jie , Pan							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SBT	
2847	Kihara , Masaaki	*02	*31	*35	*49	*04	*07							SSO	
4337	Kim , Tai-Gyu							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SBT	
278	Lee , Jar-How	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO	
274	Lo , Raymundo W.							*02:05	*31:02	*35:04	*49:21	*04:01	*07:01	OTHER	
8042	Muncher , Liora	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01	*07:01		
54	Pancoska , Carol	*02	*31	*35	*49	*04	*07							SSO	
3966	Permpikul , Vejbaes	*02	*31	*35	*49	*04	*07							SSP	
2400	Phelan , Donna L.	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SSO SBT	C*07:06/07:18/07:343
3753	Reed , Elaine F.							*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSO SBT	A*02:08/02:14/02:507, A*31:02/31:30/31:68, C*04:04/04:09N/04:15/04:29+, C*07:06/07:09/07:18/07:27+
3519	Renac , Virginie	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01	*07:01	SSP SBT	
4251	Schiller , Jennifer	*02	*31	*35	*49	*04	*07	*02:05	*31:01	*35:04	*49:01	*04:01P	*07:01:01G	SSO SBT	

Table 5: Individual laboratory results for B-cell #513-Class I															
		Low resolution						High resolution							
Center	Investigator	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
8068	Shanmugam , Hem	*02	*31	*35	*49	*04	*07							SSP SSO	
8029	Tarigopula , Anil	*02	*31	*35	*49	*04	*07							SSO	
8052	Yanina Marcos , Ci	*02	*31	*35	*49	*04	*07							SSO	

Table 6: Individual laboratory results for B-cell #514-Class II

		Low resolution													
Center	**Investigator**	**DRB1**		**DRB3**	**DRB3**	**DQA*01**		**DQB1**		**DPA1**		**DPB1**		**METHOD**	**Other Alelles**
5488	Adams , Sharon	*08	*14	3*02											
4691	Al Ajlan , Abdulaziz							*05	*05					SSO	
774	Cecka , J. Michael	*08	*14	3*02		*01	*01	*05		*01	*02	*02	*05	SSP SSO	
9916	Charlton , Ronald K	*08	*14	3*PRESENT				*05						SSP SBT	
3224	Chen , Dong-Feng	*08	*14	3*02		*01	*01	*05		*01	*02	*02	*05	SSO SBT	
8021	Clark , Brendan	*08	*14	3*02		*01		*05						SSP SSO	
3632	Colombe , Beth W.	*08	*14	3*02		*01	*01	*05		*01	*02	*02	*05	SSP SSO	
779	Daniel , Claude	*08	*14	3*02		*01	*01	*05		*01	*02	*02	*05	SSP SSO	
5219	Daniel , Dolly	*08	*14					*05	*05					SSO	
1108	DeConinck , Martha	*08	*14	3*02		*01	*01	*05	*05	*01	*02	*02	*05	SSO	
3766	Dunn , Paul	*08	*14	3*02		*01		*05		*01	*02				
5214	Eckels/CPMC ,	*08	*14	3*02		*01	*01	*05	*05	*01	*02	*02	*05	SSO	
4079	Fort , Marylise	*08	*14					*05						SSP	
792	Gandhi , Manish	*08	*14	3*02		*01	*01	*05				*02	*05	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*08	*14					*05	*05					SSO	
910	Hahn , Amy B.	*08	*14	3*PRESENT				*03	*05					SSP	DRB1*04
810	Hamdi , Nuha			3*02	3*02									SSO	
1694	Hesse , Nicole	*08	*14	3*PRESENT				*05						SSP	
8043	Hod , Reut	*08	*14					*05							
771	Israel , Shoshana	*08	*14					*05						SSP SSO	
794	Jaatinen , Taina	*08	*14											SSP SSO SBT	
2847	Kihara , Masaaki	*08	*14											SSO	
87	Land , Geoffrey A.	*08	*14	3*02		*01	*01	*05	*05	*01	*02	*02	*05	SSP SSO SBT	
725	Lardy , N.M.	*08	*14	3*PRESENT		*01		*05						SSP SSO	
278	Lee , Jar-How	*08	*14	3*02		*01	*01	*05		*01	*02	*02	*05	SSP SSO	
6649	Lim , Young Ae	*08	*14	3*PRESENT											
759	Lopez-Cepero , May	*08	*14	3*02		*01	*01	*05		*01	*02	*02	*05	SSP SSO	
8042	Muncher , Liora	*08	*14	3*02				*05							
54	Pancoska , Carol	*08	*14	3*02		*01		*05		*01	*02	*02	*05	SSO	
2400	Phelan , Donna L.	*08	*14	3*02		*01	*01	*05				*02	*05	SSP SSO SBT	
8001	Rao , Prakash					*01								SSP SSO	
3519	Renac , Virginie	*08	*14					*05				*02	*05	SSP SBT	
1160	Rosen-Bronson , Sa	*08	*14	3*02		*01		*05		*01	*02			SSO SBT	
793	Rubocki , Ronald	*08	*14	3*02		*01		*05						SSP	
4251	Schiller , Jennifer	*08	*14	3*02		*01	*01	*05	*05	*01	*02	*02	*05	SSO SBT	
8068	Shanmugam , Hem	*08	*14	3*PRESENT				*05						SSP SSO	
8029	Tarigopula , Anil	*08	*14					*05	*05					SSO	
747	Tiercy , Jean-Marie	*08	*14			*01	*01	*05						SSP SSO SBT	
5451	Tilanus , Marcel G.J	*08	*14	3*PRESENT				*05						SSP SBT	
5642	Varnavidou-Nicolaid	*08	*14	3*02				*05						SSP	
8052	Yanina Marcos , Cir	*08	*14			*01	*01							SSO	

CTR	**DIRNAME**	**DR8**	**DR14**	**DR52**				**DQ1**		**OTH1**	**OTH2**
4492	Charron,D.	+	+	+				+		DQ4	

Table 7: Individual laboratory results for B-cell #514-Class II														
		High/Intermediate resolution												
Center	Investigator	DRB1		DRB3	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
5488	Adams , Sharon				*01:03	*01:04	*05:03:01				*02:01:02	*05:01:01		DQA1*01:10
4691	Al Ajlan , Abdulaziz	*08:03	*14:08										SSO	
5462	Arnold , Paula	*08:03	*14:08	3*02:02	NT	NT	*05:03		NT	NT	*02:01	*05:01P	SSP SSO SBT	DRB3*02:28/02:29N
774	Cecka , J. Michael	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03		*01:03	*02:02	*02:01	*05:01	SSP SSO	DRB3*02:26/02:28/02:29N, DQB1*05:06/05:08/05:09/ 05:10+, DPA1*02:05
9916	Charlton , Ronald K	*08:03:02	*14:08	3*02:02			*05:03:01						SSP SBT	
4492	Charron , Dominiqu	*08:03	*14:08	3*02:02	*01:03	*01:01/04	*05:03		*01:03	*02:02	*02:01	*05:01	SSP SSO	DRB1*08:56/08:58, DQA1*01:04/01:05/01:12, DQA1*01:10, DQB1*05:56/05:58/05:60/05:64+, DPB1*135:01
3224	Chen , Dong-Feng	*08:03:02	*14:08	3*02:02:01G	*01:03	*01:01:01G	*05:03:01		*01:03	*02:02	*02:01	*05:01:01G	SSO SBT	DQA1*01:10
8021	Clark , Brendan	*08:03	*14:08	3*02:02	*01:03	*01:01/04	*05:03				*02:01	*05:01	SSP SSO	DQA1*01:04/01:05/12, DQA1*01:10, DQB1*06:57
3632	Colombe , Beth W.	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03		*01:03	*02:02	*02:01	*05:01	SSP SSO	
5130	Costeas , Paul A.	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03	*05:03					SSP SSO	DRB1*14:54
779	Daniel , Claude		*14:08		*01:03	*01:04			*01:03	*02:02	*02:01	*05:01	SSP SSO	
3766	Dunn , Paul										*02:01	*05:01		
5214	Eckels/CPMC ,										*02:01	*05:01	SSO	DPB1*135:01, DPB1*141:01
3135	Enczmann , J	*08:03	*14:08	3*02:02			*05:03	*05:03			*02:01	*05:01		
762	Fischer , Gottfried	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03				*02:01	*05:01	SSO SBT	DPB1*135:01, DQB1*05:10, DRB3*02:12/02:28/02:29N
4079	Fort , Marylise										*02:01	*05:01	SSP	DPB1*170:01/*186:01/ *191:01/ *211:01
792	Gandhi , Manish	*08:03	*14:08		*01:03	*01:04	*05:03				*02:01	*05:01	SSP SSO SBT	
810	Hamdi , Nuha	*08:03	*14:08		*01:03	*01:01/04	*05:03	*06:57					SSO	DRB1*08:56/08:58, DQA1*01:04/01:05, DQA1*01:10, DQB1*05:08/05:10
1694	Hesse , Nicole												SSP	
8043	Hod , Reut	*08:03	*14:08		*01:03	*01:04	*05:03		*01:03	*02:02	*02:01	*05:01		
2344	Hurley , Hartzman&	*08:03:02	*14:08		*01:03:01	*01:04:01	*05:03:01	*05:03:01:01	*01:03:01	*02:02:02	*02:01:02	*05:01:01	SSO OTHER	DQB1*05:03:01:02, DPB1*135:01
771	Israel , Shoshana	*08:03	*14:08				*05:03						SSP SSO	
794	Jaatinen , Taina	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03		*01:03	*02:02	*02:01	*05:01	SSP SSO SBT	DQA1*01:01/01:05/01:12, DQA1*01:10, DPB1*135:01
8086	Jie , Pan	*08:03	*14:08		*01:03	*01:04	*05:03	*05:03					SBT	
4337	Kim , Tai-Gyu	*08:03	*14:08				*05:03	*05:03			*02:01	*05:01	SBT	
87	Land , Geoffrey A.	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03	*05:03	*01:03	*02:02	*02:01	*05:01	SSP SSO SBT	
278	Lee , Jar-How	*08:03:02	*14:08	3*02:02	*01:03	*01:04:01	*05:03:01		*01:03	*02:02	*02:01:02	*05:01	SSP SSO	
274	Lo , Raymundo W.	*08:10	*14:08		*01:03	*01:07	*05:09	*05:09	*01:05	*01:11	*02:01	*47:01	OTHER	
731	Loewenthal , Ron	*08:03:02	*14:08				*05:03							DQB1*05:10/05:15/05:16
8042	Muncher , Liora	*08:03	*14:08	3*02:02			*05:03							
3966	Permpikul , Vejbaes	*08:03	*14:08	3*02:02			*05:03						SSP	
2400	Phelan , Donna L.	*08:03	*14:08		*01:03	*01:04	*05:03				*02:01P	*05:01P	SSP SSO SBT	

