

REPORT OF THE 395th CELL EXCHANGE

NOVEMBER 2, 2016

B-cell Lines	531-532
Cells	1577-1580
Sera	1205-1208

B-cell Line Exchange #266

The results for B-cell Line Exchange #266 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 Tracey Reese, Welsh Blood Service, Pontyclun for providing the interesting cells studied in our exchanges.

Ter-531. The reported consensus type for this sample is DRB1*04:07-DRB1*13:01-DRB3*02:02-DRB4*01:03-DQA1*01:03-DQA1*03:01-DQB1*03:02-DQB1*06:03-DPA1*01:03-DPB1*02:01-DPB1*03:01/A*02:01-A*24:23-B*15:01-B*51:01-C*03:03-C*03:04. There is no race information available for this cell. One likely class II haplotype in this cell is DRB1*04:07-DRB4*01:03-DQA1*03:01-DQB1*03:02, observed in the workshop cell IH-W9381 (same as Ter 391 and Ter 317). The other likely haplotype present may then be DRB1*13:01-DRB3*02:02-DQA1*01:03-DQB1*06:03, observed in previous exchange cells Ter 415 and Ter 439 (same as Ter 336).

This cell is 26586, the reference cell for A*24:23 (1). It was previously typed in the exchange for class II as Ter 306 (2002) and for class I as extracts 181 (2001), 287 (2004), and 461 (2009). In this present retyping, DRB1*04:07 and DRB1*13:01 were assigned in completed consensus, with 7 labs assigning DRB1*04:07:01 and 8 labs assigning DRB1*13:01:01. DQA1*01:03 (100%), DQA1*03:01 (100%), DQB1*03:02 (100%), and DQB1*06:03 (100%) were the assigned DQ types. DPB1*02:01 and DPB1*03:01 were also reported in complete consensus, with 7 labs assigning DPB1*02:01:02 and DPB1*03:01:01. The class I types were reported as A*02:01 (100%), A*24:23 (95%), B*15:01 (100%), B*51:01 (100%), C*03:03 (100%), and C*03:04 (100%).

Ter-532. The consensus type for this sample from a Filipino donor is DRB1*12:02-DRB1*15:02-DRB3*03:01-DRB5*01:01-DQA1*01:02-DQA1*06:01-DQB1*03:01-DQB1*05:02-DPA1*02:02-DPB1*01:01-DPB1*05:01/A*24:02-A*24:37-B*15:35-B*51:01-C*04:01-C*07:02. Possible class II haplotypes in this cell are DRB1*12:02-DRB3*03:01-DQA1*06:01-DQB1*03:01, observed in Ter 256 and Ter 285 (same as Ter 121) and DRB1*15:02-DRB5*01:01-DQA1*01:02-DQB1*05:02, observed in Ter 516 (same as Ter 433 and Ter 269) and Ter 521 (same as Ter 276) all from Asian donors.

This sample is TER1132, the reference cell for A*24:37 (2). It was previously typed for class I as extract 428 (2008) and extract 242 (2003). In this present study, the DR types were reported as DRB1*12:02 (100%) and DRB1*15:02 (100%). DRB1*12:02:01 and DRB1*15:02:01 were each assigned by 7 labs. DQB1*03:01 and DQB1*05:02 were each reported in completed consensus, with 8 labs reporting DQB1*03:01:01 and DQB1*05:02:01. DPB1*01:01 and DPB1*05:01 were also reported in completed consensus, with 7 labs assigning DPB1*01:01:01 and 8 labs assigning DPB1*05:01:01. A*24:37 (100%) was well assigned in this retyping by labs reporting at high resolution. A*24:02 (95%) was reported as the second a locus type. B*15:35 (95%), B*51:01 (100%), C*04:01 (100%), and C*07:02 (100%) were also well assigned. An offspring of this cell was typed numerous times in the exchange as cells 1132, 1145, 1197, and 1256. The offspring shares the A*24:37-B*15:35-C*07:02 haplotype with this cell. The father of cell 1256 was also studied in the exchange as cells 1198, 1253, and extract 241.

References:

1. Street J, Hammond L, Downing J. et al. Observations on the HLA-A2403 specificity. *Tissue Antigens* 2002;61:330-333.
2. Lebedeva TV, Huang A, Janzen M, et al. Identification of novel HLA class I alleles using allele sequencing. *Tissue Antigens* 2003;62:433-435.

Table 1: Summary of the 266th B-cell Line Exchange

Ter-531

DNA Typing - class II		34 labs High; 38 labs low-DRB1		16 labs High; 29 labs Low-DRB3/4/5		25 labs High; 27 labs Low-DQA1		33 High Labs; 36 labs Low-DQB1		14 High Labs; 13 labs Low-DPA1		27 High Labs; 15 labs Low-DPB1	
		%(n)		%(n)		%(n)		%(n)		%(n)		%(n)	
DNA Typing - class II	DRB1*04:07:01	20(7)	DRB3*02:02:01	19(3)	DQA1*01:03:01:02	4 (1)	DQB1*03:02:01	21(7)	DPA1*01:03:01:01	7 (1)	DPB1*02:01:02	26(7)	
	DRB1*04:07:01G	15(5)	DRB3*02:02:01G	6 (1)	DQA1*01:03:01:01	4 (1)	DQB1*03:02	79(26)	DPA1*01:03:01	14(2)	DPB1*02:01:02G	11(3)	
	DRB1*04:07P	3 (1)	DRB3*02:02	75(12)	DQA1*01:03:01	12(3)	DQB1*03(DQ8)	3 (1)	DPA1*01:03	79(11)	DPB1*02:01	63(17)	
	DRB1*04:07	62(21)	DRB3*02	83(24)	DQA1*01:03	80(20)	DQB1*03	97(35)	DPA1*01	100(13)	DPB1*02(DP0201)	47(7)	
	DRB1*04	100(38)	DRB3*Present	17(5)	DQA1*01	100(27)					DPB1*02	53(8)	
DNA Typing - class II	DRB1*13:01:01	24(8)	DRB4*01:03:01	13(2)	DQA1*03:01:01	16(4)	DQB1*06:03:01	18(6)	DPA1*01:03:01:03	7 (1)	DPB1*03:01:01	26(7)	
	DRB1*13:01:01G	6(2)	DRB4*01:03	81(13)	DQA1*03:01:01G	4 (1)	DQB1*06:03:01G	3 (1)	DPA1*01:03:01	14(2)	DPB1*03:01:01G	19(5)	
	DRB1*13:01	70(24)	DRB4*01:01	6 (1)	DQA1*03:01P	4 (1)	DQB1*06:03	79(26)	DPA1*01:03	79(11)	DPB1*03:01	55(15)	
	DRB1*13	100(38)	DRB4*01	79(23)	DQA1*03:01	76(19)	DQB1*06	100(36)	DPA1*01	100(13)	DPB1*03	100(15)	
			DRB4*Present	21(6)	DQA1*03	100(27)							
DNA Typing - class I	A*02:01:01:01	11(2)	B*15:01:01:01	10(2)	C*03:03:01	30(6)							
	A*02:01:01	5 (1)	B*15:01:01	5 (1)	C*03:03:01G	5 (1)							
	A*02:01	84(16)	B*15:01	85(17)	C*03:03	65(13)							
	A*02	100(25)	B*15(B62)	4 (1)	C*03(Cw9)	4 (1)							
			B*15	96(25)	C*03	96(24)							
DNA Typing - class I	A*24:23	95(18)	B*51:01:01:01	5 (1)	C*03:04:01:02	5 (1)							
	A*24:02//23	5 (1)	B*51:01:01	11(2)	C*03:04:01	20(4)							
	A*24	100(25)	B*51:01:01G	5 (1)	C*03:04	75(15)							
			B*51:01	78(14)	C*03(Cw10)	4 (1)							
			B*51	100(26)	C*03	96(24)							

Table 2: Summary of the 266th B-cell Line Exchange

Ter-532

DNA Typing - class II		34 labs High; 38 labs low-DRB1		19 labs High; 26 labs Low-DRB3/4/5		24 labs High; 26 labs Low-DQA1		33 High Labs; 36 labs Low-DQB1		14 High Labs; 12 labs Low-DPA1		28 High Labs; 16 labs Low-DPB1	
		%(n)		%(n)		%(n)		%(n)		%(n)		%(n)	
DNA Typing - class II		DRB1*12:02:01	21(7)	DRB3*03:01:03	21(4)	DQA1*01:02:01:01	4 (1)	DQB1*03:01:01:01	3 (1)	DPA1*02:02:02	14(2)	DPB1*01:01:01	25(7)
		DRB1*12:02	79(27)	DRB3*03:01	79(15)	DQA1*01:02:01	13(3)	DQB1*03:01:01	21(7)	DPA1*02:02P	7 (1)	DPB1*01:01:01G	7 (2)
		DRB1*12	100(38)	DRB3*03	81(21)	DQA1*01:02P	4 (1)	DQB1*03:01:01G	3 (1)	DPA1*02:02	79(11)	DPB1*01:01	68(19)
				DRB3*Present	19(5)	DQA1*01:02	75(18)	DQB1*03:01	73(24)	DPA1*02	100(12)	DPB1*01	100(16)
						DQA1*01:02:09	4 (1)	DQB1*03(DQ7)	3 (1)				
						DQA1*01	100(26)	DQB1*03	97(35)				

DNA Typing - class I		20 labs High; 26 labs low- A		24 labs High; 25 labs low- B		19 labs High; 27 labs low- C		22 labs High; 25 labs low- B		19 labs High; 27 labs low- C	
		%(n)		%(n)		%(n)		%(n)		%(n)	
DNA Typing - class I		A*24:02:01:01	15(3)	B*15:35	96(23)	C*04:01:01:01	16(3)				
		A*24:02:01	10(2)	B*15:01	4 (1)	C*04:01:01	11(2)				
		A*24:02	70(14)	B*15(B62)	4 (1)	C*04:01:01G	5 (1)				
		A*24:02/37	5 (1)	B*15	96(24)	C*04:01	68(13)				
		A*24	100(26)			C*04	100(27)				

Table 3a: Individual laboratory results for B-cell #531-Class II

Center	Investigator	Low resolution												METHOD	Other Alleles
		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1			
5488	Adams , Sharon			3*02	4*01									SSP SSO SBT	
5462	Arnold , Paula	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02	*03	SSP SSO SBT RT-PCR	
4492	Caillat-Zucman , So	*04	*13	3*PRESENT	4*PRESENT			*03	*06					SSO NGS	
774	Cecka , J. Michael	*04	*13	3*02	4*01	*01	*03	*03	*06			*02	*03	SSP SSO	
3224	Chen , Dong-Feng			3*02	4*01									SSP SSO SBT	
3632	Colombe , Beth W.	*04	*13	3*02	4*01	*01	*03	*03	*06	*01		NT	NT	SSP SSO	
5130	Costeas , Paul A.	*04	*13	3*02	4*01	*01	*03	*03	*06						
779	Daniel , Claude	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02(DP0201)	*03		
5219	Daniel , Dolly	*04	*13					*03	*06					SSO	
8099	Danish , Adel	*04	*13			*01	*03	*03	*06					SSO	
1108	DeConinck , Martha	*04	*13	3*02	4*01	*01	*03	*03	*06	*01				SSO	
87	Di Paola , Nicholas	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02(DP0201)	*03	RT-PCR	
5214	Eckels/CPMC ,	*04	*13	3*02	4*01	*01	*03	*03 (DQ8)	*06	*01	*01	*02(DP0201)	*03	SSO	
747	Ferrari-Lacraz , Sylv	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02	*03		
4079	Fort , Marylise	*04	*13					*03	*06					SSP SSO	
792	Gandhi , Manish	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02	*03	SSP SSO SBT	
8043	Gideon , Osnat	*04	*13			*01	*03	*03	*06					SSP SSO	
8087	Guerra , Q.F.B. Elba	*04	*13			*01	*03	*03	*06					SSO	
810	Hamdi , Nuha	*04	*13	3*02	4*01	*01	*03	*03	*06					SSO	
1694	Hesse , Nicole	*04	*13	3*PRESENT	4*PRESENT			*03	*06					SSP	
771	Israel , Shoshana	*04	*13					*03	*06					SSP SSO	
794	Jaatinen , Taina	*04	*13	3*02	4*01	*01	*03	*03	*06	*01		*02	*03	SSP SSO SBT RT-PCR	
725	Lardy , N.M.	*04	*13	3*PRESENT	4*PRESENT	*01	*03	*03	*06					SSO	
278	Lee , Jar-How	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02	*03		
6649	Lim , Young Ae	*04	*13	3*PRESENT	4*PRESENT									SSP	
2400	Liu , Chang	*04	*13	3*02	4*01	*01	*03	*03	*06			*02	*03	SSP SSO SBT	
731	Loewenthal , Ron	*04	*13			*01	*03	*03	*06					SSO SBT	
206	McAlack , Robert	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02	*03		
8042	Muncher , Liora	*04	*13	3*02	4*01	NT	NT	*03	*06	NT	NT	NT	NT	SSP SSO	
54	Pancoska , Carol	*04	*13	3*02	4*01	*01	*03	*03	*06	*01		*02(DP0201)	*03		
8001	Rao , Prakash	*04	*13	3*02	4*01	*01	*03	*03	*06					SSP SSO	
3519	Renac , Virginie	*04	*13					*03	*06			*02(DP0201)	*03	SSP NGS	
793	Rubocki , Ronald	*04	*13	3*02	4*PRESENT	*01	*03	*03	*06			*02(DP0201)	*03	SSP	
4251	Schiller , Jennifer	*04	*13	3*02	4*01	*01	*03	*03	*06	*01	*01	*02(DP0201)	*03	SSO SBT NGS	
8068	Shanmugam , Hem	*04	*13	3*02	4*01			*03	*06					SSO	
8029	Tarigopula , Anil	*04	*13			*01	*03	*03	*06					SSO	
5451	Tilanus , Marcel G.	*04	*13	3*02	4*01	*01	*03	*03	*06					SSO SBT	
5642	Varnavidou-Nicolaic	*04	*13	3*PRESENT	4*PRESENT			*03	*06					SSP	
2847	Wakita , Atsushi	*04	*13											SSO	
8052	Yanina Marcos , Cir	*04	*13			*01	*03	*03	*06					SSO	