Table 7: Individual laboratory results for B-cell #514-Class II													
		High/Intermediate resolution											
Center	Investigator	DRB1		DRB3	DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
8001	Rao , Prakash	*08:03	*14:08	3*02:02			*05:03				*02:01	*05:01	SSP SSO	
3753	Reed , Elaine F.	NEW	NEW	3*02:02:01G	*01:03	*01:01:01G	*05:03	*05:03	*01:03	*02:02	*02:01	*05:01:01G	SSO SBT	DQA1*01:10
3519	Renac , Virginie	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03				*02:01	*05:01	SSP SBT	
1160	Rosen-Bronson , Sa		*14:08						*01:03	*02:02	*02:01	*05:01	SSO SBT	
793	Rubocki , Ronald										*02:01	*135:01	SSP	
4251	Schiller , Jennifer	*08:03	*14:08				*05:03	*05:03			*02:01:02G	*05:01:01G	SSO SBT	
747	Tiercy , Jean-Marie	*08:03:02	*14:08	3*02:02	*01:03	*01:01/04	*05:03:01				*02:01:02	*05:01	SSP SSO SBT	DQA1*01:04/01:05/01:12, DQA1*01:10
5451	Tilanus , Marcel G.J	*08:03:02											SSP SBT	
5642	Varnavidou-Nicolaid	*08:03	*14:08				*05:03						SSP	DRB1*08:38/08:46/08:49/08:51,DQB1*05:50/05:56/05:60
3511	Zeevi , Adriana	*08:03	*14:08	3*02:02	*01:03	*01:04	*05:03				*02:01	*05:01	SSP SSO	

Table 8: Individual laboratory results for B-cell #514-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			*40	*56	*01	*15	*34:01:01							
4691	Al Ajlan , Abdulaziz	*34	*34	*40	*56	*01	*15							SSO	
5462	Arnold , Paula							*34:01		*40:02	*56:01	*01:02	*15:02	SSP SSO SBT	
774	Cecka , J. Michael	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01			SSP SSO	A*34:05/34:11, B*40:35/40:56/40:57/40:58+, B*56:20/56:24/56:26/56:27+
9916	Charlton , Ronald K	*34		*40	*56	*01	*15	*34:01:01		*40:02:01	*56:01:01	*01:02:01	*15:02:01	SSP SBT	
4492	Charron , Dominiqu							*34:01	*34:01	*40:02	*56:01	*01:02	*15:02	SSP SSO	A*34:11, B*40:255, B*56:40, C*01:89N/01:93/01:94/01:96+, C*15:73/15:81/15:82/15:83+
3224	Chen , Dong-Feng	*34		*40	*56	*01	*15	*34:01:01		*40:02:01	*56:01:01	*01:02:01G	*15:02:01G	SSO SBT	
8021	Clark , Brendan	*34		*40	*56	*01	*15			*40:02				SSP SSO	
5130	Costeas , Paul A.							*34:01	*34:01	*40:02	*56:01	*01:02	*15:02	SSP SSO	C*01:19
779	Daniel , Claude	*34		*40	*56	*01	*15			*40:02				SSP SSO	
5219	Daniel , Dolly	*34	*34	*40	*56	*01	*15							SSO	
1108	DeConinck , Martha	*34	*34	*40	*56	*01	*15							SSO	
3766	Dunn , Paul	*34		*40	*56	*01	*15								
3135	Enczmann , J							*34:01	*34:01	*40:02	*56:01	*01:02	*15:02		
792	Gandhi , Manish	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01	*01:02	*15:02	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*34	*34	*40	*56	*01	*15							SSO	
810	Hamdi , Nuha							*34:01	*34:01	*40:206	*56:38N	*01:02	*15:37	SSO	A*34:05/34:11, C*01:07/01:11, C*15:41/15:68
1694	Hesse , Nicole	*34		*40	*56	*01	*15							SSP	
2344	Hurley , Hartzman&							*34:01:01	*34:01:01	*40:02:01	*56:01:01	*01:02:01	*15:02:01	SSO OTHER	
771	Israel , Shoshana													SSP SSO	
794	Jaatinen , Taina	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01	*01:02	*15:02	SSP SSO SBT	
8086	Jie , Pan							*34:01	*34:01	*40:02	*56:01	*01:02	*15:02	SBT	
2847	Kihara , Masaaki	*34		*40	*56	*01	*15							SSO	
4337	Kim , Tai-Gyu							*34:01	*34:01	*40:02	*56:01	*01:02	*15:02	SBT	
278	Lee , Jar-How	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01	*01:02	*15:02	SSP SSO	
274	Lo , Raymundo W.							*34:01	*34:05	*40:02	*56:38N	*01:02	*15:02	OTHER	
8042	Muncher , Liora	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01	*01:02	*15:02		
54	Pancoska , Carol	*34		*40	*56	*01	*15							SSO	
3966	Permpikul , Vejbaes	*34			*56	*01	*15			*40:02				SSP	
2400	Phelan , Donna L.	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01	*01:02	*15:02	SSP SSO SBT	C*01:85
3753	Reed , Elaine F.							*34:01	*34:01	*40:02	*56:01	*01:02	*15:02	SSO SBT	B*40:35/40:219, B*56:20/56:35, C*01:14/01:22/01:48/01:59/01:85, C*15:07/15:08/15:10/15:21/15:87
3519	Renac , Virginie	*34		*40	*56	*01	*15	*34:01		*40:02	*56:01	*01:02	*15:02	SSP SBT	
4251	Schiller , Jennifer	*34	*34	*40	*56	*01	*15	*34:01	*34:01	*40:02	*56:01	*01:02:01G	*15:02:01G	SSO SBT	
8068	Shanmugam , Hem	*34		*40	*56	*01	*15							SSP SSO	
8029	Tarigopula , Anil	*34		*40	*56	*01	*15							SSO	
8052	Yanina Marcos , Cir	*34	*34	*40	*56	*01	*15							SSO	

Cell Exchange #386

The results for Cell Exchange #386 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 1541. The consensus type for this sample from a Hispanic donor is A*01:01(A1)-A*68:03(A68)-B*15:17(B63)-B*35:43(B35)-C*01:02(Cw1)-C*07:01(Cw7). The likely associations in this cell are A*68:03-B*35:43-C*01:02 and A*01:01-B*15:17-C*07:01, observed in Hispanics, with respective frequencies of HF=0.00089 and HF=0.00126.

This cell is the HLA identical sibling of cell 1459 (same as cell 1419). It was previously studied as cell 1510 (2013). It this present retyping, B63 and B62 were reported by 100% and 95%, respectively. B*15:17 (100%) and B*35:43 (100%) were assigned by DNA, with 5 labs reporting B*15:17:01 and 7 labs reporting B*35:43:01. A1 and A28 were each detected in complete consensus. A68 was assigned as the A28 split by 70%. A*01:01 (100%) and A*68:03 (100%) were reported by DNA, with 5 labs assigning A*01:01:01 and 9 labs assigning A*68:03:01.

Cell 1542. 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 likely association in this cell is B*15:04-C*01:02, observed in Hispanics, with HF=0.00100. The other likely association may then be B*57:03-C*18:02, observed in 2 other exchange samples, cell 1083 and cell 1144.

This cell was previously typed as cells 1431 (2011), 1318 (2007), and extract 429 (2008), as correctly identified by Askar, Claas, and Tiercy. In this present typing, B62 was reported by 78%. Askar noted that the reaction pattern of B62 in this sample was short compared to that of the B62 in cell 1544. The presence of B62 was confirmed by DNA as B*15:04 (100%), with 6 labs assigning B*15:04:01. Arnold observed that a new B*15:04:01 allele may be present in this sample, noting the “base pair difference is in intron 2, genomic position 710. B*51:04:01 has a ‘T’ at this position. The sequence of this DNA sample has a ‘G’ at this position.” B*57:03 (88%) was reported as the second B-locus allele, with 44% assigning B*57:03:01. A1 (100%) and A30 (94%) were the assigned A-locus types, confirmed as A*01:01 (92%) and A*30:02 (100%). A*01:01:01 and A*30:02:01 were each assigned by 4 labs.

Cell 1543. The consensus type for this sample from a donor of mixed Asian and Native American descent is A*02:06(A2)-A*33:01(A33)-B*14:02(B65)-B*15:02(B75)-C*08:01(Cw8)-C*08:02. The probable associations in this cell are A*33:01-B*14:02-C*08:02 and A*02:06-B*15:02-C*08:02, with respective frequencies of 0.00057 and 0.00074, in Asians. The association of A*33:01-B*14:02-C*08:02 is also listed in the NMDP Bioinformatics website as the 5th most common haplotype in Hispanics, with HF=0.01439.

B14 and B15 were each reported in complete consensus, with the splits assigned as B65 (59%) and B75 (88%), respectively. B*14:02 (100%) and B*15:02 (100%) were reported by DNA. B*14:02:01 and B*15:02:01 were each assigned by 5 labs. A2 (100%) and A3 (100%) were the reported A-locus types and confirmed as A*02:06 (100%) and A*33:01 (100%). Two different subtypes of C*08 were present in this cell, C*08:01 (100%) and C*08:02 (100%). C*08:01:01 was reported by 3 labs and 4 labs reported C*08:02:01.