Table 3b: Individual laboratory results for B-cell #531-Class II

High resolution															
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
5488	Adams , Sharon	*04:07:01	*13:01:01			*01:03	*03:01	*03:02	*06:03			*02:01:02	*03:01:01	SSP SSO SBT	DRB1*04:92
5462	Arnold , Paula	*04:07P	*13:01	3*02:02	4*01:03	*01:03	*03:01P	*03:02	*06:03	*01:03	*01:03	*02:01	*03:01	SSP SSO SBT RT-PCR	DRB1*04:92 DRB3*02:28 DRB3*02:29N DRB3*02:33 DQA1*01:10 DQA1*03:03 DPA1*01:13
5133	Askar , Medhat	*04:07:01	*13:01:01	3*02:02:01	4*01:03:01	*01:03:01	*03:01:01	*03:02:01	*06:03:01	*01:03:01		*02:01:02	*03:01:01	NGS	DRB1*04:92
4492	Caillat-Zucman , S	*04:07	*13:01:01	3*02:02	4*01:03	*01:03:01	*03:01:01	*03:02:01	*06:03:01	*01:03	*01:03	*02:01:02	*03:01:01	SSO NGS	DPA1*01:13
774	Cecka , J. Michae	*04:07	*13:01	3*02:02	4*01:03	*01:03	*03:01	*03:02	*06:03			*02:01	*03:01	SSP SSO	DRB1*04:92 DRB1*13:166 DRB1*13:173 DRB1*13:186 DRB3*02:28 DRB3*02:29N DRB4*01:09 DQB1*06:41 DQB1*06:90 DQB1*06:110 DQB1*06:148
8070	Chang , Uckjin	*04:07	*13:01												
9916	Charlton , Ronald	*04:07:01	*13:01:01	3*02:02	4*01:03			*03:02:01	*06:03:01			*02:01:02	*03:01:01	SBT	DRB1*04:92 DRB3*02:30, DRB3*02:32, DRB3*02:33 DRB4*01:10
3224	Chen , Dong-Feng	*04:07:01G	*13:01:01G			*01:03:01	*03:01	*03:02:01	*06:03:01G	*01:03:01		*02:01	*03:01	SSP SSO SBT	
8021	Clark , Brendan	*04:07	*13:01	3*02:02:01	4*01:03	*01:03	*03:01	*03:02	*06:03	*01:03		*02:01	*03:01	NGS	
3632	Colombe , Beth W	*04:07	*13:01	NT	NT	*01:03	*03:01	*03:02	*06:03	*01:03		NT	NT	SSP SSO	
5130	Costeas , Paul A.	*04:07	*13:01	3*02:02	4*01:03	*01:03	*03:01	*03:02	*06:03						DQB1*06:61
779	Daniel , Claude					*01:03	*03:01	*03:02	*06:03	*01:03	*01:03	*02:01	*03:01		
5214	Eckels/CPMC ,											*02:01:02G	*03:01:01G	SSO	
3135	Enczmann , J	*04:07	*13:01	3*02:02	4*01:03			*03:02	*06:03			*02:01:02	*03:01:01		
747	Ferrari-Lacraz , Sy	*04:07:01	*13:01:01	3*02:02	4*01:03	*01:03	*03:01	*03:02	*06:03	*01:03	*01:03	*02:01	*03:01		DRB1*13:117 DQA1*03:02 DQA1*03:03 DPA1*01:13 DQA1*01:10
762	Fischer , Gottfried	*04:07:01	*13:01:01	3*02:02:01	4*01:03:01	*01:03:01:02	*03:01:01	*03:02:01	*06:03:01			*02:01:02	*03:01:01	SSO NGS	

Table 3b: Individual laboratory results for B-cell #531-Class II

High resolution															
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
4079	Fort , Marylise	*04:07	*13:01			*01:03	*03:01	*03:02	*06:03			*02:01	*03:01	SSP SSO	DQA1*01:10 DRB1*13:117 DQB1*03:85 DRB1*04:92 DRB1*13:105 DRB1*13:112 DQB1*06:41 DQB1*06:90 DQB1*06:110 DQB1*06:148 DQA1*03:02 DQA1*03:03
792	Gandhi , Manish	*04:07	*13:01			*01:03	*03:01	*03:02	*06:03			*02:01	*03:01	SSP SSO	
8043	Gideoni , Osnat	*04:07	*13:01			*01:03	*03:01	*03:02	*06:03					SSP SSO	
810	Hamdi , Nuha	NT												SSO	
2344	Hurley , Hartzman	*04:07:01	*13:01:01			*01:03:01:01	*03:01:01	*03:02:01	*06:03:01	*01:03:01:01	*01:03:01:03	*02:01:02	*03:01:01	SSO NGS	DQA1*01:03:01:02
771	Israel , Shoshana	*04:07	*13:01					*03:02	*06:03					SSP SSO	
794	Jaatinen , Taina	*04:07	*13:01	3*02:02	4*01:03	*01:03	*03:01	*03:02	*06:03	*01:03		*02:01	*03:01	SSP SSO SBT RT-PCR	DPB1*414:01 DPB1*124:01 DRB1*13:105 DRB1*04:92 DRB1*13:117 DRB1*13:166 DRB1*13:190 DRB4*01:09 DQA1*01:10 DQA1*03:02 DQA1*03:03 DPB1*352:01 DPB1*416:01 DPA1*01:13 DPB1*104:01
8086	Keming , Du	*04:07	*13:01			*01:03	*03:01	*03:02	*06:03	*01:03	*01:03	*02:01	*03:01	SSP SSO SBT	DRB1*13:112 DRB1*04:92 DRB1*13:105 DRB1*13:166 DRB1*13:173 DRB1*13:117 DRB1*13:121
4337	Kim , Tai-Gyu	*04:07	*13:01					*03:02	*06:03			*02:01	*03:01	SSP SBT	
278	Lee , Jar-How	*04:07	*13:01	3*02:02	4*01:03	*01:03	*03:01	*03:02	*06:03	*01:03	*01:03	*02:01	*03:01		
2400	Liu , Chang	*04:07:01G	*13:01			*01:03	*03:01	*03:02	*06:03			*02:01:02G	*03:01:01G	SSP SSO SBT	
731	Loewenthal , Ron	*04:07:01G	*13:01:01G					*03:02:01	*06:03:01					SSO SBT	
8042	Muncher , Liora	*04:07	*13:01	3*02:02	4*01:03	NT	NT	*03:02	*06:03	NT	NT	NT	NT	SSP SSO	
3966	Permpikul , Vejba	*04:07	*13:01	3*02:02	4*01:03			*03:02	*06:03					SSP	
8001	Rao , Prakash	*04:07	*13:01					*03:02	*06:03			*02:01	*03:01:01G	SSP SSO	

Table 3b: Individual laboratory results for B-cell #531-Class II

High resolution															
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
3753	Reed , Elaine F.	*04:07:01G	*13:01	3*02:02:01G	4*01:01	*01:03	*03:01:01G	*03:02	*06:03	*01:03	*01:03	*02:01	*03:01:01G	SSO SBT	DRB4*01:09 DQB1*03:23 DQB1*06:32 DRB4*01:03 DQA1*01:10 DQB1*03:08 DQB1*06:63 DPA1*01:13 DPB1*461:01 DRB4*01:06 DPB1*352:01 DPB1*414:01
3519	Renac , Virginie	*04:07	*13:01			*01:03	*03:01	*03:02	*06:03			*02:01	*03:01	SSP NGS	
793	Rubocki , Ronald					*01:03	*03:01					*02:01	*03:01	SSP	
4251	Schiller , Jennifer	*04:07:01G	*13:01			*01:03	*03:01	*03:02	*06:03	*01:03	*01:03	*02:01:02G	*03:01:01G	SSO SBT NGS	
5451	Tilanus , Marcel G	*04:07:01	*13:01:01											SSO SBT	
5642	Varnavidou-Nicola	*04:07	*13:01					*03:02	*06:03					SSP	
3511	Zeevi , Adriana	*04:07	*13:01	3*02:02	4*01:03	*01:03	*03:01	*03:02	*06:03			*02:01	*03:01	SSP SSO	

Table 4: Individual laboratory results for B-cell #531-Class II

	Serology								
CTR	DIRNAME	DR4	DR13	DR52	DR53	DQ1	DQ3	OTH1	OTH2
910	Hahn,Amy B.	+	+	+	+	+	+		

Table 5: Individual laboratory results for B-cell #531-Class I

Center	Investigator	Low resolution						High/Intermediate resolution						METHOD	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
5488	Adams , Sharon			*15	*51			*02:01	*24:23			*03:03:01	*03:04:01	SSP SSO SBT	C*03:227 A*02:327 C*03:20N A*02:294
5462	Arnold , Paula	NT												SSP SSO SBT RT-PCR	
5133	Askar , Medhat							*02:01:01:01	*24:23	*15:01:01:01	*51:01:01:01	*03:03:01	*03:04:01	NGS	
4492	Caillat-Zucman , Sc							*02:01:01	*24:23	*15:01:01	*51:01:01	*03:03:01	*03:04:01	SSO NGS	
774	Cecka , J. Michael	*02	*24	*15	*51	*03	*03							SSP SSO	
9916	Charlton , Ronald K							*02:01	*24:23	*15:01	*51:01	*03:03:01	*03:04:01	SBT	A*02:294 B*51:193 A*02:43N A*02:327
3224	Chen , Dong-Feng							*02:01	*24:23	*15:01	*51:01:01G	*03:03	*03:04	SSP SSO SBT	
8021	Clark , Brendan							*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	NGS	
5130	Costeas , Paul A.	*02	*24	*15	*51	*03	*03	*02:01	*24:02/23	*15:01	*51:01	*03:03	*03:04		B*15:228 B*51:41N B*51:84 B*51:94
779	Daniel , Claude	*02	*24	*15	*51	*03	*03			*15:01		*03:03	*03:04		
5219	Daniel , Dolly	*02	*24	*15	*51	*03	*03							SSO	
8099	Danish , Adel	*02	*24	*15	*51	*03	*03							SSO	
1108	DeConinck , Martha	*02	*24	*15	*51	*03								SSO	
87	Di Paola , Nicholas	*02	*24	*15	*51	*03	*03							RT-PCR	
5214	Eckels/CPMC ,	*02	*24	*15 (B62)	*51	*03 (Cw9)	*03 (Cw10)							SSO	
3135	Enczmann , J							*02:01	*24:23	*15:01	*51:01	*03:03	*03:04		A*02:01L
747	Ferrari-Lacraz , Sylv	NT													
792	Gandhi , Manish	*02	*24	*15	*51	*03	*03	*02:01	*24:23	*15:01	*51:01	*03:03:01	*03:04	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*02	*24	*15	*51	*03	*03							SSO	
810	Hamdi , Nuha	*02	*24	*15	*51	*03	*03							SSO	
1694	Hesse , Nicole	*02	*24	*15	*51	*03								SSP	
2344	Hurley , Hartzman&							*02:01:01:01	*24:23	*15:01:01:01	*51:01:01	*03:03:01	*03:04:01:02	SSO NGS	
794	Jaatinen , Taina	*02	*24	*15	*51	*03		*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSP SSO SBT RT-PCR	A*02:327 C*03:227 A*02:294
8086	Keming , Du							*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSP SSO SBT	A*02:294 A*02:327
4337	Kim , Tai-Gyu							*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSP SBT	
278	Lee , Jar-How	*02	*24	*15	*51	*03	*03	*02:01	*24:23	*15:01	*51:01	*03:03	*03:04		
2400	Liu , Chang	*02	*24	*15	*51	*03	*03	*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSP SSO SBT	
206	McAlack , Robert	*02	*24	*15	*51	*03	*03								
8042	Muncher , Liora	*02	*24	*15	*51	*03	*03	*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSP SSO	
54	Pancoska , Carol	*02	*24	*15	*51	*03									
3966	Permpikul , Vejbaes	*02	*24	*15	*51	*03	*03			*15:01				SSP	

Table 5: Individual laboratory results for B-cell #531-Class I

Center	Investigator	Low resolution						High/Intermediate resolution						METHOD	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
3753	Reed , Elaine F.							*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSO SBT	C*03:20N B*15:56 B*51:02 B*51:104 B*51:185 C*03:46 B*15:135 B*51:07 B*51:37 B*51:63 B*51:147 A*02:327 B*15:30 B*15:38 B*15:39 B*51:61 B*51:193 A*02:294 C*03:227 B*15:04 B*15:63 B*15:239 B*15:202 B*51:06
3519	Renac , Virginie	*02	*24	*15	*51	*03		*02:01	*24:23	*15:01	*51:01	*03:03	*03:04	SSP NGS	
4251	Schiller , Jennifer	*02	*24	*15	*51	*03	*03	*02:01	*24:23	*15:01	*51:01	*03:03:01G	*03:04	SSO SBT NGS	
8068	Shanmugam , Hem	*02	*24	*15	*51	*03								SSO	
8029	Tarigopula , Anil	*02	*24	*15	*51	*03	*03							SSO	
2847	Wakita , Atsushi	*02	*24	*15	*51	*03	*03							SSO	
8052	Yanina Marcos , Ci	*02	*24	*15	*51	*03	*03							SSO	

Table 6a: Individual laboratory results for B-cell #532-Class II

Low resolution														METHOD	Other Alleles
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1			
5488	Adams , Sharon			3*03	5*01									SSP SSO SBT	
5462	Arnold , Paula	*12	*15	3*03	5*01	*01	*06	*03	*05	*02		*01	*05	SSP SSO SBT RT-PCR	
4492	Caillat-Zucman , Sc	*12	*15	3*PRESENT	5*PRESENT			*03	*05					SSO NGS	
774	Cecka , J. Michael	*12	*15	3*03	5*01	*01	*06	*03	*05			*01	*05	SSP SSO	
3224	Chen , Dong-Feng				5*01									SSP SSO SBT	
3632	Colombe , Beth W.	*12	*15	3*03	5*01	*01	*06	*03	*05	*02		*01	*05	SSP SSO	
5130	Costeas , Paul A.	*12	*15	3*03	5*01	*01	*06	*03	*05						
779	Daniel , Claude	*12	*15	3*03	5*01	*01	*06	*03	*05	*02		*01	*05		
5219	Daniel , Dolly	*12	*15					*03	*05					SSO	
8099	Danish , Adel	*12	*15			*01	*06	*03	*05					SSO	
1108	DeConinck , Martha	*12	*15	3*03	5*01	*01	*06	*03	*05	*02				SSO	
87	Di Paola , Nicholas	*12	*15	3*03	5*01	*01	*06	*03	*05	*02	*02	*01	*05	RT-PCR	
5214	Eckels/CPMC ,	*12	*15	3*03	5*01	*01	*06	*03 (DQ7)	*05	*02		*01	*05	SSO	
747	Ferrari-Lacraz , Syl	*12	*15	3*03	5*01			*03	*05			*01	*05		
4079	Fort , Marylise	*12	*15					*03	*05					SSP SSO	
792	Gandhi , Manish	*12	*15	3*03	5*01	*01	*06	*03	*05	*02	*02	*01	*05	SSP SSO SBT	
8043	Gideoni , Osnat	*12	*15			*01	*06	*03	*05					SSP SSO	
8087	Guerra , Q.F.B. Elb	*12	*15			*01	*06	*03	*05					SSO	
810	Hamdi , Nuha	*12	*15		5*01	*01	*06	*03	*05					SSO	
1694	Hesse , Nicole	*12	*15	3*PRESENT	5*PRESENT			*03	*05					SSP	
771	Israel , Shoshana	*12	*15					*03	*05					SSP SSO	
794	Jaatinen , Taina	*12	*15	3*03	5*01	*01	*06	*03	*05	*02		*01	*05	SSP SSO SBT RT-PCR	
725	Lardy , N.M.	*12	*15	3*PRESENT	5*PRESENT	*01	*06	*03	*05					SSO	
278	Lee , Jar-How	*12	*15	3*03	5*01	*01	*06	*03	*05	*02	*02	*01	*05		
6649	Lim , Young Ae	*12	*15	3*PRESENT	5*PRESENT									SSP	
2400	Liu , Chang	*12	*15	3*03	5*01	*01	*06	*03	*05			*01	*05	SSP SSO SBT	
731	Loewenthal , Ron	*12	*15			*01	*06	*03	*05					SSO SBT	
206	McAlack , Robert	*12	*15	3*03	5*01	*01	*06	*03	*05	*02	*02	*01	*05		
8042	Muncher , Liora	*12	*15	NT	NT	NT	NT	*03	*05	NT	NT	NT	NT	SSP SSO	
54	Pancoska , Carol	*12	*15	3*03	5*01	*01	*06	*03	*05	*02		*01	*05		
8001	Rao , Prakash	*12	*15	3*03	5*01	*01	*06	*03	*05					SSP SSO	
3519	Renac , Virginie	*12	*15					*03	*05			*01	*05	SSP NGS	
793	Rubocki , Ronald	*12	*15	3*03	5*PRESENT	*01	*06	*03	*05			*01	*05	SSP	
4251	Schiller , Jennifer	*12	*15	3*03	5*01	*01	*06	*03	*05	*02	*02	*01	*05	SSO SBT NGS	
8068	Shanmugam , Hem	*12	*15	3*03	5*01			*03	*05					SSO	
8029	Tarigopula , Anil	*12	*15			*01	*06	*03	*05					SSO	
5451	Tilanus , Marcel G.	*12	*15	3*03	5*01	*01	*06	*03	*05					SSO SBT	
5642	Varnavidou-Nicolaic	*12	*15	3*PRESENT	5*PRESENT			*03	*05					SSP	
2847	Wakita , Atsushi	*12	*15											SSO	
8052	Yanina Marcos , Cir	*12	*15			*01	*06	*03	*05					SSO	