Cell 1544. The consensus type for this sample from a Filipino donor is A*11:01(A11)-A*34:05(A34)-B*15:35(B62)-B*35:01(B35)-C*07:02(Cw7)-C*08:01(Cw8). The probable associations in this cell may be B*15:35-C*07:02 and B*35:01-C*08:01, with respective frequencies of 0.00545 and 0.00350 in Asians. The B*15:35-C*07:02 association in this cell was observed in a number of previous exchange cells, cell 1319 (same as 1261), cell 1256 (same as 1197, 1145, 1132), cell 1232 (same as 1174), cell 1177, and cell 1049, all from Filipino donors.

This sample was previously studied as cells 1432 (2011), 1372 (2009), 1347 (2008) and as extracts 416 (2008) and 413 (2008), as astutely noted by Askar and Claas. In this present retyping, A34 was detected by 89% and confirmed as A*34:05 (93%). A11 (100%) was reported as the second A-locus type, with 1 lab reporting A11.1. A*11:01 (100%) was assigned by DNA, with 5 labs assigning A*11:01:01. The B-locus types were B62 (89%) and B35 (100%), confirmed as B*15:35 (85%), and B*35:01 (100%). Four labs assigned B*35:01:01.

Table 9. Summary of the 386th Cell Exchange (Cell #1541-1544)

DNA typing

Cell 1541

24 labs Low/15 labs High Res	% (n)
A*01:01:01:01	20(3)
A*01:01:01	13(2)
A*01:01:01G	13(2)
A*01:01	54(8)
A*01	100(24)
24 labs Low/15 labs High Res	% (n)
A*68:03:01	60(9)
A*68:03	40(6)
A*68	100(24)
23 labs Low/22 labs High Res	% (n)
B*15:17:01	23(5)
B*15:17:01G	5 (1)
B*15:17	72(16)
B*15(B63)	4 (1)
B*15	96(22)
23 labs Low/19 labs High Res	% (n)
B*35:43:01	37(7)
B*35:43:01G	5 (1)
B*35:43	58(11)
B*35	100(23)
23 labs Low/14 labs High Res	% (n)
C*01:02:01	29(4)
C*01:02:01G	7 (1)
C*01:02P	7 (1)
C*01:02	57(8)
C*01	100(23)
23 labs Low/15 labs High Res	% (n)
C*07:01:01	7 (1)
C*07:01:02	13 (2)
C*07:01:01G	7 (1)
C*07:01P	13 (2)
C*07:01	60(9)
C*07	100(23)

Cell 1542

25 labs Low/14 labs High Res	% (n)
A*01:01:01:01	14 (2)
A*01:01:01	14 (2)
A*01:01:01G	14 (2)
A*01:01	50(7)
*A*01:100*	7 (1)
A*01	100(25)
24 labs Low/15 labs High Res	% (n)
A*30:02:01:01	7 (1)
A*30:02:01	20(3)
A*30:02:01G	7 (1)
A*30:02	66(10)
A*30	100(24)
21 labs Low/25 labs High Res	% (n)
B*15:04:01	24(6)
B*15:04	76(19)
B*15(B62)	4 (1)
B*15	95(20)
23 labs Low/16 labs High Res	% (n)
B*57:03:01	44(7)
B*57:03	44(7)
*B*57:01*	6 (1)
*B*57:02*	6 (1)
B*57	100(23)
23 labs Low/15 labs High Res	% (n)
C*01:02:01	26(4)
C*01:02:01G	7 (1)
C*01:02P	7 (1)
C*01:02	53(8)
*C*01:23*	7 (1)
C*01	100(23)
23 labs Low/15 labs High Res	% (n)
C*18:01:01G	13(2)
C*18:01P	7 (1)
C*18:02	60(9)
*C*18:01*	7 (1)
C*18:01+	7 (1)
*C*01:156N*	7 (1)
C*18	100(23)

Cell 1543

20 labs Low/16 labs High Res	% (n)
A*02:06:01	19(3)
A*02:06	81(13)
A*02	100(20)
21 labs Low/15 labs High Res	% (n)
A*33:01:01	20(3)
A*33:01	80(12)
A*33	100(21)
21 labs Low/20 labs High Res	% (n)
B*14:02:01	25(5)
B*14:02	75(15)
B*14(B65)	5 (1)
B*14	95(20)
20 labs Low/21 labs High Res	% (n)
B*15:02:01	24(5)
B*15:02P	5 (1)
B*15:02	71(15)
B*15(B75)	5 (1)
B*15	95(19)
20 labs Low/15 labs High Res	% (n)
C*08:01:01	20(3)
C*08:01:01G	7 (1)
C*08:01P	7 (1)
C*08:01	66(10)
C*08	100(20)
15 labs High Res	% (n)
C*08:02:01	27(4)
C*08:02	73(11)

Cell 1544

22 labs Low/14 labs High Res	% (n)
A*11:01:01	36(5)
A*11:01	64(9)
A*11	100(22)
21 labs Low/15 labs High Res	% (n)
A*34:05	93(14)
*A*34:01*	7 (1)
A*34	100(21)
21 labs Low/20 labs High Res	% (n)
B*15:35	85(17)
*B*15:20*	10(2)
*B*15:01*	5 (1)
B*15(B62)	5 (1)
B*15	95(20)
21 labs Low/15 labs High Res	% (n)
B*35:01:01	27(4)
B*35:01:01G	7 (1)
B*35:01	66(10)
B*35	100(21)
19 labs Low/15 labs High Res	% (n)
C*07:02:01	13(2)
C*07:02:01G	7 (1)
C*07:02P	13(2)
C*07:02	67(10)
C*07	100(19)
19 labs Low/14 labs High Res	% (n)
C*08:01:01	14(2)
C*08:01:01G	7 (1)
C*08:01P	7 (1)
C*08:01	72(10)
C*08	100(19)

Table 10. Summary of the 386th Cell Exchange (Cell #1541-1544)

Serological typing

(Hispanic)	
Cell 1541	
(20 Samples Typed)	
A1	100.0%
A68	70.0%
A28	30.0%
	[100.0%]
B35	95.0%
B63	100.0%
	[100.0%]
Cw1	40.0%
Cw7	35.0%
Bw4	85.0%
Bw6	85.0%
Others Found	
B75	5.0%
B5	5.0%
B62	5.0%
Cw4	5.0%
B53	5.0%

(Hispanic)	
Cell 1542	
(18 Samples Typed)	
A1	100.0%
A30	94.4%
A19	5.6%
	[100.0%]
B57	94.4%
B17	5.6%
	[100.0%]
B62	77.8%
B15	16.7%
	[94.4%]
Cw1	33.3%
	[0.0%]
Bw4	83.3%
Bw6	77.8%
Others Found	
B58	5.6%
Cw6	5.6%
B63	5.6%
Cw5	5.6%

(Mixed)	
Cell 1543	
(17 Samples Typed)	
A2	100.0%
	[100.0%]
A33	100.0%
	[100.0%]
B14	41.2%
B65	58.8%
	[100.0%]
B75	88.2%
B15	11.8%
	[100.0%]
Cw8	41.2%
Bw6	76.5%
Others Found	
B70	5.9%
Bw4	5.9%

(Filipino)	
Cell 1544	
(18 Samples Typed)	
A11	94.4%
A11.1	5.6%
	[100.0%]
A34	88.9%
A10	11.1%
	[100.0%]
B35	100.0%
B62	88.9%
B15	11.1%
	[100.0%]
Cw7	44.4%
Cw8	33.3%
Bw6	83.3%
Others Found	
B70	5.6%

Table 11. Individual laboratory results for Cell #1541

		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	*68:03	*15:17	*35:43	*01:02	*07:01	SSP SSO SBT	
16	Askar , Medhat Z.	*01	*68	*15	*35	*01	*07	*01:01:01:01	*68:03:01	*15:17	*35:43:01	*01:02	*07:01	SSO SBT	C*01:17/01:54/01:58/01:60, C*07:16/07:40/07:103/07:141:02+
8038	Cao , Kai							*01:01:01G	*68:03:01	*15:17	*35:43:01	*01:02P	*07:01P		
774	Cecka , J. Michael	*01	*68			*01	*07			*15:17	*35:43			SSP	B*15:162/15:168/15:177/15:196+, B*35:67/35:79/35:102/35:117
4492	Charron , Dominiqu	*01	*68	*15	*35	*01	*07			*15:17				SSP	B*15:162/15:168/15:177/15:196+
798	Claas , F.H.J.							*01:01:01:01	*68:03:01	*15:17:01	*35:43:01	*01:02:01	*07:01:02	SBT	
3632	Colombe , Beth W.	*01	*68	*15	*35	*01	*07	*01:01	*68:03	*15:17	*35:43	*01:02	*07:01	SSP SSO	
779	Daniel , Claude	*01	*68	*15	*35	*01	*07			*15:17	*35:43			SSP SSO	
3766	Dunn , Paul	*01	*68	*15	*35	*01	*07							SSO	
5214	Eckels/CPMC ,	*01	*68	*15	*35	*01	*07			*15:17					
762	Fischer , Gottfried	*01	*68	*15	*35	*01	*07								
4079	Fort , Marylise	*01	*68	*15	*35	*01	*07			*15:17	*35:43			SSP	
3545	Goldstein , Steven							*01:01	*68:03	*15:17	*35:43	*01:02	*07:01	SSO SBT	C*01:85, C*07:06/07:18/07:343
810	Hamdi , Nuha							*01:01	*68:03	*15:17	*35:43			SSO	A*01:04N/01:09, A*68:57/68:85, B*15:162/15:177, B*35:67/35:79
8043	Hod , Reut	*01	*68	*15	*35	*01	*07	*01:01	*68:03:01	*15:17	*35:43	*01:02	*07:01	SSP SSO	
771	Israel , Shoshana	*01	*68	*15	*35	*01	*07	*01:01	*68:03	*15:17	*35:43	*01:02	*07:01	SSP SSO	
725	Lardy , N.M.	*01	*68	*15	*35	*01	*07							SSP SSO	
745	Latham , Katy							*01:01:01:01	*68:03:01	*15:17:01	*35:43:01	*01:02:01	*07:01:01	SSP SSO SBT	
278	Lee , Jar-How	*01	*68	*15	*35	*01	*07	*01:01:01	*68:03:01	*15:17:01	*35:43:01	*01:02:01	*07:01:02	SSP SSO	
6649	Lim , Young Ae	*01	*68	*15 (B63)	*35										
731	Loewenthal , Ron							*01:01:01	*68:03:01	*15:17	*35:43:01	*01:02	*07:01	SSO SBT	
759	Lopez-Cepero , Ma	*01	*68	*15	*35	*01	*07							SSO	
54	Pancoska , Carol	*01	*68	*15	*35	*01	*07							SSO	
8001	Rao , Prakash	*01	*68	*15	*35	*01	*07			*15:17				SSP SSO	
3625	Rees , Tracey	*01	*68	*15	*35	*01	*07	*01:01	*68:03	*15:17	*35:43	*01:02	*07:01		
1160	Rosen-Bronson , S	*01	*68	*15	*35	*01	*07							SSO	
793	Rubocki , Ronald	*01	*68	*15	*35	*01	*07							SSP	
4251	Schiller , Jennifer	*01	*68	*15	*35	*01	*07	*01:01	*68:03:01	*15:17	*35:43	*01:02:01G	*07:01:01G	SSO SBT	
3808	Thornton , Alycia	*01	*68	*15	*35	*01	*07			*15:17:01G	*35:43:01G		*07:01P		
747	Tiercy , Jean-Marie	*01	*68	*15	*35	*01	*07	*01:01:01G	*68:03:01	*15:17:01	*35:43:01	*01:02	*07:01	SSP SSO SBT	
3186	Watson , Narelle	*01	*68	*15	*35	*01	*07								

Table 12. Individual laboratory results for Cell #1542															
		Low Resolution						High/Intermediate Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold, Paula							*01:01	*30:02	*15:04	*57:03	*01:02	*18:02	SSP SSO SBT	
16	Askar, Medhat Z.	*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	
8038	Cao, Kai							*01:01:01G	*30:02:01	*15:04:01	*57:03:01	*01:02P	*18:01P		
774	Cecka, J. Michael	*01	*30			*01	*18			*15:04	*57:02			SSP	B*57:17/57:28N/57:42/57:46/57:70
4492	Charron, Dominiqu	*01	*30	*15	*57	*01	*18			*15:04				SSP	
798	Claas, F.H.J.							*01:01:01:01	*30:02:01:01	*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				SSP SSO	
3766	Dunn, Paul	*01	*30		*57	*01	*18			*15:04				SSO	
5214	Eckels/CPMC,	*01	*30	*15	*57	*01	*18			*15:04					
762	Fischer, Gottfried	*01	*30	*15	*57	*01	*18								
4079	Fort, Marylise	*01	*30	*15	*57	*01	*18			*15:04				SSP	
3545	Goldstein, Steven							*01:01	*30:02	*15:04	*57:03	*01:02	*18:01/02	SSO SBT	C*01:85
810	Hamdi, Nuha							*01:100	*30:02	*15:04	*57:01	*01:23	*01:56N	SSO	B*57:06/57:15, C*01:56N/01:58
8043	Hod, Reut	*01	*30	*15	*57	*01	*18	*01:01	*30:02	*15:04	*57:03	*01:02	*18:02	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							*30:02	*15:04:01	*57:03:01	*01:02:01	*18:02	SSP SSO SBT	
278	Lee, Jar-How	*01	*30	*15	*57	*01	*18	*01:01:01	*30:02:01	*15:04	*57:03:01	*01:02:01	*18:02	SSP SSO	
6649	Lim, Young Ae	*01	*30	*15(B62)	*57										
731	Loewenthal , Ron							*01:01:01	*30:02	*15:04:01	*57:03:01	*01:02	*18:01	SSO SBT	
759	Lopez-Cepero, May	*01	*30	*15	*57	*01	*18							SSO	
54	Pancoska, Carol	*01	*30	*15	*57	*01	*18							SSO	
8001	Rao, Prakash	*01	*30	*15	*57	*01	*18			*15:04				SSP SSO	
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					
747	Tiercy, Jean-Marie	*01	*30	*15	*57	*01	*18	*01:01:01G	*30:02:01G	*15:04:01	*57:03:01	*01:02	*18:01:01G	SSP SSO SBT	
3186	Watson, Narelle	*01	*30		*57	*01	*18			*15:04					

Table 13. Individual laboratory results for Cell #1543															
		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold, Paula							*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSP SSO SBT	
16	Askar, Medhat Z.	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02:01	*15:02:01	*08:01:01	*08:02:01	SSO SBT	B*14:27 , B*15:121
8038	Cao, Kai							*02:06:01	*33:01:01	*14:02:01	*15:02:01	*08:01P	*08:02:01		
774	Cecka, J. Michael		*33	*14		*08		*02:06			*15:02			SSP	A*02:126/02:278/02:290/02:328/02:330+, B*15:88/15:121/15:139/15:214/15:291+
4492	Charron, Dominiqu	*02	*33	*14	*15	*08				*14:02	*15:02			SSP	B*14:03/14:04/14:09/14:11/14:15, B*15:88/15:112/15:139/15:170
798	Claas, F.H.J.							*02:06:01	*33:01:01	*14:02:01	*15:02:01	*08:01:01	*08:02:01	SBT	
3632	Colombe, Beth W.	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSP SSO	
779	Daniel, Claude	*02	*33	*14	*15	*08	*08			*14:02	*15:02			SSP SSO	
3766	Dunn, Paul	*02	*33	*14	*15	*08	*08							SSO	
5214	Eckels/CPMC,	*02	*33	*14	*15	*08	*08			*14:02	*15:02				
762	Fischer, Gottfried							*02:06	*33:01	*14:02	*15:02	*08:01	*08:02		C*08:22, C*08:99, C*08:102
4079	Fort, Marylise	NT												SSP	
3545	Goldstein, Steven							*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSO SBT	C*08:22, C*08:99, C*08:102
810	Hamdi, Nuha							*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSO	A*02:10/02:21, A*33:03/33:04, B*14:09/14:16, B*15:88/15:112, C*08:05, C*08:08, C*08:15, C*08:16
8043	Hod, Reut	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSP SSO	
771	Israel, Shoshana	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSP SSO	
725	Lardy, N.M.	*02	*33	*14	*15	*08								SSP SSO	
745	Latham, Katy							*02:06	*33:01	*14:02:01	*15:02:01	*08:01:01	*08:02:01	SSP SSO SBT	
278	Lee, Jar-How	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02	*15:02	*08:01	*08:02	SSP SSO	B*14:39
6649	Lim, Young Ae	*02	*33	*14(B65)	*15(B75)										
731	Loewenthal , Ron							*02:06:01	*33:01:01	*14:02:01	*15:02:01	*08:01	*08:02	SSO SBT	
759	Lopez-Cepero, May	*02	*33	*14	*15	*08	*08							SSO	
54	Pancoska, Carol	*02	*33	*14	*15	*08								SSO	
8001	Rao, Prakash	*02	*33	*14	*15	*08				*14:02	*15:02			SSP SSO	
3625	Rees, Tracey	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02	*15:02	*08:01	*08:02		
1160	Rosen-Bronson, Sa	*02	*33	*14	*15	*08								SSO	
793	Rubocki, Ronald	*02	*33	*14	*15	*08								SSP	
4251	Schiller, Jennifer	*02	*33	*14	*15	*08	*08	*02:06	*33:01	*14:02	*15:02	*08:01:01G	*08:02	SSO SBT	
3808	Thornton, Alycia	*02	*33	*14	*15	*08				*14:02	*15:02P				
747	Tiercy, Jean-Marie	NT												SSP SSO SBT	
3186	Watson, Narelle	*02	*33	*14	*15	*08	*08								