Table 6b: Individual laboratory results for B-cell #532-Class II

High resolution															
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
5488	Adams , Sharon	*12:02	*15:02			*01:02	*06:01	*03:01:01	*05:02:01			*01:01:01	*05:01:01	SSP SSO SBT	
5462	Arnold , Paula	*12:02	*15:02	3*03:01	5*01:01	*01:02P	*06:01	*03:01	*05:02	*02:02P		*01:01	*05:01	SSP SSO SBT RT-PCR	DQA1*01:08 DQA1*01:11 DPA1*02:06 DRB5*01:15 DRB5*01:16 DRB5*01:17
5133	Askar , Medhat	*12:02:01	*15:02:01	3*03:01:03	5*01:01:01	*01:02:01	*06:01:01	*03:01:01	*05:02:01	*02:02:02		*01:01:01	*05:01:01	NGS	
4492	Caillat-Zucman , Sc	*12:02:01	*15:02:01	3*03:01	5*01:01	*01:02:01	*06:01:01	*03:01:01	*05:02:01	*02:02		*01:01:01	*05:01:01	SSO NGS	
774	Cecka , J. Michael	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02			*01:01	*05:01	SSP SSO	DRB5*01:16 DRB5*01:17 DQB1*03:73 DQB1*03:92 DQB1*03:93
8070	Chang , Uckjin	*12:02	*15:02												
9916	Charlton , Ronald K	*12:02:01	*15:02:01	3*03:01	5*01:01			*03:01:01	*05:02:01			*01:01:01	*05:01:01	SBT	DRB3*03:04 DRB5*01:17 DRB5*01:16
3224	Chen , Dong-Feng	*12:02	*15:02	3*03:01	NT	*01:02	*06:01	*03:01	*05:02	*02:02		*01:01	*05:01	SSP SSO SBT	
8021	Clark , Brendan	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02	*02:02		*01:01	*05:01	NGS	
3632	Colombe , Beth W.	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02	*02:02		*01:01	*05:01	SSP SSO	
5130	Costeas , Paul A.	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02						
779	Daniel , Claude					*01:02	*06:01	*03:01	*05:02	*02:02		*01:01	*05:01		
5214	Eckels/CPMC ,			3*03:01								*01:01:01G	*05:01:01G	SSO	
3135	Enczmann , J	*12:02	*15:02	3*03:01:03	5*01:01			*03:01	*05:02			*01:01	*05:01:01		
747	Ferrari-Lacraz , Syl	*12:02:01	*15:02:01	3*03:01:03	5*01:01:01	*01:09	*06:01	*03:01:01	*05:02:01	*02:02	*02:02	*01:01:01	*05:01:01		DPA1*02:06 DPA1*02:06
762	Fischer , Gottfried	*12:02:01	*15:02:01	3*03:01:03	5*01:01:01	*01:02:01	*06:01:01	*03:01:01	*05:02:01			*01:01:01	*05:01:01	SSO NGS	
4079	Fort , Marylise	*12:02	*15:02			*01:02	*06:01	*03:01	*05:02			*01:01	*05:01	SSP SSO	DQB1*03:29 DQB1*03:35 DQB1*03:42 DQB1*05:17 DQB1*05:19 DQB1*05:34 DQB1*05:36 DQB1*05:37 DQB1*05:46 DQA1*01:08 DQB1*05:57 DQA1*01:11 DQB1*03:27 DQB1*03:28
792	Gandhi , Manish	*12:02	*15:02					*03:01	*05:02			*01:01	*05:01	SSP SSO SBT	
8043	Gideoni , Osnat	*12:02	*15:02			*01:02	*06:01	*03:01	*05:02					SSP SSO	

Table 6b: Individual laboratory results for B-cell #532-Class II

High resolution															
Center	Investigator	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
810	Hamdi , Nuha			3*03:01										SSO	
2344	Hurley , Hartzman	*12:02:01	*15:02:01			*01:02:01:01	*06:01:01	*03:01:01:01	*05:02:01	*02:02:02	*02:02:02	*01:01:01	*05:01:01	SSO NGS	DQA1*01:02:01:04 DQB1*03:01:01:02 DQB1*03:01:01:03 DQA1*01:02:01:02 DQA1*01:02:01:03
771	Israel , Shoshana	*12:02	*15:02					*03:01	*05:02					SSP SSO	
794	Jaatinen , Taina	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02	*02:02		*01:01	*05:01	SSP SSO SBT RT-PCR	DRB5*01:15 DQA1*01:11 DPB1*417:01 DPB1*135:01 DQA1*01:08
8086	Keming , Du	*12:02	*15:02			*01:02	*06:01	*03:01	*05:02	*02:02	*02:02	*01:01	*05:01	SSP SSO SBT	DRB1*15:19
4337	Kim , Tai-Gyu	*12:02	*15:02					*03:01	*05:02			*01:01	*05:01	SSP SBT	
278	Lee , Jar-How	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02	*02:02	*02:02	*01:01	*05:01		
2400	Liu , Chang	*12:02	*15:02			*01:02	*06:01	*03:01	*05:02			*01:01:01G	*05:01:01G	SSP SSO SBT	
731	Loewenthal , Ron	*12:02	*15:02					*03:01:01	*05:02:01					SSO SBT	
8042	Muncher , Liora	*12:02	*15:02					*03:01	*05:02					SSP SSO	
3966	Permpikul , Vejbae	*12:02	*15:02	3*03:01	5*01:01			*03:01	*05:02					SSP	
8001	Rao , Prakash	*12:02	*15:02					*03:01:01G	*05:02:01G			*01:01	*05:01:01G	SSP SSO	
3753	Reed , Elaine F.	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02	*02:02	*02:02	*01:01	*05:01	SSO SBT	DPB1*327:01 DPB1*346:01 DPB1*326:01 DPB1*417:01 DPB1*436:01 DPB1*135:01 DPB1*300:01 DQA1*01:08 DQA1*01:11 DQB1*03:73 DPB1*403:01N DPB1*226:01 DPB1*317:01 DPB1*395:01 DQB1*05:05 DRB5*01:15 DQB1*03:29 DQB1*05:79
3519	Renac , Virginie	*12:02	*15:02			*01:02	*06:01	*03:01	*05:02			*01:01	*05:01	SSP NGS	
793	Rubocki , Ronald					*01:02	*06:01					*01:01	*05:01	SSP	
4251	Schiller , Jennifer	*12:02	*15:02			*01:02	*06:01	*03:01	*05:02	*02:02	*02:02	*01:01	*05:01	SSO SBT NGS	
5451	Tilanus , Marcel G.	*12:02:01	*15:02:01											SSO SBT	
5642	Varnavidou-Nicolai	*12:02	*15:02					*03:01	*05:02					SSP	
3511	Zeevi , Adriana	*12:02	*15:02	3*03:01	5*01:01	*01:02	*06:01	*03:01	*05:02			*01:01	*05:01	SSP SSO	

Table 7: Individual laboratory results for B-cell #532-Class II									
Serology									
CTR	DIRNAME	DR12	DR15	DR52	DR51	DQ1	DQ7	OTH1	OTH2
910	Hahn,Amy B.	+	+	+	+	+	+		

Table 8: Individual laboratory results for B-cell #532-Class I

Center	Investigator	Low resolution						High/Intermediate resolution						METHOD	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
5488	Adams , Sharon					*04	*07	*24:02	*24:37	*15:35	*51:01:02			SSP SSO SBT	
5462	Arnold , Paula	NT						NT						SSP SSO SBT RT-PCR	
5133	Askar , Medhat							*24:02:01:01	*24:37	*15:35	*51:01:02	*04:01:01:01	*07:02:01:01	NGS	
4492	Caillat-Zucman , Sc							*24:02:01	*24:37	*15:35	*51:01:02	*04:01:01	*07:02:01	SSO NGS	
774	Cecka , J. Michael	*24		*15	*51	*04	*07			*15:35	*51:01			SSP SSO	
9916	Charlton , Ronald K							*24:02	*24:37	*15:35	*51:01:02	*04:01:01	*07:02:01	SBT	A*24:11N
3224	Chen , Dong-Feng							*24:02	*24:37	*15:35	*51:01	*04:01:01G	*07:02:01G	SSP SSO SBT	
8021	Clark , Brendan							*24:02:01	*24:37	*15:35	*51:01	*04:01	*07:02	NGS	
5130	Costeas , Paul A.	*24	*24	*15	*51	*04	*07	*24:02/37	*24:37	*15:35	*51:01	*04:01	*07:02		
779	Daniel , Claude	*24		*15	*51	*04	*07			*15:35					
5219	Daniel , Dolly	*24	*24	*15	*51	*04	*07							SSO	
8099	Danish , Adel	*24	*24	*15	*51	*04	*07							SSO	
1108	DeConinck , Martha	*24		*15	*51	*04	*07							SSO	
87	Di Paola , Nicholas	*24	*24	*15	*51	*04	*07							RT-PCR	
5214	Eckels/CPMC ,	*24		*15 (B62)	*51	*04	*07							SSO	
3135	Enczmann , J							*24:02	*24:37	*15:35	*51:01	*04:01	*07:02		C*04:09N
747	Ferrari-Lacraz , Syl	*24	*24	*15	*51	*04	*07	*24:02:01:01	*24:37	*15:35	*51:01:02	*04:01:01:01	*07:02:01:01		
792	Gandhi , Manish	*24	*24	*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSP SSO SBT	
8087	Guerra , Q.F.B. Elb	*24	*24	*15	*35	*04	*07							SSO	
810	Hamdi , Nuha	*24	*24			*04	*07			*15:35	*51:01			SSO	
1694	Hesse , Nicole	*24		*15	*51	*04	*07							SSP	
2344	Hurley , Hartzman&							*24:02:01:01	*24:37	*15:35	*51:01:02	*04:01:01:01	*07:02:01:01	SSO NGS	
794	Jaatinen , Taina	*24		*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSP SSO SBT RT-PCR	C*04:30 C*04:82 C*07:50 C*07:349
8086	Keming , Du							*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSP SSO SBT	
4337	Kim , Tai-Gyu							*24:02	*24:37	*15:35	*51:01:02	*04:01	*07:02	SSP SBT	
278	Lee , Jar-How	*24	*24	*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02		
2400	Liu , Chang	*24	*24	*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSP SSO SBT	
206	McAlack , Robert	*24	*24	*15	*51	*04	*07								
8042	Muncher , Liora	*24	*24	*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSP SSO	
54	Pancoska , Carol	*24		*15	*51	*04	*07								
3966	Permpikul , Vejbae	*24	*24	*15	*51	*04	*07			*15:01				SSP	

Table 8: Individual laboratory results for B-cell #532-Class I

		Low resolution						High/Intermediate resolution							
Center	Investigator	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
3753	Reed , Elaine F.							*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSO SBT	C*04:29 C*07:50 C*07:76 C*07:172 C*07:402 C*04:61 C*04:82 C*07:307 C*07:125 C*04:07 C*04:42 C*07:241 C*04:220 C*04:226 C*04:09N C*04:30 C*04:58 C*04:04 C*04:166 C*07:37 C*07:64 C*07:349
3519	Renac , Virginie	*24		*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSP NGS	
4251	Schiller , Jennifer	*24	*24	*15	*51	*04	*07	*24:02	*24:37	*15:35	*51:01	*04:01	*07:02	SSO SBT NGS	
8068	Shanmugam , Hem	*24		*15	*51	*04	*07							SSO	
8029	Tarigopula , Anil	*24	*24	*15	*51	*04	*07							SSO	
2847	Wakita , Atsushi	*24		*15	*51	*04	*07							SSO	
8052	Yanina Marcos , Cil	*24	*24	*15	*51	*04	*07							SSO	

CELL EXCHANGE #395

The results for Cell Exchange #395 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 1577. The reported type for this sample from a Hispanic donor is A*02:01(A2)-A*03:01(A3)-B*35:03(B35)-B*57:03(B57)-C*04:01(Cw4)-C*07:01(Cw7). The likely associations in this cell are B*35:03-C*04:01 and B*57:03-C*07:01, with respective frequencies of 0.01028 and 0.00483, in Hispanics. A*02:01 (100%) and A*03:01 (100%) were the reported A-locus types. B*35:03 was reported by 94% of labs reporting at high resolutions, with 6 labs assigning B*35:03:01. B*57:03 (100%) was reported as the second B-locus type, with 5 labs reporting B*57:03:01. Good consensus was also achieved for the C-locus, as 100% of labs reporting at high resolution assigned C*04:01 and C*07:01. C*04:01:01:01 was assigned by 4 labs and C*07:01:02 was assigned by 5 labs. A2 (100%), A3 (100%), B35 (100%), B57 (100%), Cw4 (50%), and Cw7 (45%) were reported by serology.

Cell 1578. The reported type for this sample from a Hispanic donor is A*02:01(A2)-A*02:06-B*35:01(B35)-B*39:02(B39)-C*04:01(Cw4)-C*07:02(Cw7). The likely class I haplotypes present are A*02:01-B*39:02-C*07:02 and A*02:06-B*35:01-C*04:01, with respective frequencies of 0.00051 and 0.00142, in Hispanics. Two subtypes of A2 were present in this cell, A*02:01 (100%) and A*02:06 (100%). A*02:01:01:01 and A*02:06:01:01 were each assigned by 4 labs. B*35:01 and B*39:02 were reported in complete consensus as the B-locus types, with 3 labs assigning B*35:01:01:02 and 6 labs assigning B*39:02:02. The C-locus types were reported as C*04:01 (100%) and C*07:02 (100%), with C*04:01:01:01 reported by 4 labs and C*07:02:01 reported by 5 labs. By serology, A2 (100%), B35 (100%), B39 (100%), Cw4 (50%), and Cw7 (45%) were reported.

Cell 1579. The reported type for this sample from a donor of mixed Caucasian and Hispanic heritage is A*01:01(A1)-A*11:01(A11)-B*35:01(B35)-B*57:01(B57)-C*04:01(Cw4)-C*06:02(Cw6). The likely class I haplotypes present in this cell, A*11:01-B*35:01-C*04:01 and A*01:01-B*57:01-C*06:02, are observed commonly across all populations. A*11:01-B*35:01-C*04:01 is observed in Hispanics, with HF=0.00687, and A*01:01-B*57:01-C*06:02 is observed in Caucasians, with HF=0.01985. A*01:01, A*11:01, B*35:01, B*57:01, C*04:01, and C*06:02 were all reported in complete consensus by labs reporting at high resolution. A number of labs reported higher resolution results; 5 labs assigned A*01:01:01:01, 3 labs assigned A*11:01:01:01, 4 labs assigned B*35:01:01 and B*57:01:01, 3 labs assigned C*04:01:01:01 and C*06:02:01:01. By serology, good agreement was achieved as A1, A11, B35, and B57 were all reported in complete consensus. Cw4 (50%) and Cw6 (39%) were the reported C-locus types.

Cell 1580. The reported type for this sample from a Hispanic donor is A*24:02(A24)-B*15:03(B72)-B*39:01(B39)-C*02:10(Cw2)-C*07:02(Cw7). One probable association present in this cell is B*39:01-C*07:02, observed in Hispanics, with HF=0.00477. The other likely association is B*15:03-C*02:10, observed in previous exchange cells, cell 1463 and extract 540. A*24:02 was reported in complete consensus, with 4 labs assigning A*24:02:01. A24 (100%) was reported by serology as the sole A-locus type. B*15:03 (100%) and B*39:01 (100%) were the reported B-locus types, with 4 labs assigning B*15:03:01 and 3 labs assigning B*39:01:01:03. By serology, B39 was detected in complete agreement. The assignment of the second B-locus type proved to be more challenging, as B72 was assigned by 44%, B70 by 33%, B15 by 11%, and B35 by 5%. C*02:10 and C*07:02 were the reported C-locus types, with 2 labs assigning C*02:10:01 and 3 labs assigning C*07:02:01:01.

Table 9. Summary of the 395th Cell Exchange (Cell #1577 - 1580)

DNA typing

Cell 1577	
22 low/15 high labs - A	%(n)
A*02:01:01:01	27(4)
A*02:01:01	6 (1)
A*02:01	67(10)
A*02	22(100)
22 low/15 high labs - A	%(n)
A*03:01:01	33(5)
A*03:01	67(10)
A*03	100(22)
22 low/17 high labs - B	%(n)
B*35:03:01	35(6)
B*35:03	59(10)
B*35:01	6 (1)
B*35	100(22)
22 low/17 high labs - B	%(n)
B*57:03:01	29(5)
B*57:03	71(12)
B*57	100(22)
21 low/15 high Labs - C	%(n)
C*04:01:01:01	27(4)
C*04:01:01	6 (1)
C*04:01P	6 (1)
C*04:01	60(9)
C*04	100(21)
21 low/15 high Labs - C	%(n)
C*07:01:02	33(5)
C*07:01:01G	7 (1)
C*07:01	60(9)
C*07	100(21)

Cell 1578	
22 low/14 high labs - A	%(n)
A*02:01:01:01	29(4)
A*02:01:01	14(2)
A*02:01	57(8)
A*02	100(22)
16 high labs - A	%(n)
A*02:06:01:01	25(4)
A*02:06:01	6 (1)
A*02:06	69(11)
22 low/16 high labs - B	%(n)
B*35:01:01:02	19(3)
B*35:01:01	13(2)
B*35:01:01G	6 (1)
B*35:01	62(10)
B*35	100(22)
22 low/17 high labs - B	%(n)
B*39:02:02	35(6)
B*39:02	65(11)
B*39	100(22)
21 low/14 high Labs - C	%(n)
C*04:01:01:01	29(4)
C*04:01:01	7 (1)
C*04:01P	7 (1)
C*04:01	57(8)
C*04	100(21)
21 low/15 high Labs - C	%(n)
C*07:02:01	33(5)
C*07:02:01G	7 (1)
C*07:02	60(9)
C*07	100(21)

Cell 1579	
21 low/13 high labs - A	%(n)
A*01:01:01:01	38(5)
A*01:01	62(8)
A*01	100(21)
21 low/13 high labs - A	%(n)
A*11:01:01:01	23(3)
A*11:01:01	15(2)
A*11:01	62(8)
A*11	100(21)
21 low/13 high labs - B	%(n)
B*35:01:01:02	15(2)
B*35:01:01	15(2)
B*35:01:01G	8 (1)
B*35:01	62(8)
B*35	100(21)
21 low/14 high labs - B	%(n)
B*57:01:01	29(4)
B*57:01	71(10)
B*57	100(21)
20 low/13 high Labs - C	%(n)
C*04:01:01:01	23(3)
C*04:01:01	8 (1)
C*04:01P	8 (1)
C*04:01	61(8)
C*04	100(20)
20 low/13 high Labs - C	%(n)
C*06:02:01:01	23(3)
C*06:02:01	8 (1)
C*06:02:01G	8 (1)
C*06:02	61(8)
C*06	100(20)

Cell 1580	
21 low/12 high labs - A	%(n)
A*24:02:01:01	17(2)
A*24:02:01	17(2)
A*24:02	66(8)
A*24	100(21)
21 low/16 high labs - B	%(n)
B*15:03:01	25(4)
B*15:03:01G	6 (1)
B*15:03	69(11)
B*15(B72)	10(2)
B*15	90(19)
21 low/13 high labs - B	%(n)
B*39:01:01:03	23(3)
B*39:01:01	8 (1)
B*39:01:01G	8 (1)
B*39:01P	8 (1)
B*39:01	54(7)
B*39	100(21)
20 low/13 high labs - C	%(n)
C*02:10:01:01	8 (1)
C*02:10:01	8 (1)
C*02:10	77(10)
C*02:02	8 (1)
C*02	100(20)
20 low/13 high labs - C	%(n)
C*07:02:01:01	23(3)
C*07:02:01	23(3)
C*07:02:01G	8 (1)
C*07:02	46(6)
C*07	100(13)

Table 10. Summary of the 395th Cell Exchange (Cell #1577 - 1580)

Serological typing

(Hispanic) Cell 1577 (20 Samples Typed)	
A2	100.0%
	[100.0%]
A3	100.0%
B35	100.0%
B57	100.0%
	[100.0%]
Cw4	50.0%
	[50.0%]
Cw7	45.0%
Bw4	80.0%
Bw6	80.0%
Others Found	
B63	5.0%

(Hispanic) Cell 1578 (20 Samples Typed)	
A2	100.0%
	[100.0%]
B35	100.0%
B39	100.0%
	[100.0%]
Cw4	50.0%
	[50.0%]
Cw7	45.0%
Bw6	80.0%
Others Found	
B70	5.0%
A28	5.0%

(Mixed) Cell 1579 (18 Samples Typed)	
A1	100.0%
A11	94.4%
A11.1	5.6%
	[100.0%]
B35	100.0%
B57	100.0%
	[100.0%]
Cw4	50.0%
	[50.0%]
Cw6	38.9%
	[38.9%]
Bw4	77.8%
Bw6	77.8%
Others Found	
A2	5.6%

(Hispanic) Cell 1580 (18 Samples Typed)	
A24	100.0%
	[100.0%]
B72	44.4%
B70	33.3%
	[77.8%]
B39	100.0%
	[100.0%]
Cw2	50.0%
Cw7	44.4%
Bw6	77.8%
Others Found	
B15	11.1%
Bw4	5.6%
A30	5.6%
B35	5.6%

Table 11. Individual laboratory results for Cell #1577

Center	Investigator	Low Resolution						High Resolution						Method	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
5462	Arnold , Paula	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01	SSP SSO SBT RT-PCR	
5133	Askar , Medhat							*02:01:01:01	*03:01:01	*35:03:01	*57:03:01	*04:01:01:01	*07:01:02	NGS	
4492	Caillat-Zucman , So	*02	*03	*35	*57	*04	*07							SSP	
774	Cecka , J. Michael	*02	*03	*35	*57	*04	*07			*35:03	*57:03			SSP SSO	B*57:70 B*35:70
8070	Chang , Uckjin							*02:01	*03:01	*35:01	*57:03	*04:01	*07:01	SBT	
798	Claas , F.H.J.							*02:01:01	*03:01:01	*35:03:01	*57:03:01	*04:01:01	*07:01:02	SBT	
3632	Colombe , Beth W.	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01	SSP SSO	
779	Daniel , Claude	*02	*03	*35	*57	*04	*07								
5214	Eckels/CPMC ,	*02	*03	*35	*57	*04	*07							SSO	
747	Ferrari-Lacraz , Sylv	*02	*03	*35	*57	*04	*07	*02:01:01:01	*03:01:01	*35:03:01	*57:03:01	*04:01:01:01	*07:01:02	SSO SBT	
762	Fischer , Gottfried							*02:01:01:01	*03:01:01	*35:03:01	*57:03	*04:01:01:01	*07:01:02	SBT NGS	
4079	Fort , Marylise	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01	SSP SSO	C*07:153
3545	Goldstein , Steven	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01	SSP SSO SBT	C*04:82 C*04:30 C*04:226 C*07:18 C*07:06 C*07:343
810	Hamdi , Nuha	*02	*03	*35	*57	*04	*07							SSO	
771	Israel , Shoshana	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01	SSP SSO	
725	Lardy , N.M.	*02	*03	*35	*57	*04	*07							SSO	
745	Latham , Katy							*02:01:01:01	*03:01:01	*35:03:01	*57:03:01	*04:01:01:01	*07:01:02	SSP SBT NGS	
278	Lee , Jar-How	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01		
6649	Lim , Young Ae	*02	*03	*35	*57									SSP	
54	Pancoska , Carol	*02	*03	*35	*57	*04	*07								
8001	Rao , Prakash	*02	*03	*35	*57	*04	*07							SSO	
3625	Rees , Tracey	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01	*07:01		
793	Rubocki , Ronald	*02	*03	*35	*57	*04	*07							SSP	
4251	Schiller , Jennifer	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03	*57:03	*04:01P	*07:01:01G	SSO SBT	
3808	Thornton , Alycia	*02	*03	*35	*57	*04	*07			*35:03	*57:03			SSP SBT	
3186	Watson , Narelle	*02	*03	*35	*57	*04	*07							SSO	
16	Zhang , Aiwen	*02	*03	*35	*57	*04	*07	*02:01	*03:01	*35:03:01	*57:03:01	*04:01	*07:01	SSO SBT	A*02:95 A*02:237 A*02:24 A*02:338 A*03:05:01 A*03:07 A*03:17:01 A*03:23:01 A*03:95 A*03:108 C*04:29 C*04:54 C*04:112 C*04:166 C*07:09 C*07:27:01 C*07:28 C*07:73 C*07:108:02 A*02:195 B*35:04:01 C*04:15:02 A*02:26 A*02:35:01

Table 12. Individual laboratory results for Cell #1578

Center	Investigator	Low Resolution						High Resolution						Method	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
5462	Arnold , Paula	*02	*02	*35	*39	*04	*07	*02:01	*02:06	*35:01	*39:02	*04:01	*07:02	SSP SSO SBT RT-PCR	
5133	Askar , Medhat							*02:01:01:01	*02:06:01:01	*35:01:01	*39:02:02	*04:01:01:01	*07:02:01	NGS	
4492	Caillat-Zucman , Sc	*02		*35	*39	*04	*07								
774	Cecka , J. Michael	*02	*02	*35	*39	*04	*07		*02:06		*39:02			SSP SSO	A*02:106 A*02:278 A*02:290 A*02:328 A*02:330 A*02:333 A*02:404 A*02:405 A*02:419 A*02:428 A*02:471 A*02:472 A*02:476N A*02:493 A*02:506N B*39:13 B*39:23
8070	Chang , Uckjin							*02:01	*02:06	*35:01	*39:02	*04:01	*07:02	SBT	
798	Claas , F.H.J.							*02:01:01	*02:06:01	*35:01:01	*39:02:02	*04:01:01	*07:02:01	SBT	
3632	Colombe , Beth W.	*02	*02	*35	*39	*04	*07	*02:01	*02:06	*35:01	*39:02	*04:01	*07:02	SSP SSO	
779	Daniel , Claude	*02	*02	*35	*39	*04	*07								
5214	Eckels/CPMC ,	*02	*02	*35	*39	*04	*07							SSO	
747	Ferrari-Lacraz , Syl	*02	*02	*35	*39	*04	*07	*02:01:01:01	*02:06:01:01	*35:01:01:02	*39:02:02	*04:01:01:01	*07:02:01	SSO SBT	
762	Fischer , Gottfried							*02:01:01:01	*02:06:01:01	*35:01:01:02	*39:02:02	*04:01:01:01	*07:02:01	SBT NGS	
4079	Fort , Marylise	*02		*35	*39	*04	*07	*02:01	*02:06	*35:01	*39:02	*04:01	*07:02	SSP SSO	A*02:157
3545	Goldstein , Steven	*02		*35	*39	*04	*07	*02:01	*02:06	*35:01	*39:02	*04:01	*07:02	SSP SSO SBT	B*35:42 C*04:82 C*07:50 C*04:30 C*04:226 C*07:349
810	Hamdi , Nuha	*02	*02	*35	*39	*04	*07							SSO	
771	Israel , Shoshana	*02		*35	*39	*04	*07	*02:01	*02:06	*35:01	*39:02	*04:01	*07:02	SSP SSO	
725	Lardy , N.M.	*02		*35	*39	*04	*07							SSO	
745	Latham , Katy							*02:01:01:01	*02:06:01:01	*35:01:01:02	*39:02:02	*04:01:01:01	*07:02:01	SSP SBT NGS	
278	Lee , Jar-How	*02	*02	*35	*39	*04	*07	*02:01	*02:06	*35:01	*39:02	*04:01	*07:02		
6649	Lim , Young Ae	*02		*35	*39									SSP	
54	Pancoska , Carol	*02		*35	*39	*04	*07								
8001	Rao , Prakash	*02		*35	*39	*04	*07							SSO	
3625	Rees , Tracey	*02	*02	*35	*39	*04	*07	NT	*02:06	*35:01	*39:02	NT	*07:02		B*35:40N
793	Rubocki , Ronald	*02		*35	*39	*04	*07							SSP	
4251	Schiller , Jennifer	*02	*02	*35	*39	*04	*07	*02:01	*02:06	*35:01:01G	*39:02	*04:01P	*07:02:01G	SSO SBT	
3808	Thornton , Alycia	*02		*35	*39	*04	*07			*35:01	*39:02			SSP SBT	B*35:42
3186	Watson , Narelle	*02	*02	*35	*39	*04	*07							SSO	

Table 12. Individual laboratory results for Cell #1578

Center	Investigator	Low Resolution						High Resolution						Method	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
16	Zhang , Aiwon	*02	*02	*35	*39	*04	*07	*02:01:01	*02:06	*35:01	*39:02:02	*04:01	*07:02	SSO SBT	B*35:29:01 B*35:42:01 C*04:07 C*07:64 C*07:76:01 C*07:172:01 B*39:13:01 C*04:29 C*04:42:02 C*04:58 C*04:166 C*07:125 C*07:307