Table 14. Individual laboratory results for Cell #1544

		Low Resolution						High Resolution							
Center	**Investigator**	**HLA-A**		**HLA-B**		**HLA-C**		**HLA-A**		**HLA-B**		**HLA-C**		**Method**	**Other Alleles**
5462	Arnold, Paula							*11:01	*34:05	*15:35	*35:01	*07:02	*08:01	SSP SSO SBT	
16	Askar, Medhat Z.	*11	*34	*15	*35	*07	*08	*11:01:01	*34:05	*15:35	*35:01:01	*07:02	*08:01	SSO SBT	C*07:39/07:161/07:260, C*08:16:01/08:21/08:72:01
8038	Cao, Kai							*11:01:01	*34:05	*15:35	*35:01:01	*07:02P	*08:01P		
774	Cecka, J. Michael	*11	*34		*35	*07	*08			*15:35				SSP	
4492	Charron, Dominiqu	*11	*34	*15	*35					*15:01				SSP	B*15:04/15:27/15:32/15:34/15:35+
798	Claas, F.H.J.							*11:01:01	*34:05	*15:35	*35:01:01	*07:02:01	*08:01:01	SBT	
3632	Colombe, Beth W.	*11	*34	*15	*35	*07	*08	*11:01	*34:05	*15:35	*35:01	*07:02	*08:01	SSP SSO	
779	Daniel, Claude	*11	*34	*15	*35	*07	*08			*15:20				SSP SSO	
3766	Dunn, Paul	*11	*34	*15	*35	*07	*08							SSO	
5214	Eckels/CPMC,	*11	*34	*15	*35	*07	*08			*15:20					
762	Fischer, Gottfried							*11:01	*34:05	*15:35	*35:01	*07:02	*08:01		C*08:22/08:99/08:102, C*07:50
4079	Fort, Marylise	NT													
3545	Goldstein, Steven							*11:01	*34:05	*15:35	*35:01	*07:02	*08:01	SSO SBT	B*35:42, C*07:50/07:349, C*08:22/08:99/08:102
810	Hamdi, Nuha							*11:01	*34:01	*15:35	*35:01			SSO	A*11:02/11:03, A*34:05, B*15:118/15:129, B*35:17/35:113
8043	Hod, Reut	*11	*34	*15	*35	*07	*08	*11:01	*34:05	*15:35	*35:01	*07:02	*08:01	SSP SSO	
771	Israel, Shoshana	*11	*34	*15	*35	*07	*08	*11:01	*34:05	*15:35	*35:01	*07:02	*08:01	SSP SSO	
725	Lardy, N.M.	*11	*34	*15	*35	*07	*08							SSP SSO	
745	Latham, Katy							*11:01:01	*34:05	*15:35	*35:01	*07:02	*08:01	SSP SSO SBT	B*35:42
278	Lee, Jar-How	*11	*34	*15	*35	*07	*08	*11:01:01	*34:05	*15:35	*35:01:01	*07:02:01	*08:01:01	SSP SSO	
6649	Lim, Young Ae	*11	*34	*15(B62)	*35										
731	Loewenthal, Ron	*11		*15					*34:05		*35:01	*07:02	*08:01	SSO SBT	
759	Lopez-Cepero, May	*11	*34	*15	*35	*07	*08							SSO	
54	Pancoska, Carol	*11	*34	*15	*35	*07	*08							SSO	
8001	Rao, Prakash	*11	*34	*15	*35	*07	*08			*15:35				SSP SSO	
3625	Rees, Tracey	*11	*34	*15	*35	*07	*08	*11:01	*34:05	*15:35	*35:01	*07:02	*08:01		
1160	Rosen-Bronson, Sa	*11	*34	*15	*35	*07	*08							SSO	
793	Rubocki, Ronald	*11	*34	*15	*35	*07	*08							SSP	
4251	Schiller, Jennifer	*11	*34	*15	*35	*07	*08	*11:01	*34:05	*15:35	*35:01:01G	*07:02:01G	*08:01:01G	SSO SBT	
3808	Thornton, Alycia	*11	*34	*15	*35	*07	*08			*15:35		*07:02P			
747	Tiercy, Jean-Marie	NT												SSP SSO SBT	
3186	Watson, Narelle	*11	*34	*15	*35	*07	*08								

Table 15. Individual laboratory results for Cell #1541-1544 by serology

		Cell No 1541 (Hispanic)										Cell No 1542 (Hispanic)										Cell No 1543 (Mixed)								Cell No 1544 (Filipino)								
Investigator	Days Old	Viab %	A1	A68	B35	B63	Cw1	Cw7	Bw4	Bw6	OTHERS	Viab %	A1	A30	B57	B62	Cw1	Cw18	Bw4	Bw6	OTHERS	Viab %	A2	A33	B14	B75	Cw8	Bw6	OTHERS	Viab %	A11	A34	B35	B62	Cw7	Cw8	Bw6	OTHERS
Askar, Medhat	3	90	+	+	+	+		+	+	+		90	+	+	+	+	+		+	+		90	+	+	+	+		+		90	+	+	+	+	+		+	
Bengochea, Ca		50	+	A28	+	+			+	+		50	+	+	+	B15			+	+		0								50	+	A10	+	+			+	
Cecka, J. Mic		95	+	+	+	+			+	+		95	+	+	+	+			+	+		95	+	+	B65	+		+		95	+	+	+	+			+	
Charron, Domi	6	98	+	+	+	+						99	+	+	+	+						99	+	+	+	+				99	+	+	+	+				
Claas, F.H.J.	7	60	+	+	+	+	+		+	+		60	+	+	B17	+	+		+	+		60	+	+	+	B15		+		60	+	+	+	+			+	
Dunn, Paul	7	95	+	+	+	+						95	+	+	+	+						95	+	+	B65	+				95	+	+	+	+				
Enczmann, J		90	+	+	+	+						85	+	+	+	+						80	+	+	B65	+				80	+	+	+	+				
Fort, Marylis	6																																					
Kvam, Vonnett		80	+	A28	+	+			+	+	CW4																											
Latham, Katy	6	80	+	+	+	+			+	+		80	+	+	+	+			+	+		80	+	+	+	+		+		80	+	+	+	+			+	
McCoy, Heathe	3	98	+	+	+	+	+	+	+	+		98	+	+	+	+	+		+	+		98	+	+	B65	+	+	+		98	+	+	+	+	+	+	+	
Pancoska, Car	7	98	+	+	+	+	+	+	+	+		97	+	+	+	+	+		+	+		97	+	+	B65	+	+	+		98	+	+	+	+	+		+	
Permpikul, Ve	7	85	+	+	+	+			+	+		85	+	+	+	+			+	+		85	+	+	+	+		+		85	A11.1	+	+	+			+	
Pule, Ziningi																																						
Rees, Tracey	6	40	+	+	+	+	+		+	+		10										60	+	+	B65	+	+	+		50	+	+	+	+	+	+	+	
Renac, Virgin	7	99	+	A28	+	+			+	+		99	+	+	+	+			+	+		99	+	+	+	B15		+		99	+	A10	+	B15			+	
Rosen-Bronson		90	+	+	+	+	+	+	+	+		90	+	+	+	+	+		+	+		90	+	+	B65	+	+	+		90	+	+	+	+	+	+	+	
Rubocki, Rona	3	NT										NT										NT								NT								
Shai, Isaac	8	92	+	A28	B62	+	+	+	+	+	B53>	90	+	+	+	B63		w6	+	+	B58>	92	+	+	+	+	+		B70>	90	+	+	+	+	+	+	+	B70
Thornton, Aly		90	+	+	+	+	+	+	+	+		90	+	+	+	+			+	+		90	+	+	B65	+	+	+		90	+	+	+	+	+	+	+	
Tiercy, Jean-	7	80	+	A28	+	+			+	+		80	+	+	+	+			+	+																		
Vidan-Jeras,	8		+	+	+	+	+	+	+	+			+	+	+	B15	+		+				+	+	B65	+	+	+			+	+	+	+	+	+	+	
Watson, Narel	10	99	+	A28	+	+			+	+		95	+	A19	+	B15			+	+		99	+	+	B65	+		+		98	+	+	+	B15			+	

Serum Exchange #544

The results for Serum Exchange #544 (**sera 1169 - 1172**), are summarized in Tables 16-20 and individual laboratory results by method are listed in Tables 21 - 28. Sera strongly positive to 7C specificities were examined in this study.

Sample 1169 was reported to be strongly positive to B27 and B13 by all methods. Additional reactivity to other 7C specificities was reported by various methods. Luminex and ELISA also detected strong reactivity 5C, 10C, and 12C specificities, as well as to A23, A24, and B38. This sample was found to be negative for class II.

1169	method	#labs	B27	B13	B7	B47	B60	B61	B57	B58	B44	B81	B37	B41	B42	B55	B48	A23	A24	A25	A68	A32	A33	A69	B38	B53	B63
	NIH-Std	6	67	50	33	17	17	17																			
	NIH-Ext	2	100	100		50			50	50	50																
	AHG	3	100	100	100	67	67	33			33		67	67	67		33	33	33	33	33	33					
	Luminex	25	92	88	88	92	88	84	92	92	92	80	92	80	92	92	80	92	92	88	92	92	92	92	92	92	92
	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	100	100	100	100	100	100	100
	C1q	1	100	100	100	100	100	100				100					100										
	Other	2	50	50	50		50	50				50				50					50						

1169	method	#labs	B49	B52	B51	Cw7	A66	A34	B56	B73	A26	B54	B77	B8	A2	B59	B7C	B82	B8C	A1	A10C	A29	A2C	A31	A80
	NIH-Std	6																							
	NIH-Ext	2																							
	AHG	3					33																		
	Luminex	25	88	88	84	84	72	92	88	88	84	84	84	84	92										
	Flow	1																							
	ELISA	2	100	100	100											100									
	C1q	1				100																			
	Other	2															50	50	50	50	50	50	50	50	50

1169	method	#labs	Neg
	Luminex	9	100
	*Other	4	100

*Other=NIH-Std, Antiglobulin, Luminex PRA, Flow Cytometry

For **sample 1170**, strong anti-B7 reactivity was reported by all methods for this sample. Reactivity to a number of other 7C specificities was also detected by various methods. In addition, Luminex, ELISA, and C1q reported anti-B17 (B57, B58) reactivity. Weaker reactivity to Cw2 and Cw17 was also reported by Luminex. This sample was reported to be non-reactive for class II.

1170	method	#labs	B7	B48	B27	B13	B60	B61	B42	B55	B56	B81	B47	B54	B67	B82	B58	B57	B73	B63	B41	B64	Cw2	Cw17	A66	A6602	B2708	A24	B8	B22	B40	B37	B7C
	NIH-Std	6	100	17	50	17	17	17																									
	NIH-Ext	2	100	50																													
	AHG	3	100	67	100	67	33	33	67	33	33	67	33																	33	33		
	Luminex	25	96	88	96	96	100	100	100	100	100	88	100	100	84	88	84	84	100	76	68	20	80	52	60	48	32		20				
	Flow	1	no antigens assigned																														
	ELISA	2	100	100	50	100	100	100	100	100	100	100	100	100	100		50	50		100	50	50						50					
	C1q	1	100	100	100	100	100	100	100	100	100	100	100	100	100	100			100						100								
	Other	2	50				50	50	50	50	50	50		50	100	100	100	50														50	50

1170	method	#labs	Neg
	Luminex	9	100
	*Other	4	100

Sample 1171 was found to be strongly positive to B7, B42, B55, and B56 by all methods. Additional reactivity to B8, B37, B57, B58, and B59 was reported by various methods. Reactivity to other 5C, 7C, and 8C specificities was detected by Luminex and ELISA as well. In addition, Luminex reported reactivity to a number of C-locus antigens (Cw1, Cw7, Cw8, Cw9, Cw10, Cw12). This sample was reported as being negative for class II.