Table 13. Individual laboratory results for Cell #1579

Center	Investigator	Low Resolution						High Resolution						Method	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
5462	Arnold , Paula	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01	*57:01	*04:01	*06:02	SSP SSO SBT RT-PCR	
5133	Askar , Medhat							*01:01:01:01	*11:01:01:01	*35:01:01	*57:01:01	*04:01:01:01	*06:02:01:01	NGS	
4492	Caillat-Zucman , So	*01	*11	*35	*57	*04	*06							SSP	
774	Cecka , J. Michael	*01	*11	*35	*57	*04	*06				*57:01			SSP SSO	
8070	Chang , Uckjin							*01:01	*11:01	*35:01	*57:01	*04:01	*06:02	SBT	
798	Claas , F.H.J.							*01:01:01:01	*11:01:01	*35:01:01	*57:01:01	*04:01:01	*06:02:01	SBT	
3632	Colombe , Beth W.	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01	*57:01	*04:01	*06:02	SSP SSO	
779	Daniel , Claude	*01	*11	*35	*57	*04	*06								
5214	Eckels/CPMC ,	*01	*11	*35	*57	*04	*06							SSO	
747	Ferrari-Lacraz , Sylv													SSO SBT	
762	Fischer , Gottfried							*01:01:01:01	*11:01:01:01	*35:01:01:02	*57:01:01	*04:01:01:01	*06:02:01:01	SBT NGS	
4079	Fort , Marylise	*01	*11	*35	*57	*04	*06							SSP SSO	
3545	Goldstein , Steven	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01	*57:01	*04:01	*06:02	SSP SSO SBT	C*04:30 C*04:82 C*06:83 C*04:226 B*35:42
810	Hamdi , Nuha	*01	*11	*35	*57	*04	*06							SSO	
771	Israel , Shoshana	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01	*57:01	*04:01	*06:02	SSP SSO	
725	Lardy , N.M.	*01	*11	*35	*57	*04	*06							SSO	
745	Latham , Katy							*01:01:01:01	*11:01:01:01	*35:01:01:02	*57:01:01	*04:01:01:01	*06:02:01:01	SSP SBT NGS	
278	Lee , Jar-How	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01	*57:01	*04:01	*06:02		
6649	Lim , Young Ae	*01	*11	*35	*57									SSP	
54	Pancoska , Carol	*01	*11	*35	*57	*04	*06								
8001	Rao , Prakash	*01	*11	*35	*57	*04	*06							SSO	
3625	Rees , Tracey	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01	*57:01	*04:01	*06:02		B*35:42 C*06:83 C*06:116N
793	Rubocki , Ronald	*01	*11	*35	*57	*04	*06							SSP	
4251	Schiller , Jennifer	*01	*11	*35	*57	*04	*06	*01:01	*11:01	*35:01:01G	*57:01	*04:01P	*06:02:01G	SSO SBT	
3808	Thornton , Alycia	*01	*11	*35	*57	*04	*06							SSP SBT	
3186	Watson , Narelle	*01	*11	*35	*57	*04	*06							SSO	
16	Zhang , Aiwen	*01	*11	*35	*57	*04	*06	*01:01:01:01	*11:01:01	*35:01	*57:01	*04:01	*06:02	SSO SBT	A*01:26 A*11:17 A*11:112 A*11:155 A*11:199 B*35:27 C*04:166 C*06:06 A*01:28 A*11:44 A*01:98 A*01:25 A*01:43 B*35:42:01 B*57:60 C*04:94:01 C*06:28

Table 14. Individual laboratory results for Cell #1580

Center	Investigator	Low Resolution						High Resolution						Method	Other Alleles
		HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
5462	Arnold , Paula	*24		*15	*39	*02	*07	*24:02		*15:03	*39:01P	*02:10	*07:02	SSP SSO SBT RT-PCR	B*39:01L
5133	Askar , Medhat							*24:02:01		*15:03:01	*39:01:01:03	*02:10:01:01	*07:02:01:01	NGS	
4492	Caillat-Zucman , So	*24		*15	*39	*02	*07							SSP	
774	Cecka , J. Michael	*24		*15	*39	*02	*07			*15:03				SSP SSO	B*15:103 B*15:220
8070	Chang , Uckjin							*24:02		*15:03	*39:01	*02:10	*07:02	SBT	
798	Claas , F.H.J.							*24:02:01		*15:03:01	*39:01:01	*02:10:01	*07:02:01	SBT	
3632	Colombe , Beth W.	*24		*15	*39	*02	*07	*24:02		*15:03	*39:01	*02:10	*07:02:01	SSP SSO	
779	Daniel , Claude	*24		*15	*39	*02	*07			*15:03					
5214	Eckels/CPMC ,	*24		*15 (B72)	*39	*02	*07							SSO	
747	Ferrari-Lacraz , Sylv													SSO SBT	
762	Fischer , Gottfried							*24:02:01:01		*15:03:01	*39:01:01:03	*02:10	*07:02:01:01	SBT NGS	
4079	Fort , Marylise	*24		*15	*39	*02	*07							SSP SSO	
3545	Goldstein , Steven	*24		*15	*39	*02	*07	*24:02		*15:03	*39:01	*02:10	*07:02	SSP SSO SBT	B*39:05 C*07:349 B*15:61 C*07:50
810	Hamdi , Nuha	*24	*24	*15	*39	*02	*07							SSO	
771	Israel , Shoshana	*24		*15	*39	*02	*07	*24:02		*15:03	*39:01	*02:10	*07:02	SSP SSO	
725	Lardy , N.M.	*24		*15	*39	*02	*07							SSO	
745	Latham , Katy							*24:02:01:01		*15:03:01	*39:01:01:03	*02:10	*07:02:01:01	SSP SBT NGS	
278	Lee , Jar-How	*24	*24	*15	*39	*02	*07	*24:02	*24:02	*15:03	*39:01	*02:02	*07:02		
6649	Lim , Young Ae	*24		*15	*39									SSP	
54	Pancoska , Carol	*24		*15	*39	*02	*07								
8001	Rao , Prakash	*24		*15 (B72)	*39	*02	*07							SSO	
3625	Rees , Tracey	*24	*24	*15	*39	*02	*07	NT	NT	*15:03	*39:01	*02:10	*07:02		B*15:103 B*15:220
793	Rubocki , Ronald	*24		*15	*39	*02	*07							SSP	
4251	Schiller , Jennifer	*24	*24	*15	*39	*02	*07	*24:02	*24:02	*15:03:01G	*39:01:01G	*02:10	*07:02:01G	SSO SBT	
3808	Thornton , Alycia	*24		*15	*39	*02	*07			*15:03				SSP SBT	
3186	Watson , Narelle	*24	*24	*15	*39	*02	*07							SSO	
16	Zhang , Aiwen	*24	*24	*15	*39	*02	*07	*24:02	*24:02	*15:03	*39:01	*02:10	*07:02:01	SSO SBT	B*15:61 B*15:103 B*39:05:01 C*02:55 B*15:220 C*02:27:02 C*07:39 C*07:76

Table 15. Individual laboratory results for Cell #1577-1580 by serology

Investigator	Days Old	Cell No 1577 (Hispanic)										Cell No 1578 (Hispanic)							Cell No 1579 (Mixed)							Cell No 1580 (Hispanic)												
		Viab %	A2	A3	B35	B57	Cw4	Cw7	Bw4	Bw6	OTHERS	Viab %	A2	B35	B39	Cw4	Cw7	Bw6	OTHERS	Viab %	A1	A11	B35	B57	Cw4	Cw6	Bw4	Bw6	OTHERS	Viab %	A24	B72	B39	Cw2	Cw7	Bw6	OTHERS	
Cecka, J. Mic	2	>95	+	+	+	+					>95	+	+	+					>95	+	+	+	+						>95	+	+	+						
Claas, F.H.J.	6	90	+	+	+	+	+				90	+	+	+	+				90	+	+	+	+	+				90	+	+	+	+						
Dunckley, Hea		90	+	+	+	+					60	+	+	+					90	+	+	+	+					90	+	+	+							
Enczmann, J		90	+	+	+	+					85	+	+	+					70	+	+	+	+					80	+	+	+							
Ferrari-Lacra		70	+	+	+	+	+	+	+		70	+	+	+	+	+	+																					
Fort, Marylis	3	98	+	+	+	+					98	+	+	+																								
Hahn, Amy B.		99	+	+	+	+					99	+	+	+					99	+	+	+	+					90	+	+	+					+		
Juarez, Fabio			+	+	+	+	+	+	+			+	+	+	+	+	+			+	+	+	+	+	+	+			+	+	+	+	+	+				
Latham, Katy	3	95	+	+	+	+					90	+	+	+					90	+	+	+	+					90	+	+	+	+						
Pancoska, Car	2	98	+	+	+	+					98	+	+	+					98	+	+	+	+					98	+	+	+	+					+	
Permpikul, Ve	6	90	+	+	+	+					90	+	+	+					90	+	A11.1	+	+					90	+		+						+	
Pule, Ziningi		80	+	+	+	+	+	+			80	+	+	+	+	+			80	+	+	+	+	+	+			75	+	B35	+	+	+				A30	
Rees, Tracey	3	80	+	+	+	+	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	+	+	+		90	+	B70	+	+	+	+				
Renac, Virgin	3	100	+	+	+	+					100	+	+	+					100	+	+	+	+					100	+	B70	+							
Rubocki, Rona		98	+	+	+	+	+	+	+		98	+	+	+	+	+	+		98	+	+	+	+	+	+	+	+	98	+	B70	+	+	+	+				
Shai, Isaac	13	82	+	+	+	+	+	+	+		84	+	+	+	+	+	+	B70, A28	82	+	+	+	+	+	+	+	+	80	+	B70	+	+	+	+			Bw4	
Thornton, Aly	8	90	+	+	+	+	+	+	+		90	+	+	+	+	+	+		90	+	+	+	+	+	+	+		90	+	B70	+	+	+	+				
Vidan-Jeras,	6	100	+	+	+	+	+	+	+		100	+	+	+	+	+	+		100	+	+	+	+	+	+	+		95	+	B15	+	+	+	+			B15	
Watson, Narel	8	90	+	+	+	+					90	+	+	+					90	+	+	+	+				95	+	B15	+							B15	
Zhang, Aiwen	2	95	+	+	+	+	+	+			95	+	+	+	+	+			95	+	+	+	+	+				95	+	B70	+	+	+					

SERUM EXCHANGE #553

The results for **Serum Exchange 553 (sera 1205 - 1208)**, are summarized in Tables 16-21 and individual laboratory results by method are listed in

Tables 22-30. Sera reactive to B13, B16(B38 and B39), and B60 anti-sera were examined in this study.

1205		method	#labs	B13	B49	B50	B44	B45	B51	B41	B60	B61	B40	B35	B37	B52	B53	B62	B71	B72	B18	A68	A33	B38	B39	B3901	B75	B47	B57	B58	B63	B78	B7801	B48	B59	B56			
class I	NIH-Std		4	100																																			
	NIH-Ext		2	100	50	50																																	
	AHG		3	100	67	67	100	67	67	67	33	67		33	33	33	33	33	33	33	33	33		33	33		33												
	Luminex		30	100	100	100	100	100	93	100	87	83	13	100	93	97	100	90	83	87	97	80	73	97	90	13	87	93	90	90	83	80	17	90	90	83			
	ELISA		2	100	100	100	100	100	100	100	100	100		100	100	100	100	100	100	100	100	50	100	100	50		100	100	50	100	100		100	100	50				
	C1q		1	no consensus																																			
	Other		3	67	67	67		33	33	33	67	67		67	33	33	67	67	67	67	67	33	33				33	33	33	33	33								
1205		method	#labs	B64	B65	A2	A203	A31	A69	B54	B55	B46	B76	B77	B75	B15	B8	A3	A34	A74	A11	A1101	A1102	A26	A66	A6601	A6602	A1	A30	A43	B82	A29	A36	A80	A24	Cw6			
	AHG		3		33																																		
	Luminex		30	83	60	83	10	73	73	67	63	20	87	83		10	83	60	57	50	50	20	13	47	47	17	17	30	30	27	27	20	20	20	13	13			
	ELISA		2	50				100		50	50	50													50														
	Other		3			33			33						33																								

1205		method	#labs	DR53	NEG	DR1	DR4
class II	NIH-Ext		1	no consensus			
	Luminex		19	68	21	3	3
	Other		1	no consensus			

Serum 1205 was reported as positive to B13 by all methods. Strong anti-B12 (B44, B45) reactivity was reported by Antiglobulin, Luminex, ELISA, and C1q. In addition, reactivity to a number of 4C and 5C specificities was reported by various methods, along with reactivity to some 8C specificities. The reporting of class II reactivity was mixed among labs, as 13 labs reporting by Luminex detected ant-DR53 reactivity and 4 labs reported the sample as negative for class II.

1206	method	#labs	B60	B61	B7	B703	B27	B2708	B81	B8101	B42	B55	B56	B37	B48	B13	B41	B47	B8	B67	B54	B57	B59	B65	B39	B3901	B73	B52	B82	B8201	B62	Cw7	A36	A32
class I	NIH-Std	4	100	25	75		75		25					25																				
	NIH-Ext	2	100	100	100		100		50		50	50	50		50																			
	AHG	3	100	100	67		67		100		67	67	67	67		67	67	67	33			33			33							33		
	Luminex	30	87	87	100	13	93	37	80	23	100	100	97	87	87	97	90	97	93	100	97	90	87	80	73	13	97	90	83	13	83	93	80	77
	ELISA	2	100	100	100		100		100		100	100	100	100	100	100	100	100	100	100	100	50	100	100			100			100				
	C1q	no consensus																																
	Other	3	67	67	67		67		67		67	67	67		67	67	67	67	67	67	67		33	33	33		33		67			33	33	

1206	method	#labs	A29	B38	B64	B14	A66	A6602	A1	A80	A3	A74	B49	B58	B63	Cw2	Cw8	Cw16	Cw12	Cw15	Cw17	B50	B72	A11	A1101	A1102	A30	A26	A25	A34	B71	B18	B40	B45	
	Luminex	30	70	67	67	10	67	43	60	57	80	77	80	80	73	87	87	87	70	43	53	67	60	50	20	17	50	20	17	17	33	33	20	17	10
	Other	3	33	33	33		33		33	33																									

1206	method	#labs	NEG	DR7	DR4	DQ3	DQ4	DQ5	DQ6
class II	NIH-Ext	1	no consensus						
	Luminex	15	80	13	7	7	7	7	7
	Other	2	no consensus						

For **Serum 1206**, strong reactivity to B60 antisera was reported by all methods. Additional reactivity to B7, B27, and B81 was also reported by all methods. Anti-B61 and reactivity to a number of 5C, 8C, and 12C specificities was reported by various methods. In addition, Luminex reported reactivity to a number of C-locus antigens (Cw2, cw8, Cw12, Cw15, and Cw17). This sample was reported as negative for class II.

1207	method	#labs	B13	B60	B61	B40	B47	B48	B41	B44	B45	B49	B50	B7	B27	B2708	B81	B8101	B55	B35	B72	B62	B73	B42	B67	B82	B76	B71	B51	B53	B59	A66	A6602	B78	B18	B38	B52	Cw2	Cw17	B39	B75	B77	B56	B37
class I	NIH-Std	4	100	100	100																																							
	NIH-Ext	2	100	100	100		50	50																																				
	AHG	3	100	100	100		67		67	33	33	33	33	67	67		67																											
	Luminex	29	100	86	86	18	97	93	100	100	100	100	100	100	93	38	72	24	90	83	83	66	97	90	90	76	72	72	66	83	66	62	45	59	45	45	41	86	41	31	31	24	21	18
	ELISA	2	100	100	100		100	100	50	100	100	50	100	100	100		100		100	100	50	50		50																				
	C1q	no consensus																																										
	Other	3	67	67	67		67	67	67	33	33	67	67	67	67		67		33	33	33	33	33		33	33	33	33																

1207	method	#labs	DR4	NEG
class II	NIH-Ext	1	no consensus	
	Luminex	17	65	35
	Other	2	no consensus	

Serum 1207 was reported as positive to B13 and B40 (B60, B61) antisera by all methods. Reactivity to a number of other 7C specificities, as well as reactivity to B44, B45, and a number of 5C specificities was reported by various methods. Additional reactivity to A66, B38, Cw2, and Cw17 was

detected by Luminex. As with serum 1205, labs were mixed in the reporting of class II reactivity for this sample. Six labs reported it as negative for class II by Luminex, while 11 labs reported anti-DR4 reactivity. Several labs noted the class II reactivity as weak.

1208		method	#labs	B38	B39	B3901	B16	B37	B18	B8	B35	B41	B53	B42	B64	B65	B14	A68	A34	B54	B55	B56	B57	B44	B67	B58	B50	B59	B7	B52	B51	B27	B2708	B62	B78	B72
class I	NIH-Std	4	75	75				25										25																		
	NIH-Ext	2	100	100				50	50																											
	AHG	3	100	100			33	67	100	100	33	67	33	67	67	67	33				33			33								100				33
	Luminex	29	100	86	18			93	97	100	97	97	97	100	83	83	13	100	100	100	100	97	97	97	97	93	93	93	93	90	86	90	38	86	80	86
	ELISA	2	100	100				100	100	100	100	100	100	100	100	100		50	50	100	100		100	100	100	100	100	100	50	50	50	100		100	100	100
	C1q	no consensus																																		
	Other	3							67	67	67	33	33	67	33	33			33	67	67	33	33		33	33	33	33	33	33			33	33		

1208		method	#labs	B81	B8101	A33	A29	B49	B71	B7801	B45	A36	A25	B82	B8201	B13	B47	A69	B48	B46	B75	B76	B77	B15	B63	Cw1	Cw12	Cw15	Cw16	Cw8	Cw5	Cw14	Cw6	Cw18	A1	B73	
	NIH-Std	4											25																								
	Luminex	29	62	21	97	83	93	86	18	93	76	10	76	13	90	90	86	80	76	86	83	83	10	55	83	80	62	59	59	55	49	49	24	10	10		
	ELISA	2	100							100					100	50	50	100	50	100																	
	Other	3	33			33	33	33	33			33		33																							

1208		method	#labs	DR11	DR13	DR17	NEG	DR18	DR8	DR12	DR14	DQ7
class II	NIH-Ext	1	no consensus									
	Luminex	16	63	50	50	38	38	38	31	31	13	
	Other	2	no consensus									

For **Serum 1208**, anti-B38 and –B39 reactivity, as well as reactivity to B37, was reported by all methods except Luminex PRA. Additional reactivity to A34, A68, and a number of 4C, 7C, 8C, and 12C specificities was reported by various methods. Once again, labs were mixed in the reporting of class II. A number of Luminex labs reported DR reactivity to DR8, DR11, DR12, DR13, DR14, DR17, and DR18. Two other Luminex labs reported anti-DQ7 reactivity. Six other Luminex labs and 1 PRA lab reported this sample as negative for class II. One lab noted the DR reactivity in this sample was weak (<1000 MFI).

Table 16. Summary of the 553rd Serum Exchange (Serum #1205-1208) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B60	100%	100%	B13	100%	100%	B38	100%	100%
			B7	75%	100%	B60	100%	100%	B39	100%	100%
			B27	75%	90%	B61	100%	100%	A25	25%	100%
			B37	25%	100%	B48	25%	100%	A26	25%	100%
			B61	25%	100%				A68	25%	100%
			B81	25%	100%				B37	25%	50%

Method: NIH-Extended											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B27	100%	100%	B13	100%	100%	B38	100%	100%
B49	50%	100%	B60	100%	100%	B60	100%	100%	B39	100%	100%
B50	50%	100%	B7	100%	100%	B61	100%	100%	A23	50%	100%
			B42	50%	100%	B47	50%	100%	B37	50%	100%
			B48	50%	100%	B48	50%	100%	B18	50%	80%
			B55	50%	100%						
			B81	50%	100%						
			B56	50%	33%						

Table 16. Summary of the 553rd Serum Exchange (Serum #1205-1208) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B60	100%	100%	B13	100%	100%	B38	100%	100%
			B7	75%	100%	B60	100%	100%	B39	100%	100%
			B27	75%	90%	B61	100%	100%	A25	25%	100%
			B37	25%	100%	B48	25%	100%	A26	25%	100%
			B61	25%	100%				A68	25%	100%
			B81	25%	100%				B37	25%	50%

Method: NIH-Extended											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B27	100%	100%	B13	100%	100%	B38	100%	100%
B49	50%	100%	B60	100%	100%	B60	100%	100%	B39	100%	100%
B50	50%	100%	B7	100%	100%	B61	100%	100%	A23	50%	100%
			B42	50%	100%	B47	50%	100%	B37	50%	100%
			B48	50%	100%	B48	50%	100%	B18	50%	80%
			B55	50%	100%						
			B81	50%	100%						
			B56	50%	33%						

Table 17. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Antiglobulin and C1q - class I

Method: Antiglobulin											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B60	100%	100%	B13	100%	100%	B38	100%	100%
B44	100%	81%	B61	100%	100%	B61	100%	100%	B39	100%	100%
B45	67%	100%	B81	100%	100%	B60	100%	75%	B8	100%	100%
B51	67%	100%	B27	67%	100%	B47	67%	100%	B27	100%	89%
B61	67%	100%	B37	67%	100%	B81	67%	100%	B18	100%	81%
B41	67%	67%	B47	67%	100%	B41	67%	83%	B42	67%	100%
B50	67%	67%	B55	67%	91%	B7	67%	80%	B64	67%	100%
B49	67%	60%	B7	67%	90%	B27	67%	78%	B37	67%	83%
A68	33%	100%	B13	67%	83%	B44	33%	100%	B65	67%	83%
B35	33%	100%	B41	67%	83%	B45	33%	100%	B41	67%	50%
B37	33%	100%	B42	67%	75%	B49	33%	100%	B16	33%	100%
B38	33%	100%	B56	67%	75%	B50	33%	100%	B55	33%	100%
B39	33%	100%	B57	33%	100%				B72	33%	100%
B52	33%	100%	B8	33%	100%				B44	33%	88%
B53	33%	100%	CW7	33%	83%				B53	33%	86%
B60	33%	100%	B39	33%	50%				B14	33%	78%
B62	33%	100%							B35	33%	67%
B71	33%	100%									
B72	33%	100%									
B75	33%	100%									
B18	33%	88%									
B65	33%	83%									

Method: C1q											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Table 18. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Other - class I

Method: Other											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	67%	100%	B13	67%	100%	B13	67%	100%	B18	67%	100%
B18	67%	100%	B27	67%	100%	B27	67%	100%	B35	67%	100%
B35	67%	100%	B41	67%	100%	B41	67%	100%	B42	67%	100%
B49	67%	100%	B42	67%	100%	B47	67%	100%	B54	67%	100%
B50	67%	100%	B47	67%	100%	B48	67%	100%	B55	67%	100%
B53	67%	100%	B48	67%	100%	B49	67%	100%	B8	67%	100%
B60	67%	100%	B54	67%	100%	B50	67%	100%	A29	33%	100%
B61	67%	100%	B55	67%	100%	B60	67%	100%	A33	33%	100%
B62	67%	100%	B56	67%	100%	B61	67%	100%	A34	33%	100%
B71	67%	100%	B60	67%	100%	B7	67%	100%	A36	33%	100%
B72	67%	100%	B61	67%	100%	B81	67%	100%	B41	33%	100%
A2	33%	100%	B67	67%	100%	B35	33%	100%	B49	33%	100%
A33	33%	100%	B7	67%	100%	B44	33%	100%	B50	33%	100%
A68	33%	100%	B8	67%	100%	B45	33%	100%	B51	33%	100%
A69	33%	100%	B81	67%	100%	B51	33%	100%	B52	33%	100%
B37	33%	100%	B82	67%	100%	B55	33%	100%	B53	33%	100%
B41	33%	100%	A1	33%	100%	B62	33%	100%	B56	33%	100%
B45	33%	100%	A29	33%	100%	B67	33%	100%	B57	33%	100%
B47	33%	100%	A32	33%	100%	B71	33%	100%	B58	33%	100%
B51	33%	100%	A36	33%	100%	B72	33%	100%	B59	33%	100%
B52	33%	100%	A66	33%	100%	B73	33%	100%	B62	33%	100%
B57	33%	100%	A80	33%	100%	B76	33%	100%	B63	33%	100%
B58	33%	100%	B38	33%	100%	B82	33%	100%	B64	33%	100%
B63	33%	100%	B39	33%	100%				B65	33%	100%
B75	33%	100%	B59	33%	100%				B67	33%	100%
B78	33%	100%	B64	33%	100%				B7	33%	100%
			B65	33%	100%				B71	33%	100%
			B73	33%	100%				B72	33%	100%
									B75	33%	100%
									B78	33%	100%
									B81	33%	100%
									B82	33%	100%

Table 19. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Luminex - class I

Method: Luminex											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
30 typing Labs			30 typing Labs			29 typing Labs			29 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B42	100%	100%	B13	100%	100%	A34	100%	100%
B35	100%	100%	B55	100%	100%	B41	100%	100%	A68	100%	100%
B41	100%	100%	B67	100%	100%	B44	100%	100%	B38	100%	100%
B44	100%	100%	B7	100%	100%	B45	100%	100%	B42	100%	100%
B45	100%	100%	B13	97%	100%	B49	100%	100%	B54	100%	100%
B49	100%	100%	B47	97%	100%	B50	100%	100%	B55	100%	100%
B50	100%	100%	B54	97%	100%	B7	100%	100%	B8	100%	100%
B53	100%	100%	B56	97%	100%	B47	97%	100%	B18	97%	100%
B18	97%	100%	B73	97%	100%	B73	97%	100%	B35	97%	100%
B38	97%	100%	B27	93%	100%	B27	93%	100%	B41	97%	100%
B52	97%	100%	B8	93%	100%	B48	93%	100%	B44	97%	100%
B37	93%	100%	CW7	93%	90%	B42	90%	71%	B53	97%	100%
B47	93%	100%	B41	90%	100%	B55	90%	71%	B56	97%	100%
B51	93%	100%	B52	90%	100%	B67	90%	67%	B57	97%	100%
B39	90%	100%	B57	90%	100%	B60	86%	100%	B67	97%	100%
B48	90%	100%	B37	87%	100%	B61	86%	100%	A33	97%	92%
B59	90%	100%	B48	87%	100%	CW2	86%	70%	B37	93%	100%
B62	90%	100%	B59	87%	100%	B72	83%	86%	B45	93%	100%
B57	90%	92%	B60	87%	100%	B53	83%	60%	B49	93%	100%
B58	90%	83%	B61	87%	100%	B35	83%	50%	B50	93%	100%
B60	87%	100%	CW2	87%	90%	B82	76%	67%	B58	93%	100%
B72	87%	100%	CW8	87%	81%	B81	72%	100%	B59	93%	100%
B75	87%	100%	CW16	87%	80%	B76	72%	67%	B7	93%	100%
B76	87%	100%	B82	83%	100%	B71	72%	50%	B13	90%	100%
B56	83%	100%	B62	83%	67%	B51	66%	86%	B47	90%	100%
B61	83%	100%	A3	80%	100%	B59	66%	75%	B52	90%	100%
B63	83%	100%	B49	80%	100%	B62	66%	60%	B27	90%	91%
B64	83%	100%	B58	80%	100%	A66	62%	50%	A69	86%	100%
B71	83%	100%	B81	80%	100%	B78	59%	75%	B39	86%	100%
B77	83%	100%	B65	80%	86%	A6602	45%	100%	B51	86%	100%
A2	83%	96%	A36	80%	67%	B18	45%	100%	B62	86%	100%
B8	83%	88%	A32	77%	100%	B38	45%	100%	B71	86%	100%
B78	80%	100%	A74	77%	80%	B52	41%	100%	B72	86%	100%
A68	80%	90%	B39	73%	100%	CW17	41%	100%	B75	86%	80%

Table 19. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Luminex - class I

Method: Luminex - cont.											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
30 typing Labs			30 typing Labs			30 typing Labs			30 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A31	73%	100%	B63	73%	80%	B2708	38%	100%	A29	83%	100%
A33	73%	100%	A29	70%	100%	B39	31%	100%	B64	83%	100%
A69	73%	75%	CW12	70%	100%	B75	31%	100%	B65	83%	100%
B54	67%	75%	B38	67%	100%	B77	24%	100%	B76	83%	100%
B55	63%	80%	B64	67%	80%	B8101	24%	100%	B77	83%	100%
A3	60%	100%	B50	67%	67%	B56	21%	100%	CW1	83%	93%
B65	60%	50%	A66	67%	60%	B37	18%	100%	B48	80%	100%
A34	57%	50%	A1	60%	100%	B40	18%	100%	B78	80%	100%
A74	50%	100%	B72	60%	75%				CW12	80%	100%
A11	50%	75%	A80	57%	100%				A36	76%	100%
A26	47%	100%	CW17	53%	100%				B82	76%	100%
A66	47%	100%	A11	50%	75%				B46	76%	80%
A1	30%	100%	A30	50%	50%				B81	62%	100%
A30	30%	100%	A6602	43%	100%				CW15	62%	100%
A43	27%	100%	CW15	43%	100%				CW16	59%	100%
B82	27%	100%	B2708	37%	100%				CW8	59%	100%
A1101	20%	100%	B71	33%	100%				B63	55%	100%
A29	20%	100%	B8101	23%	100%				CW5	55%	100%
A36	20%	100%	A1101	20%	100%				CW14	49%	100%
A80	20%	100%	A26	20%	100%				CW6	49%	100%
B46	20%	100%	B18	20%	100%				B2708	38%	100%
A6601	17%	100%	A1102	17%	100%				CW18	24%	100%
A6602	17%	100%	A25	17%	100%				B8101	21%	100%
B7801	17%	100%	A34	17%	100%				B3901	18%	100%
A1102	13%	100%	B40	17%	100%				B7801	18%	100%
A24	13%	100%	B3901	13%	100%				B14	13%	100%
B3901	13%	100%	B703	13%	100%				B8201	13%	100%
B40	13%	100%	B8201	13%	100%				A1	10%	100%
CW6	13%	100%	B14	10%	100%				A25	10%	100%
A203	10%	100%	B45	10%	100%				B15	10%	100%
B15	10%	100%							B73	10%	100%
									BW4	10%	100%
									CW7	10%	100%

Table 20. Summary of the 553rd Serum Exchange (Serum #1205-1208) by ELISA - class I

Method: ELISA											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A31	100%	100%	B13	100%	100%	B13	100%	100%	B13	100%	100%
A33	100%	100%	B27	100%	100%	B27	100%	100%	B18	100%	100%
B13	100%	100%	B37	100%	100%	B44	100%	100%	B27	100%	100%
B18	100%	100%	B41	100%	100%	B45	100%	100%	B35	100%	100%
B35	100%	100%	B42	100%	100%	B47	100%	100%	B37	100%	100%
B37	100%	100%	B47	100%	100%	B48	100%	100%	B38	100%	100%
B38	100%	100%	B48	100%	100%	B50	100%	100%	B39	100%	100%
B41	100%	100%	B54	100%	100%	B55	100%	100%	B41	100%	100%
B44	100%	100%	B55	100%	100%	B60	100%	100%	B42	100%	100%
B45	100%	100%	B56	100%	100%	B61	100%	100%	B44	100%	100%
B47	100%	100%	B59	100%	100%	B7	100%	100%	B48	100%	100%
B48	100%	100%	B60	100%	100%	B81	100%	100%	B50	100%	100%
B49	100%	100%	B61	100%	100%	B35	100%	75%	B53	100%	100%
B50	100%	100%	B65	100%	100%	B41	50%	100%	B54	100%	100%
B51	100%	100%	B67	100%	100%	B42	50%	100%	B55	100%	100%
B52	100%	100%	B7	100%	100%	B49	50%	100%	B58	100%	100%
B53	100%	100%	B8	100%	100%	B62	50%	100%	B59	100%	100%
B58	100%	100%	B81	100%	100%	B72	50%	100%	B62	100%	100%
B59	100%	100%	B52	100%	75%				B64	100%	100%
B60	100%	100%	B62	100%	75%				B65	100%	100%
B61	100%	100%	B57	50%	50%				B67	100%	100%
B62	100%	100%							B72	100%	100%
B63	100%	100%							B75	100%	100%
B71	100%	100%							B78	100%	100%
B72	100%	100%							B8	100%	100%
B75	100%	100%							B81	100%	100%
B78	100%	100%							B45	100%	75%
A66	50%	100%							B57	100%	50%
A68	50%	100%							A34	50%	100%
B39	50%	100%							A68	50%	100%
B46	50%	100%							A69	50%	100%
B54	50%	100%							B46	50%	100%
B55	50%	100%							B47	50%	100%
B56	50%	100%							B51	50%	100%
B57	50%	100%							B52	50%	100%
B64	50%	100%							B7	50%	100%