1171	method	#labs	Neg
	Luminex	9	100
	*Other	4	100

1171	method	#labs	B7	B42	B55	B56	B57	B58	B54	B27	B63	B81	B67	B41	B8	B59	B37	B73	B82	B49	B22	A66	A26	B17	B35	B18	B65	B50
	NIH-Std	6	83	33	50	33	33	17	17											17	17							
	NIH-Ext	2	100	50	50	50	100		50	50					50							50	50					
	AHG	3	100	100	67	67	33	33		67	67	100		33	33						33			33	33			
	Luminex	24	96	100	100	100	100	100	100	96	100	88	83	92	100	83	100	96	92	92					88	92	88	88
	Flow	1	no antigens assigned																									
	ELISA	2	100	100	100	100	100	100	100	100	100	100	100	100	50	100	100									50	50	50
	C1q	1	100	100	100	100	100	100	100	100	100	100	100	100		100	100	100	100									
	Other	2	50	50	50	50	50	50	50		50	50	50						50			50	50					

1171	method	#labs	B75	B62	B38	B39	B64	B46	B72	B78	B51	B53	B71	Cw7	Cw8	Cw12	Cw9	Cw10	Cw1	A43	A29	A2	A25	A2C	A30	A31	A33	A74
	NIH-Std	6																										
	NIH-Ext	2																										
	AHG	3		33																								
	Luminex	24	83	83	79	75	79	79	63	63	71	67	83	92	92	92	83	83	79	83	83							
	Flow	1																										
	ELISA	2	50		100	50	50	50	50	50	50	50										50						
	C1q	1																										
	Other	2																					50	50	50	50	50	50

1172	method	#labs	B7	B27	B42	B55	B56	B81	B61	B60	B48	B67	B8	B54	B57	A29	A31	A32	A34	B13	B59	B82	B64	B65	B73	B47	Cw7
	NIH-Std	6	83	50	33			17																			
	NIH-Ext	2	100	100	50	50			50					50	50												
	AHG	3	100	100	67	67	67	67	33	33	33		67			33	33	33	33	33				33		33	33
	Luminex	24	92	100	100	100	96	79	96	96	83	75	96	100	88	100	100	96	100	88	75	88	79		96	92	92
	Flow	1	no antigens assigned																								
	ELISA	2	100	100	100	100	100	100	100	100	100	100		100	100	100	100	100	50	100	100		100				
	C1q	1	100	100	100	100	100	100				100										100			100		100
	Other	2	50	50	50	50	50	50	50	50	50	100	100								50	50	50	50			

1172	method	#labs	A25	A33	A74	A2	A68	A69	A66	A26	A43	A24	Cw12	Cw17	Cw1	Cw8	Cw9	B58	B18	B46	B63	A3	A1	A10C	A2C	B7C	
	NIH-Std	6																									
	NIH-Ext	2																									
	AHG	3							33										33								
	Luminex	24	100	100	100	100	100	100		96	88	79	96	96	88	88	83	79									
	Flow	1																									
	ELISA	2	100	100	100	50	50	50	50											100	100	50					
	C1q	1																									
	Other	2																					50	50	50	50	

1172	method	#labs	Neg	DP14	DP10	DP17	DP9	DPw1	DR7	DP11	DPw6	DR1	DR12	DR4
	Luminex	12	67	33	8	8	8	8	8	8	8	8	8	8
	*Other	4	75											

*Other=NIH-Std, Antiglobulin, Luminex PRA, Flow Cytometry

For **sample 1172**, strong anti-B7 and -B27 reactivity was reported by all methods. Reactivity to other 7C specificities, as well as to A31, A32, B8, B64, B65, and 10C specificities was reported by various methods. In addition, Luminex detected positivity to a number of C-locus antigens (Cw1, Cw8, Cw9, Cw12, Cw17). Mixed class II reactivity was reported for this sample, as 4 labs detected anti-DP14 reactivity, while 11 labs reported this sample as negative for class II.

Table 16 . Summary of the 544th Serum Exchange (Serum #1169-1172) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard

*** Serum 1169 ***		
6 typing Labs		
Antigen	Consensus	Inclusion
B27	67%	100%
B13	50%	100%
B7	33%	100%
B47	17%	100%
B60	17%	100%
B61	17%	100%

*** Serum 1170 ***		
6 typing Labs		
Antigen	Consensus	Inclusion
B7	100%	100%
B27	50%	67%
B13	17%	100%
B48	17%	100%
B60	17%	100%
B61	17%	100%

*** Serum 1171 ***		
6 typing Labs		
Antigen	Consensus	Inclusion
B7	83%	100%
B55	50%	100%
B42	33%	100%
B56	33%	100%
B57	33%	100%
B22	17%	100%
B49	17%	100%
B54	17%	100%
B58	17%	100%

*** Serum 1172 ***		
6 typing Labs		
Antigen	Consensus	Inclusion
B7	83%	93%
B27	50%	50%
B42	33%	100%
B81	17%	100%

Method: NIH-Extended

*** Serum 1169 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B13	100%	24%
B27	100%	11%
B58	50%	100%
B44	50%	88%
B57	50%	75%
B47	50%	5%

*** Serum 1170 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B7	100%	83%
B48	50%	100%

*** Serum 1171 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B57	100%	100%
B7	100%	100%
A66	50%	100%
B27	50%	100%
B42	50%	100%
B54	50%	100%
B55	50%	100%
B56	50%	100%
A26	50%	75%
B8	50%	50%

*** Serum 1172 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B27	100%	100%
B7	100%	100%
B42	50%	100%
B54	50%	100%
B55	50%	100%
B61	50%	100%
B57	50%	50%

Table 17. Summary of the 544th Serum Exchange (Serum #1169-1172) by Antiglobulin and Other - class I

Method: Antoglobulin

*** Serum 1169 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B13	100%	100%
B27	100%	100%
B7	100%	100%
B37	67%	100%
B41	67%	100%
B42	67%	100%
B47	67%	100%
B60	67%	100%
A23	33%	100%
A24	33%	100%
A25	33%	100%
A66	33%	100%
A68	33%	100%

*** Serum 1170 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B27	100%	100%
B7	100%	100%
B13	67%	100%
B42	67%	100%
B48	67%	100%
B81	67%	100%
B22	33%	100%
B40	33%	100%
B47	33%	100%
B55	33%	100%
B56	33%	100%
B60	33%	100%
B61	33%	100%

*** Serum 1171 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B42	100%	100%
B7	100%	100%
B81	100%	100%
B27	67%	100%
B55	67%	100%
B56	67%	100%
B63	67%	100%
B17	33%	100%
B22	33%	100%
B35	33%	100%
B41	33%	100%
B57	33%	100%
B58	33%	100%

*** Serum 1172 ***		
3 typing Labs		
Antigen	Consensus	Inclusion
B27	100%	100%
B7	100%	100%
B42	67%	100%
B55	67%	100%
B56	67%	100%
B8	67%	100%
B81	67%	100%
A29	33%	100%
A31	33%	100%
A32	33%	100%
A34	33%	100%
A66	33%	100%
B18	33%	100%

Method: Other

*** Serum 1169 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A1	50%	100%
A10C	50%	100%
A29	50%	100%
A2C	50%	100%
A31	50%	100%
A80	50%	100%
B13	50%	100%
B27	50%	100%
B55	50%	100%
B60	50%	100%
B61	50%	100%
B7	50%	100%
B7C	50%	100%
B81	50%	100%
B82	50%	100%
B8C	50%	100%

*** Serum 1170 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B58	100%	100%
B67	100%	100%
B82	100%	100%
B37	50%	100%
B42	50%	100%
B54	50%	100%
B55	50%	100%
B56	50%	100%
B57	50%	100%
B60	50%	100%
B61	50%	100%
B7	50%	100%
B7C	50%	100%
B81	50%	100%
CW7	50%	100%

*** Serum 1171 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A25	50%	100%
A26	50%	100%
A2C	50%	100%
A30	50%	100%
A31	50%	100%
A33	50%	100%
A66	50%	100%
A74	50%	100%
B42	50%	100%
B54	50%	100%
B55	50%	100%
B56	50%	100%
B57	50%	100%
B58	50%	100%
B63	50%	100%
B67	50%	100%
B7	50%	100%

*** Serum 1172 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B67	100%	100%
B8	100%	100%
A1	50%	100%
A10C	50%	100%
A2C	50%	100%
B27	50%	100%
B42	50%	100%
B48	50%	100%
B55	50%	100%
B56	50%	100%
B59	50%	100%
B60	50%	100%
B61	50%	100%
B64	50%	100%
B65	50%	100%
B7	50%	100%
B7C	50%	100%

Table 18. Summary of the 544th Serum Exchange (Serum #1169-1172) by Luminex - class I

*** Serum 1169 ***		
25 typing Labs		
Antigen	Consensus	Inclusion
A2	92%	100%
A23	92%	100%
A24	92%	100%
A32	92%	100%
A33	92%	100%
A34	92%	100%
A68	92%	100%
A69	92%	100%
B27	92%	100%
B37	92%	100%
B38	92%	100%
B42	92%	100%
B44	92%	100%
B47	92%	100%
B53	92%	100%
B55	92%	100%
B57	92%	100%
B58	92%	100%
B63	92%	100%
A25	88%	100%
B13	88%	100%
B49	88%	100%
B52	88%	100%
B56	88%	100%
B60	88%	100%
B7	88%	100%
B73	88%	100%
A26	84%	100%
B51	84%	100%
B54	84%	100%
B61	84%	100%
B77	84%	100%
B8	84%	100%
CW7	84%	95%
B41	80%	100%
B48	80%	100%

*** Serum 1170 ***		
25 typing Labs		
Antigen	Consensus	Inclusion
B42	100%	100%
B47	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B60	100%	100%
B61	100%	100%
B73	100%	100%
B13	96%	100%
B27	96%	100%
B7	96%	100%
B48	88%	100%
B81	88%	100%
B82	88%	100%
B58	84%	100%
B67	84%	100%
B57	84%	88%
CW7	84%	67%
CW2	80%	38%
B63	76%	60%
B41	68%	100%
A66	60%	50%
CW17	52%	100%
A6602	48%	100%
B2708	32%	100%
B64	20%	100%
B8	20%	100%