Table 21. Summary of the 553rd Serum Exchange (Serum #1205-1208) by LMX, NIH-Std, and LMX PRA - class II

Method: Luminex											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
19 typing Labs			15 typing Labs			17 typing Labs			16 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR53	68%	100%	NEG	80%	100%	DR4	65%	100%	DR11	63%	100%
NEG	21%	100%	DR7	13%	100%	NEG	35%	100%	DR13	50%	100%
DR1	3%	100%	DQ3	7%	100%				DR17	50%	100%
DR4	3%	100%	DQ4	7%	100%				NEG	38%	100%
			DQ5	7%	100%				DR18	38%	100%
			DQ6	7%	100%				DR8	38%	100%
			DR4	7%	100%				DR12	31%	100%
									DR14	31%	100%
									DQ7	13%	60%

Method: NIH-Standard											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Method: Luminex PRA											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Table 22. Individual laboratory results for Serum #1205-#1208 by NIH-Standard and NIH-Extended - class I

	**** Serum 1205 ****					**** Serum 1206 ****					**** Serum 1207 ****					**** Serum 1208 ****										
Investigator	% POS	B13			Other	% POS	B60	B7	B27		Other	% POS	B13	B60	B61	B48		Other	% POS	B38	B39	A25	A26	A68	Other	Method
Claas, F.H.J.	6	+				50	+	+	+			21	+	+	+				67	+	+	+	+	+		STD
Thornton, Alycia	11	+				26	+	+				22	+	+	+				7	+	+				B37	STD
Vasilescu, Rodica	8	+				30	+		+		B61,B37,B81	20	+	+	+				10	+	+					STD
Watson, Narelle	4	+				51	+	+	+			27	+	+	+	+			14	+	+					STD

STD = NIH-Standard

	**** Serum 1205 ****					**** Serum 1206 ****					**** Serum 1207 ****					**** Serum 1208 ****											
Investigator	% POS	B13	B49	B50	Other	% POS	B27	B60	B7	B42	B48	Other	% POS	B13	B60	B61	B47	B48	Other	% POS	B38	B39	A23	B37	B18	Other	Method
Lardy, N.M.	8	+				40	+	+	+	+		B55,B56	17	+	+	+	+			40	+	+	+	+	+		EXT
Reed, Elaine F. PhD	13	+	+	+		31	+	+	+		+	B81	24	+	+	+		+		17	+	+					EXT

EXT = EXT-Standard

Table 23. Individual laboratory results for Serum #1205-#1208 by Antiglobulin and C1q - class I

Investigator	**** Serum 1205 ****										**** Serum 1206 ****										Method				
	% POS	B13	B44	B45	B51	B61	B41	B50	B49	Other	% POS	B60	B61	B81	B27	B37	B47	B55	B7	B13		B41	B42	B56	Other
Cecka, J. Michael P	90	+	+	+	+	+	+	+	+	B62,B52,B53>	65	+	+	+	+	+	+	+	+	+	+	+	+	B39,B57,B8>	Antiglobulin
Hahn, Amy B. PhD		+	+				+	+	+			+	+	+		+	+	+	+	+	+	+	+		Antiglobulin
Vasilescu, Rodica	14	+	+	+	+	+				B60	32	+	+	+	+	+									Antiglobulin
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	B47,B52,B53 >		+	+	+	+	+	+	+	+	+	+	+	+	B82,B73,A66 >	C1q

Investigator	**** Serum 1207 ****										**** Serum 1208 ****										Method				
	% POS	B13	B61	B60	B47	B81	B41	B7	B27	Other	% POS	B38	B39	B8	B27	B18	B42	B64	B37	B65		B41			Other
Cecka, J. Michael P	53	+	+	+	+	+	+	+	+	B49,B50,B44>	72	+	+	+	+	+	+	+	+	+	+	+		B44,B53,B55 >	Antiglobulin
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		B14,B16	Antiglobulin
Vasilescu, Rodica	18	+	+	+							28	+	+	+	+	+									Antiglobulin
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	B73,A66,B48		+	+	+	+	+	+	+	+	+	+	+		B67,B54,B59>	C1q

Table 24. Individual laboratory results for Serum #1205-#1208 by Other - class I

Investigator	**** Serum 1205 ****													**** Serum 1206 ****													Method					
	% POS	B13	B18	B35	B49	B50	B53	B60	B61	B62	B71	B72	Other	% POS	B13	B27	B41	B42	B47	B48	B54	B55	B56	B60	B61	B67		B7	B8	B81	B82	Other
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	A2,B78,B47,B51 >		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,A1,A29,A32 >	Other - LMX PRA
Reed, Elaine F. PhD	82	+	+	+	+	+	+	+	+	+	+	+	B45,B41	88	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		Other - LMX PRA
McCluskey, James	15													22																		Other - CDC PRA

Investigator	**** Serum 1207 ****													**** Serum 1208 ****													Method						
	% POS	B13	B27	B41	B47	B48	B49	B50	B60	B61	B7	B81	Other	% POS	B18	B35	B42	B54	B55	B8													Other
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	B62,B44,B51,B45 >		+	+	+	+	+	+												B78,B62,B49,B50 >	Other - LMX PRA
Reed, Elaine F. PhD	74	+	+	+	+	+	+	+	+	+	+	+	B82	82	+	+	+	+	+	+												B41	Other - LMX PRA
McCluskey, James	22													19																			Other - CDC PRA

Table 25. Individual laboratory results for Serum #1205 by Luminex - class I

Investigator	**** Serum 1205 ****																												Method									
	% POS	B13	B35	B41	B44	B45	B49	B50	B53	B18	B38	B52	B37	B47	B51	B39	B48	B59	B62	B57	B58	B60	B72	B75	B76	B56	B61	B63		B64	B71	B77	A2	B8	B78	A68	A31	Other
Abu Amin, Noryati	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A24,A66,B7 >	LMX
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54 >	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B65,B7801,B3901	LMX	
Bengochea, Carrette	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B15,A66,B703 >	LMX	
Cecka, J. Michael P	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B55,A69,B65	LMX	
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B54,B55,A1 >	LMX	
Daniel, Dolly	8	+	+	+	+	+	+	+	+							+						+	+	+	+									+	B21,B12	LMX		
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A69	LMX	
Dunckley, Heather	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A203,A66,B82 >	LMX	
Eckels/CPMC,	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55 >	LMX	
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54 >	LMX	
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54 >	LMX	
Hamdi, Nuha	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B54,B55,A34 >	LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A66 >	LMX	
Juarez, Fabiola	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Keming, Du	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B55,A33,A69 >	LMX	
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A66 >	LMX	
Pancoska, Carol Ph	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55 >	LMX	
Perpikul, Vejbaesy	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55 >	LMX	
Pule, Ziningi	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																			+	B40,B15,A33,BW4 >	LMX	
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55 >	LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A33	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B703,B54,A33,A69 >	LMX
V.Brouard, M.Tonye	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B40,B54,B55 >	LMX	
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B54,B55,A1 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A66 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54 >	LMX
Xu, Ri		+	+	+	+	+	+	+	+	+	+	+	+	+	+																					+	B40,B15,B12C,B5C >	LMX

Table 26. Individual laboratory results for Serum #1206 by Luminex - class I

Investigator	**** Serum 1206 ****																												Method											
	% POS	B42	B55	B67	B7	B13	B47	B54	B56	B73	B27	B8	Cw7	B41	B52	B57	B37	B48	B59	B60	B61	Cw2	Cw8	Cw16	B82	B62	A3	B49		B58	B81	B65	A36	A32	A74	B39	B63	Other		
Abu Amin, Noryati	Multi	+	+	+	+			+	+			+			+	+				+	+						+							+	+	+		A11,A24,A66,B78 >	LMX	
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,A29,B8101,Cw17	LMX	
Bengochea, Carrette	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B15,B50,B703 >	LMX		
Cecka, J. Michael P	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B50,B64,B72	LMX	
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B50,A1,A25,A26 >	LMX	
Daniel, Dolly	15	+	+	+	+	+	+	+	+	+	+		+	+						+	+			+		+									+		B40,B703,B8101 >	LMX		
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,A1,A29,B64 >	LMX	
Dunckley, Heather	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX	
Eckels/CPMC,	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B50,A1,A29 >	LMX	
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX	
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX	
Hamdi, Nuha	76	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,A1,A29 >	LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX
Juarez, Fabiola	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Keming, Du	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										+	+	A66	LMX	
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B64,B2708>	LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,B45 >	LMX
Pancoska, Carol Ph	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX
Perpikul, Vejbaesy	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX
Pule, Ziningi	18	+	+	+	+	+	+			+	+																									+		B40,A66,Bw4,Bw6	LMX	
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B50,A1,A29 >	LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B50,B703,B64,B38 >	LMX
V.Brouard, M.Tonye	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B50,A1,A29 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B50,A1,A25,A34 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,A11,A24,A2 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1 >	LMX
Xu, Ri		+	+	+	+	+	+	+	+	+	+	+	+	+																							+	B40,B703,B14 >	LMX	

Table 27. Individual laboratory results for Serum #1207 by Luminex - class I

Investigator	**** Serum 1207 ****																											Method											
	% POS	B13	B41	B44	B45	B49	B50	B7	B47	B73	B27	B48	B42	B55	B67	B60	B61	Cw2	B72	B53	B35	B82	B81	B76	B71	B51	B59		B62	A66	B78	A6602	B18	B38	B52	Cw17	B2708	Other	
Abu Amin, Noryati	Multi	+	+	+	+	+	+	+				+	+			+	+			+	+																	A24,A2,A1,A25 >	LMX
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,B77,B39,B37	LMX	
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ B8101,B8201	LMX	
Bengochea, Carrette	32	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		+	+	+							+						+	+ B40,B15,B703,B8101 >	LMX	
Cecka, J. Michael P	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+ B75,B56,B77,B39 >	LMX	
Daniel, Dolly	7	+	+	+	+	+	+	+	+	+	+					+	+													+						+	+ B40,B21,B703,B12	LMX	
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Dunckley, Heather	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ B75,B56,B77,B39 >	LMX	
Eckels/CPMC,	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Fort, Marylise	NT																																					LMX	
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B39	LMX	
Hamdi, Nuha	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ B75,B56,B77,B39 >	LMX	
Juarez, Fabiola	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+														LMX	
Keming, Du	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+					+									LMX	
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B75,B56,A23 >	LMX	
Pancoska, Carol Ph	45	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Perpikul, Vejbaesy	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Pule, Ziningi	31	+	+	+	+	+	+	+	+	+	+	+			+	+					+	+	+	+					+	+							B40,B15,Bw4,Bw6	LMX	
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B39	LMX	
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+	+				+									LMX	
Thornton, Alycia		+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+		+	+		+								+	+ B703,B8101	LMX	
V.Brouard, M.Tonye	75	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+ B40,B75,B8101,B7801 >	LMX	
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ B75,B56,B77,B8101 >	LMX	
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B75,B56,B77 >	LMX	
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,B39	LMX	
Xu, Ri		+	+	+	+	+	+	+	+	+	+								+				+													+	+ B40,B703,B8101,B12C >	LMX	

Table 28. Individual laboratory results for Serum #1208 by Luminex - class I

Investigator	**** Serum 1208 ****																												Method										
	% POS	A34	A68	B38	B42	B54	B55	B8	B18	B35	B41	B44	B53	B56	B57	B67	A33	B37	B45	B49	B50	B58	B59	B7	B13	B47	B52	B27		A69	B39	B51	B62	B71	B72	B75	A29	Other	
Abu Amin, Noryati	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,A1,A25 >	LMX	
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX	
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36 >	LMX	
Bengochea, Carrette	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B82,B703,A36 >	LMX	
Cecka, J. Michael P	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B64 >	LMX	
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,A36,B64 >	LMX	
Daniel, Dolly	6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B16,B2708	LMX		
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX	
Dunckley, Heather	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX	
Eckels/CPMC,	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36 >	LMX	
Fort, Marylise	NT																																					LMX	
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36 >	LMX	
Hamdi, Nuha	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX
Juarez, Fabiola	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B64 >	LMX
Keming, Du	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B64 >	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B64,B65,B76 >	LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36 >	LMX
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,Cw6,B48,B78 >	LMX
Pancoska, Carol Ph	71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX
Perpikul, Vejbaesy	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX
Pule, Ziningi	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B78,B82,A36 >	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36 >	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B703 >	LMX
V.Brouard, M.Tonye	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,A36,B14 >	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,A36,B64 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,Cw6,B48,A66 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw6,B48,B78,B82 >	LMX
Xu, Ri		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B78,B14,B12C >	LMX

Table 29. Individual laboratory results for Serum #1201-#1208 by ELISA - class I

		**** Serum 1205 ****																												
Investigator	% POS	A31	A33	B13	B18	B35	B37	B38	B41	B44	B45	B47	B48	B49	B50	B51	B52	B53	B58	B59	B60	B61	B62	B63	B71	B72	B75	B78	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55 >	Elisa
Juarez, Fabiola	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B64,B39	Elisa

		**** Serum 1206 ****																													
Investigator	% POS	B13	B27	B37	B41	B42	B47	B48	B54	B55	B56	B59	B60	B61	B65	B67	B7	B8	B81	B82	B62	Other	Method								
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										Elisa
Juarez, Fabiola	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									B57	Elisa

		**** Serum 1207 ****																												
Investigator	% POS	B13	B27	B44	B45	B47	B48	B50	B55	B60	B61	B7	B81	B35	Other	Method														
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+																Elisa
Juarez, Fabiola	31	+	+	+	+	+	+	+	+	+	+	+	+	+															B62,B49,B41,B42 >	Elisa

		**** Serum 1208 ****																													
Investigator	% POS	B13	B18	B27	B35	B37	B38	B39	B41	B42	B44	B48	B50	B53	B54	B55	B58	B59	B62	B64	B65	B67	B72	B75	B78	B8	B81	B45	B57	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A3	Elisa
Juarez, Fabiola	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B47,B51,B52,B7 >	Elisa

Table 30. Individual laboratory results for Serum #1201-#1208 by Luminex - class II