*** Serum 1171 ***		
24 typing Labs		
Antigen	Consensus	Inclusion
B37	100%	100%
B42	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B57	100%	100%
B58	100%	100%
B63	100%	100%
B8	100%	83%
B27	96%	100%
B7	96%	100%
B73	96%	100%
B41	92%	100%
B49	92%	100%
B82	92%	100%
CW7	92%	86%
B18	92%	83%
CW8	92%	79%
CW12	92%	60%
B65	88%	100%
B81	88%	100%
B35	88%	50%
B50	88%	50%
A43	83%	100%
B59	83%	100%
B67	83%	100%
A29	83%	91%
B62	83%	80%
B71	83%	75%
CW9	83%	67%
CW10	83%	64%
B75	83%	33%
CW1	79%	92%
B64	79%	80%
B46	79%	75%
B38	79%	60%

*** Serum 1172 ***		
24 typing Labs		
Antigen	Consensus	Inclusion
A2	100%	100%
A25	100%	100%
A29	100%	100%
A33	100%	100%
A34	100%	100%
A68	100%	100%
A69	100%	100%
B27	100%	100%
B42	100%	100%
B55	100%	100%
A74	100%	71%
B54	100%	67%
A32	96%	100%
B56	96%	100%
B60	96%	100%
B61	96%	100%
B73	96%	100%
CW12	96%	100%
CW17	96%	100%
B8	96%	75%
A26	96%	71%
A31	92%	100%
B47	92%	100%
B7	92%	100%
CW7	92%	95%
A43	88%	100%
B13	88%	100%
B57	88%	100%
B82	88%	100%
CW1	88%	100%
CW8	88%	92%
B48	83%	100%
CW9	83%	80%
A24	79%	100%
B58	79%	100%
B64	79%	100%

Table 19. Summary of the 544th Serum Exchange (Serum #1169-1172) by ELISA and C1q - class I

Method: ELISA

*** Serum 1169 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A23	100%	100%
A24	100%	100%
A25	100%	100%
A32	100%	100%
A68	100%	100%
A69	100%	100%
B13	100%	100%
B27	100%	100%
B37	100%	100%
B38	100%	100%
B41	100%	100%
B42	100%	100%
B44	100%	100%
B47	100%	100%
B48	100%	100%
B49	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B55	100%	100%
B57	100%	100%
B58	100%	100%
B59	100%	100%
B60	100%	100%
B61	100%	100%
B63	100%	100%
B7	100%	100%
B81	100%	100%
A33	100%	50%

*** Serum 1170 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B13	100%	100%
B42	100%	100%
B47	100%	100%
B48	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B60	100%	100%
B61	100%	100%
B63	100%	100%
B67	100%	100%
B7	100%	100%
B81	100%	100%
B27	50%	100%
B41	50%	100%
B57	50%	100%
B58	50%	100%
B64	50%	100%
A24	50%	50%

*** Serum 1171 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
B27	100%	100%
B37	100%	100%
B38	100%	100%
B41	100%	100%
B42	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B57	100%	100%
B58	100%	100%
B59	100%	100%
B63	100%	100%
B67	100%	100%
B7	100%	100%
B81	100%	100%
A2	50%	100%
B18	50%	100%
B39	50%	100%
B46	50%	100%
B50	50%	100%
B65	50%	100%
B72	50%	100%
B75	50%	100%
B78	50%	100%
B8	50%	100%
B51	50%	50%
B53	50%	50%
B64	50%	50%

*** Serum 1172 ***		
2 typing Labs		
Antigen	Consensus	Inclusion
A25	100%	100%
A29	100%	100%
A31	100%	100%
A32	100%	100%
A33	100%	100%
A74	100%	100%
B13	100%	100%
B27	100%	100%
B42	100%	100%
B46	100%	100%
B48	100%	100%
B54	100%	100%
B55	100%	100%
B56	100%	100%
B57	100%	100%
B59	100%	100%
B60	100%	100%
B61	100%	100%
B63	100%	100%
B64	100%	100%
B67	100%	100%
B7	100%	100%
B81	100%	100%
A2	50%	100%
A3	50%	100%
A34	50%	100%
A66	50%	100%
A68	50%	100%
A69	50%	100%

Method: C1q

*** Serum 1169 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1170 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1171 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

*** Serum 1172 ***		
1 typing Lab		
Antigen	Consensus	Inclusion
no consensus		

Table 20. Summary of the 544th Serum Exchange (Serum #1169-1172) by Luminex and Other - class II

Method: Luminex

*** Serum 1169 ***		
12 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1170 ***		
12 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1171 ***		
12 typing Labs		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1172 ***		
11 typing Labs		
Antigen	Consensus	Inclusion
DP14	36%	100%
DP10	9%	100%
DP17	9%	100%
DP9	9%	100%
DPW1	9%	100%
DR7	9%	100%
DP11	9%	50%
DPW6	9%	50%
DR1	9%	50%
DR12	9%	50%
DR4	9%	50%

Method: Other

*** Serum 1169 ***		
4 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1170 ***		
4 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1171 ***		
4 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

*** Serum 1172 ***		
4 typing Lab		
Antigen	Consensus	Inclusion
no antigens assigned		

Other = NIH-Standard, Antiglobulin, Flow cytometry, Luminex PRA

Table 21. Individual laboratory results for Serum #1169-#1172 by NIH-Standard and NIH-Extended

	**** Serum 1169 ****								**** Serum 1170 ****				**** Serum 1171 ****							**** Serum 1172 ****							
Investigator	% POS	B27	B13	B7				Other	% POS	B7	B27	Other	% POS	B7	B55	B42	B56	B57		Other	% POS	B7	B27	B42			Other	Method
Claas, F.H.J.	9	+	+					B47	15	+	+		30	+	+	+	+	+		B49,B58	25	+	+	+				STD
Fort, Marylise	52	+	+	+				B60,B61		+	+	B60,B61,B48																STD
Reed, Elaine F. PhD	15	+	+						15	+			31	+	+	+	+	+		B54	28	+	+					STD
Thornton, Alycia	0								15	+			20	+	+						14	+	+					STD
Vasilescu, Rodica	35	+		+					42	+	+	B13	40	+						B22	42	+		+			B81	STD
Watson, Narelle	4								20	+			30	+							22	+						STD

	**** Serum 1169 ****								**** Serum 1170 ****				**** Serum 1171 ****								**** Serum 1172 ****							
Investigator	% POS	B13	B27	B58	B44	B57	B47	Other	% POS	B7	B48	Other	% POS	B57	B7	A66	B27	B42	B54	Other	% POS	B27	B7	B42	B54	B55	Other	Method
Dunn, Paul	35	+	+	+	+	+			20	+	+		46	+	+	+	+		+	A26,B8	25	+	+		+	+	B57	EXT
Lardy, N.M.	26	+	+				+		9	+			30	+	+			+		B55,B56	30	+	+	+			B61	EXT

Table 22. Individual laboratory results for Serum #1169-#1172 by Antiglobulin and Other.

	**** Serum 1169 ****																**** Serum 1170 ****													
Investigator	% POS	B13	B27	B7	B37	B41	B42	B47	B60							Other	% POS	B27	B7	B13	B42	B48	B81								Other	Method
Cecka, J. Micl	80	+	+	+	+	+	+	+	+							A24,B61>	48	+	+	+	+	+	+								B60,B61>	Antiglobulin
Hahn, Amy B.		+	+	+	+	+	+	+	+									+	+		+	+	+									Antiglobulin
Vasilescu, Ro	35	+	+	+													28	+	+	+											B40,B22	Antiglobulin

	**** Serum 1171 ****																**** Serum 1172 ****													
Investigator	% POS	B42	B7	B81	B27	B55	B56	B63								Other	% POS	B27	B7	B42	B55	B56	B8	B81							Other	Method
Cecka, J. Micl	43	+	+	+	+	+	+	+								B57,B58>	65	+	+	+	+	+	+	+							B60,B61>	Antiglobulin
Hahn, Amy B.		+	+	+	+	+	+	+								B62,B35		+	+		+	+	+								B49,B65>	Antiglobulin
Vasilescu, Ro	35	+	+	+												B22,B17	35	+	+	+				+							B22	Antiglobulin

	**** Serum 1169 ****																	**** Serum 1170 ****															
Investigator	% POS	B13	B27	B55	B60	B61	B7	B7C	B81	A1	A10C	A29	A2C	A31	A80	Other	% POS	B58	B67	B82	B37	B42	B54	B55	B56	B57	B60	B61	B7	B7C	B81	Other	Method
Phelan, Donn								+		+	+	+	+	+	+	B8C		+	+	+	+					+				+		CW7	Other
Reed, Elaine I	90	+	+	+	+	+	+		+							B82	58	+	+	+		+	+	+	+		+	+	+		+		Other

	**** Serum 1171 ****																**** Serum 1172 ****															
Investigator	% POS	A25	A26	A2C	A30	A31	A33	A66	A74	B42	B54	B55	B56	B57	B58	Other	% POS	B67	B8	A1	A10C	A2C	B27	B42	B48	B55	B56	B59	B60	B61	B64	Other	Method
Phelan, Donn		+	+	+	+	+	+	+	+							B63,CW16>		+	+	+	+	+						+			+	B65,B7C	Other
Reed, Elaine I	82									+	+	+	+	+	+	B82,B7>	96	+	+				+	+	+	+	+		+	+		B82,B7>	Other

Other = Luminex PRA

Table 23. Individual laboratory results for Serum #1169 by Luminex.

	**** Serum 1169 ****																																				
Investigator	% POS	A2	A23	A24	A32	A33	A34	A68	A69	B27	B37	B38	B42	B44	B47	B53	B55	B57	B58	B63	A25	B13	B49	B52	B56	B60	B7	B73	A26	B51	B54	B61	B77	B8	CW7	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B48,A66,B82 >	LMX
Bengochea, Carrett	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+	+		+	+			+	A203,B82,A29,A74 >	LMX
Cecka, J. Michael P	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B67 >	LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B48,B45,B67 >	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B48,A66,B50 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	B48,A66,B82,B45 >	LMX
Hamdi, Nuha	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
Hod, Reut	88	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+			+	+		B40,B48,B50,B82 >	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B48,A66,B50 >	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+				+				A66,B703,B81,B2708	LMX
Libyh/Roulin, Tabary	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B48,B45,B67 >	LMX
Loewenthal , Ron M	22																																				LMX
Martinho, Paiva &		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
McCoy, Heather	62																																				LMX
Pancoska, Carol Ph	69	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
Permpikul, Vejbaesy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B67 >	LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B67 >	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
Rosen-Bronson, Sa	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B45 >	LMX
Terasaki, Paul I. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B67 >	LMX
Thornton, Alycia	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B82,A29,A31 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B82,B67,A29 >	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B50,B82 >	LMX

Table 24. Individual laboratory results for Serum #1170 by Luminex.

	**** Serum 1170 ****																												
Investigator	% POS	B42	B47	B54	B55	B56	B60	B61	B73	B13	B27	B7	B48	B81	B82	B58	B67	B57	CW7	CW2	B63	B41	A66	CW17	A6602	B2708	B64	B8	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+			+		+	+			B8101,B8201	LMX
Bengochea, Carrett	17	+	+	+	+	+	+	+	+		+	+			+										+				B8101	LMX
Cecka, J. Michael P	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+					LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+		+	+	+		+	B8101,CW18,B8201	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+				LMX
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		B39	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Hamdi, Nuha	58	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Hod, Reut	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+				A24,B75,A69,A36	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	CW18	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+		+	+									+			+			B703	LMX
Libyh/Roulin, Tabary	64	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+				+	+			B8101,B8201	LMX
Loewenthal , Ron M	22	+	+	+	+	+	+	+	+	+	+		+										+						B8201	LMX
Martinho, Paiva &		+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+		+			+		+	+	+	A29,A68,B18	LMX
McCoy, Heather	27	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Pancoska, Carol Ph	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Permpikul, Vejbaesy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+							LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+					LMX
Rosen-Bronson, Sa	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Terasaki, Paul I. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Thornton, Alycia	24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+		+		+	+				LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	B39,CW18	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	B39,CW18	LMX

Table 25. Individual laboratory results for Serum #1171 by Luminex.

	**** Serum 1171 ****																																	
Investigator	% POS	B37	B42	B54	B55	B56	B57	B58	B63	B8	B27	B7	B73	B41	B49	B82	CW7	B18	CW8	CW12	B65	B81	B35	B50	A43	B59	B67	A29	B62	B71	CW9	CW10	B75	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	B51,B52,B64,B39 >	LMX
Bengochea, Carrett	30	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+					+				+					B8101,A210,B3901	LMX
Cecka, J. Michael P	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B51,B52,B53,B64 >	LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	A203,B44,B51,B52 >	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,A2,B48,B78 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B52,B53,B64,B77 >	LMX
Fort, Marylise																																			LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B51,B52,B53 >	LMX
Hamdi, Nuha	62	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B51,B52,B53 >	LMX
Hod, Reut	88	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+			+	+	+			+	+	+		+			+	A11,B78,B13,B44 >	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A2,B48,B78 >	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+		+		+	+									B53,B703,B14,B2708	LMX
Libyh/Roulin, Tabary	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	B48,B51,B52,B53 >	LMX
Loewenthal , Ron M	32	+	+	+	+	+	+	+	+	+	+	+	+			+						+			+										LMX
Martinho, Paiva &		+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	B48,B78,B13,B51 >	LMX
McCoy, Heather	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,B78,B51,B64 >	LMX
Pancoska, Carol Ph	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B51,B64,B77 >	LMX
Permpikul, Vejbaesy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	B78,B51,B64,B39 >	LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B51,B52,B53 >	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B52,B53,B64 >	LMX
Rosen-Bronson, Sa	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B78,B51,B52 >	LMX
Terasaki, Paul I. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,B78,B51,B52 >	LMX
Thornton, Alycia	37	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+		B53,B64,B8101,B2708 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B48,B78,B44 >	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A2,B48,B78 >	LMX

Table 26. Individual laboratory results for Serum #1172 by Luminex.

	**** Serum 1172 ****																																				
Investigator	% POS	A2	A25	A29	A33	A34	A68	A69	B27	B42	B55	A74	B54	A32	B56	B60	B61	B73	CW12	CW17	B8	A26	A31	B47	B7	CW7	A43	B13	B57	B82	CW1	CW8	B48	CW9	Other	Method
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A203,A66,B67 >	LMX
Bengochea, Carrett	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+			+					A203,B8101,A2403,A6601 >	LMX
Cecka, J. Michael P	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B67,A23,B64 >	LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	CW6,A24,A203,B67 >	LMX
Dunn, Paul		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A203,A66 >	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Fort, Marylise																																				LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A66,B67,A23 >	LMX
Hamdi, Nuha	78	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Hod, Reut	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			A24,A80,B81,A6601 >	LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+		+	A66,B703,B81,B2708	LMX
Libyh/Roulin, Tabary	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	CW6,A24,A203,B67 >	LMX
Loewenthal , Ron M	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+		+		+			+					A66,B81	LMX
Martinho, Paiva &		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+	+	+	+	+	+	CW4,CW6,A24,A66 >	LMX
McCoy, Heather	66	+	+	+	+	+	+	+	+	+	+	+				+		+		+	+							+	+		+		+		A24,A66,CW10,CW15	LMX
Pancoska, Carol Ph	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Permpikul, Vejbaesy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A66,B67,A23 >	LMX
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,A66,B67,A23 >	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Rosen-Bronson, Sa	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Terasaki, Paul I. Ph		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B67 >	LMX
Thornton, Alycia	58	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A80,B64,B63,B77 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,B67,A1 >	LMX
Vather, Kuben		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A24,A66,B52 >	LMX

Table 27. Individual laboratory results for Serum #1169-#1172 by Elisa, C1q, and Flow Cytometry

	**** Serum 1169 ****																									**** Serum 1170 ****																					
Investigator	% POS	B13	B27	B37	B38	B41	B42	B44	B47	B48	B49	B51	B52	B53	B55	B57	B58	B59	B60	B61	B63	B7	B81	Other	% POS	B13	B42	B47	B48	B54	B55	B56	B60	B61	B63	B67	B7	B81					Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A23>		+	+	+	+	+	+	+	+	+	+	+	+	+					B27>	Elisa
McCoy, Heather	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A23>	26	+	+	+	+	+	+	+	+	+	+	+	+	+					A24>	Elisa

	**** Serum 1171 ****																									**** Serum 1172 ****																					
Investigator	% POS	B27	B37	B38	B41	B42	B54	B55	B56	B57	B58	B59	B63	B67	B7	B81								Other	% POS	B13	B27	B42	B46	B48	B54	B55	B56	B57	B59	B60	B61	B63	B64	B67	B7	B81	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		Elisa
McCoy, Heather	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								A2>	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A25>	Elisa

	**** Serum 1169 ****																									**** Serum 1170 ****																					
Investigator	% POS	B13	B27	B47	B48	B60	B61	B7	B81	CW18	CW7													Other	% POS	A66	B13	B27	B42	B47	B48	B54	B55	B56	B60	B61	B67	B7	B73	B81	B82			Other	Method
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+															+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				C1q
Eckels/CPMC,	91																								69																					FC

	**** Serum 1171 ****																									**** Serum 1172 ****																					
Investigator	% POS	B27	B37	B41	B42	B54	B55	B56	B57	B58	B59	B63	B67	B7	B73	B81	B82							Other	% POS	B27	B42	B55	B56	B67	B7	B73	B81	B82	CW7									Other	Method
Phelan, Donna L.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									+	+	+	+	+	+	+	+	+	+										C1q
Eckels/CPMC,	99																								94																					FC

Table 28. Individual laboratory results for Serum #1169-#1172 by Luminex, Other, and NIH-Std - class II

	**** Serum 1169 ****		**** Serum 1170 ****		**** Serum 1171****		**** Serum 1172 ****													
Investigator	% POS	no antigens assigned	% POS	no antigens assigned	% POS	no antigens assigned	% POS	DP14	DP10	DP17	DP9	DPW1	DR7	DP11	DPW6	DR1	DR12	DR4	Other	Method
Arnold, Paula	0		0		0		0													
Cecka, J. Michael P	0		0		0		0													LMX
Dunn, Paul								+												LMX
Hamdi, Nuha	0		0		0		0	+	+	+	+	+	+	+	+	+	+	+		LMX
Holdsworth, Rhonda	0		0		0		0													LMX
Libyh/Roulin, Tabary	0		0		0		0													LMX
Pancoska, Carol Ph	0		0		0		0													LMX
Permpikul, Vejbaesy	0		0		0		0													LMX
Rosen-Bronson, Sai	0		0		0		0													LMX
Thornton, Alycia	0		0		0		0													LMX
Vather, Kuben	0		0		0		0	+												LMX
Vather, Nelson/								+												LMX

	**** Serum 1169 ****		**** Serum 1170 ****		**** Serum 1171****		**** Serum 1172 ****			
Investigator	% POS	no antigens assigned	% POS	no antigens assigned	% POS	no antigens assigned	% POS	no antigens assigned	Other	Method
Reed, Elaine F. PhD	43		32		38		32			STD
Cecka, J. Michael P	0		0		0		0			AHG
Reed, Elaine F. PhD	0		0		0		0			LMX-PRA
Eckels/CPMC,	0		0		0		0			FC

STD = NIH-Standard
AHG=Antiglobulin
LMX-PRA=Luminex PRA ID's
FC = Flow Cytometry

NEXT MAILING DATE: August 5, 2015

Arlene Locke, David Gjertson, Qiuheng Zhang, and Elaine F. Reed