Investigator	**** Serum 1205 ****			**** Serum 1206 ****			**** Serum 1207 ****			**** Serum 1208 ****							Method		
	% POS	DR53	Other	% POS	DR7	Other	% POS	DR4	Other	% POS	DR11	DR13	DR17	DR18	DR8	DR12		DR14	Other
Abu Amin, Noryati	0			Multi	+		Multi	+		Multi	+		+	+	+			DQ7	LMX
Al-Attas, Rabab A. I	???			0			0			0									LMX
Arnold, Paula PhD		+																	LMX
Cecka, J. Michael P	0			0			0			0									LMX
Chen, Dong-Feng P		+						+			+	+	+	+	+	+	+		LMX
Daniel, Dolly	0			0			0			0									LMX
Danish, Adel		+						+											LMX
Dunckley, Heather	0	+		0			0			0									LMX
Eckels/CPMC,	4	+		0			9			66	+	+	+	+	+	+	+		LMX
Hahn, Amy B. PhD		+																	LMX
Hamdi, Nuha	0	+		0			17	+		63	+	+	+	+	+	+	+	DQ7	LMX
Holdsworth, Rhonda		+		0				+			+	+	+						LMX
McCluskey, James		+		0				+			+	+	+	+	+	+	+		LMX
Pancoska, Carol Ph	2	+		0			5	+		16	+	+							LMX
Pule, Ziningi	1		DR1,DR4	29		DQ3,DQ4,DQ5,DQ6	0			1	+								LMX
Reed, Elaine F. PhD		+		0			0	+		0									LMX
Sacchi, Nicoletta	NT			NT						NT									LMX
V.Brouard, M.Tonye	0			0			17	+		20	+	+	+	+	+	+	+		LMX
Vather/JHB,		+			+	DR4		+			+	+	+						LMX
Vather/Pinetown,		+		0				+		0									LMX

Table 31. Individual laboratory results for Serum #1201-#1208 by NIH-Extended and Luminex PRA - class II

Investigator	**** Serum 1205 ****		**** Serum 1206 ****		**** Serum 1207 ****		**** Serum 1208 ****							Method	
	% POS	Other	% POS	Other	% POS	Other	% POS								Other
Reed, Elaine F. PhD	40		30		32		28								NIH-EXT
Reed, Elaine F. PhD	0		0		0		0								LMX-PRA



NEXT MAILING DATE: February 8, 2017
Arlene Locke, David Gjertson, Qiheng Zhang, and Elaine F. Reed



Investigatc Method
Cecka, J. M Antiglobulin
Hahn, Amy Antiglobulin
Vasilescu, F Antiglobulin
Xu, Ri Antiglobulin

Investigatc Method
Hahn, Amy Elisa
Juarez, Fab Elisa

Investigatc Method
Lardy, N.M EXT
Reed, Elain EXT

Investigatc Method
Liu, Chang Other
McCluskey, Other
Reed, Elain Other

Investigatc Method
Claas, F.H.. STD
Thornton, / STD
Vasilescu, F STD
Watson, N: STD
Xu, Ri STD

Table 17. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Antiglobulin and C1q - class I

Method: Antiglobulin											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B60	100%	100%	B13	100%	100%	B38	100%	100%
B44	100%	81%	B61	100%	100%	B61	100%	100%	B39	100%	100%
B45	67%	100%	B81	100%	100%	B60	100%	75%	B8	100%	100%
B51	67%	100%	B27	67%	100%	B47	67%	100%	B27	100%	89%
B61	67%	100%	B37	67%	100%	B81	67%	100%	B18	100%	81%
B41	67%	67%	B47	67%	100%	B41	67%	83%	B42	67%	100%
B50	67%	67%	B55	67%	91%	B7	67%	80%	B64	67%	100%
B49	67%	60%	B7	67%	90%	B27	67%	78%	B37	67%	83%
A68	33%	100%	B13	67%	83%	B44	33%	100%	B65	67%	83%
B35	33%	100%	B41	67%	83%	B45	33%	100%	B41	67%	50%
B37	33%	100%	B42	67%	75%	B49	33%	100%	B16	33%	100%
B38	33%	100%	B56	67%	75%	B50	33%	100%	B55	33%	100%
B39	33%	100%	B57	33%	100%				B72	33%	100%
B52	33%	100%	B8	33%	100%				B44	33%	88%
B53	33%	100%	CW7	33%	83%				B53	33%	86%
B60	33%	100%	B39	33%	50%				B14	33%	78%
B62	33%	100%							B35	33%	67%
B71	33%	100%									
B72	33%	100%									
B75	33%	100%									
B18	33%	88%									
B65	33%	83%									

Method: C1q											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Table 18. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Other - class I

Method: Other											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	67%	100%	B13	67%	100%	B13	67%	100%	B18	67%	100%
B18	67%	100%	B27	67%	100%	B27	67%	100%	B35	67%	100%
B35	67%	100%	B41	67%	100%	B41	67%	100%	B42	67%	100%
B49	67%	100%	B42	67%	100%	B47	67%	100%	B54	67%	100%
B50	67%	100%	B47	67%	100%	B48	67%	100%	B55	67%	100%
B53	67%	100%	B48	67%	100%	B49	67%	100%	B8	67%	100%
B60	67%	100%	B54	67%	100%	B50	67%	100%	A29	33%	100%
B61	67%	100%	B55	67%	100%	B60	67%	100%	A33	33%	100%
B62	67%	100%	B56	67%	100%	B61	67%	100%	A34	33%	100%
B71	67%	100%	B60	67%	100%	B7	67%	100%	A36	33%	100%
B72	67%	100%	B61	67%	100%	B81	67%	100%	B41	33%	100%
A2	33%	100%	B67	67%	100%	B35	33%	100%	B49	33%	100%
A33	33%	100%	B7	67%	100%	B44	33%	100%	B50	33%	100%
A68	33%	100%	B8	67%	100%	B45	33%	100%	B51	33%	100%
A69	33%	100%	B81	67%	100%	B51	33%	100%	B52	33%	100%
B37	33%	100%	B82	67%	100%	B55	33%	100%	B53	33%	100%
B41	33%	100%	A1	33%	100%	B62	33%	100%	B56	33%	100%
B45	33%	100%	A29	33%	100%	B67	33%	100%	B57	33%	100%
B47	33%	100%	A32	33%	100%	B71	33%	100%	B58	33%	100%
B51	33%	100%	A36	33%	100%	B72	33%	100%	B59	33%	100%
B52	33%	100%	A66	33%	100%	B73	33%	100%	B62	33%	100%
B57	33%	100%	A80	33%	100%	B76	33%	100%	B63	33%	100%
B58	33%	100%	B38	33%	100%	B82	33%	100%	B64	33%	100%
B63	33%	100%	B39	33%	100%				B65	33%	100%
B75	33%	100%	B59	33%	100%				B67	33%	100%
B78	33%	100%	B64	33%	100%				B7	33%	100%
			B65	33%	100%				B71	33%	100%
			B73	33%	100%				B72	33%	100%
									B75	33%	100%
									B78	33%	100%
									B81	33%	100%
									B82	33%	100%

Table 19. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Luminex - class I

Method: Luminex											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
30 typing Labs			30 typing Labs			29 typing Labs			29 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B42	100%	100%	B13	100%	100%	A34	100%	100%
B35	100%	100%	B55	100%	100%	B41	100%	100%	A68	100%	100%
B41	100%	100%	B67	100%	100%	B44	100%	100%	B38	100%	100%
B44	100%	100%	B7	100%	100%	B45	100%	100%	B42	100%	100%
B45	100%	100%	B13	97%	100%	B49	100%	100%	B54	100%	100%
B49	100%	100%	B47	97%	100%	B50	100%	100%	B55	100%	100%
B50	100%	100%	B54	97%	100%	B7	100%	100%	B8	100%	100%
B53	100%	100%	B56	97%	100%	B47	97%	100%	B18	97%	100%
B18	97%	100%	B73	97%	100%	B73	97%	100%	B35	97%	100%
B38	97%	100%	B27	93%	100%	B27	93%	100%	B41	97%	100%
B52	97%	100%	B8	93%	100%	B48	93%	100%	B44	97%	100%
B37	93%	100%	CW7	93%	90%	B42	90%	71%	B53	97%	100%
B47	93%	100%	B41	90%	100%	B55	90%	71%	B56	97%	100%
B51	93%	100%	B52	90%	100%	B67	90%	67%	B57	97%	100%
B39	90%	100%	B57	90%	100%	B60	86%	100%	B67	97%	100%
B48	90%	100%	B37	87%	100%	B61	86%	100%	A33	97%	92%
B59	90%	100%	B48	87%	100%	CW2	86%	70%	B37	93%	100%
B62	90%	100%	B59	87%	100%	B72	83%	86%	B45	93%	100%
B57	90%	92%	B60	87%	100%	B53	83%	60%	B49	93%	100%
B58	90%	83%	B61	87%	100%	B35	83%	50%	B50	93%	100%
B60	87%	100%	CW2	87%	90%	B82	76%	67%	B58	93%	100%
B72	87%	100%	CW8	87%	81%	B81	72%	100%	B59	93%	100%
B75	87%	100%	CW16	87%	80%	B76	72%	67%	B7	93%	100%
B76	87%	100%	B82	83%	100%	B71	72%	50%	B13	90%	100%
B56	83%	100%	B62	83%	67%	B51	66%	86%	B47	90%	100%
B61	83%	100%	A3	80%	100%	B59	66%	75%	B52	90%	100%
B63	83%	100%	B49	80%	100%	B62	66%	60%	B27	90%	91%
B64	83%	100%	B58	80%	100%	A66	62%	50%	A69	86%	100%
B71	83%	100%	B81	80%	100%	B78	59%	75%	B39	86%	100%
B77	83%	100%	B65	80%	86%	A6602	45%	100%	B51	86%	100%
A2	83%	96%	A36	80%	67%	B18	45%	100%	B62	86%	100%
B8	83%	88%	A32	77%	100%	B38	45%	100%	B71	86%	100%
B78	80%	100%	A74	77%	80%	B52	41%	100%	B72	86%	100%
A68	80%	90%	B39	73%	100%	CW17	41%	100%	B75	86%	80%

Table 19. Summary of the 553rd Serum Exchange (Serum #1205-1208) by Luminex - class I

Method: Luminex - cont.											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
30 typing Labs			30 typing Labs			30 typing Labs			30 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A31	73%	100%	B63	73%	80%	B2708	38%	100%	A29	83%	100%
A33	73%	100%	A29	70%	100%	B39	31%	100%	B64	83%	100%
A69	73%	75%	CW12	70%	100%	B75	31%	100%	B65	83%	100%
B54	67%	75%	B38	67%	100%	B77	24%	100%	B76	83%	100%
B55	63%	80%	B64	67%	80%	B8101	24%	100%	B77	83%	100%
A3	60%	100%	B50	67%	67%	B56	21%	100%	CW1	83%	93%
B65	60%	50%	A66	67%	60%	B37	18%	100%	B48	80%	100%
A34	57%	50%	A1	60%	100%	B40	18%	100%	B78	80%	100%
A74	50%	100%	B72	60%	75%				CW12	80%	100%
A11	50%	75%	A80	57%	100%				A36	76%	100%
A26	47%	100%	CW17	53%	100%				B82	76%	100%
A66	47%	100%	A11	50%	75%				B46	76%	80%
A1	30%	100%	A30	50%	50%				B81	62%	100%
A30	30%	100%	A6602	43%	100%				CW15	62%	100%
A43	27%	100%	CW15	43%	100%				CW16	59%	100%
B82	27%	100%	B2708	37%	100%				CW8	59%	100%
A1101	20%	100%	B71	33%	100%				B63	55%	100%
A29	20%	100%	B8101	23%	100%				CW5	55%	100%
A36	20%	100%	A1101	20%	100%				CW14	49%	100%
A80	20%	100%	A26	20%	100%				CW6	49%	100%
B46	20%	100%	B18	20%	100%				B2708	38%	100%
A6601	17%	100%	A1102	17%	100%				CW18	24%	100%
A6602	17%	100%	A25	17%	100%				B8101	21%	100%
B7801	17%	100%	A34	17%	100%				B3901	18%	100%
A1102	13%	100%	B40	17%	100%				B7801	18%	100%
A24	13%	100%	B3901	13%	100%				B14	13%	100%
B3901	13%	100%	B703	13%	100%				B8201	13%	100%
B40	13%	100%	B8201	13%	100%				A1	10%	100%
CW6	13%	100%	B14	10%	100%				A25	10%	100%
A203	10%	100%	B45	10%	100%				B15	10%	100%
B15	10%	100%							B73	10%	100%
									BW4	10%	100%
									CW7	10%	100%

Table 21. Summary of the 553rd Serum Exchange (Serum #1205-1208) by LMX, NIH-Std, and LMX PRA - class II

Method: Luminex											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
19 typing Labs			15 typing Labs			17 typing Labs			16 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR53	68%	100%	NEG	80%	100%	DR4	65%	100%	DR11	63%	100%
NEG	21%	100%	DR7	13%	100%	NEG	35%	100%	DR13	50%	100%
DR1	3%	100%	DQ3	7%	100%				DR17	50%	100%
DR4	3%	100%	DQ4	7%	100%				NEG	38%	100%
			DQ5	7%	100%				DR18	38%	100%
			DQ6	7%	100%				DR8	38%	100%
			DR4	7%	100%				DR12	31%	100%
									DR14	31%	100%
									DQ7	13%	60%

Method: NIH-Standard											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Method: Luminex PRA											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Table 20. Summary of the 553rd Serum Exchange (Serum #1205-1208) by ELISA - class I

Method: ELISA											
*** Serum 1205 ***			*** Serum 1206 ***			*** Serum 1207 ***			*** Serum 1208 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A31	100%	100%	B13	100%	100%	B13	100%	100%	B13	100%	100%
A33	100%	100%	B27	100%	100%	B27	100%	100%	B18	100%	100%
B13	100%	100%	B37	100%	100%	B44	100%	100%	B27	100%	100%
B18	100%	100%	B41	100%	100%	B45	100%	100%	B35	100%	100%
B35	100%	100%	B42	100%	100%	B47	100%	100%	B37	100%	100%
B37	100%	100%	B47	100%	100%	B48	100%	100%	B38	100%	100%
B38	100%	100%	B48	100%	100%	B50	100%	100%	B39	100%	100%
B41	100%	100%	B54	100%	100%	B55	100%	100%	B41	100%	100%
B44	100%	100%	B55	100%	100%	B60	100%	100%	B42	100%	100%
B45	100%	100%	B56	100%	100%	B61	100%	100%	B44	100%	100%
B47	100%	100%	B59	100%	100%	B7	100%	100%	B48	100%	100%
B48	100%	100%	B60	100%	100%	B81	100%	100%	B50	100%	100%
B49	100%	100%	B61	100%	100%	B35	100%	75%	B53	100%	100%
B50	100%	100%	B65	100%	100%	B41	50%	100%	B54	100%	100%
B51	100%	100%	B67	100%	100%	B42	50%	100%	B55	100%	100%
B52	100%	100%	B7	100%	100%	B49	50%	100%	B58	100%	100%
B53	100%	100%	B8	100%	100%	B62	50%	100%	B59	100%	100%
B58	100%	100%	B81	100%	100%	B72	50%	100%	B62	100%	100%
B59	100%	100%	B52	100%	75%				B64	100%	100%
B60	100%	100%	B62	100%	75%				B65	100%	100%
B61	100%	100%	B57	50%	50%				B67	100%	100%
B62	100%	100%							B72	100%	100%
B63	100%	100%							B75	100%	100%
B71	100%	100%							B78	100%	100%
B72	100%	100%							B8	100%	100%
B75	100%	100%							B81	100%	100%
B78	100%	100%							B45	100%	75%
A66	50%	100%							B57	100%	50%
A68	50%	100%							A34	50%	100%
B39	50%	100%							A68	50%	100%
B46	50%	100%							A69	50%	100%
B54	50%	100%							B46	50%	100%
B55	50%	100%							B47	50%	100%
B56	50%	100%							B51	50%	100%
B57	50%	100%							B52	50%	100%
B64	50%	100%							B7	50%	100%

Table 22. Individual laboratory results for Serum #1205-#1208 by NIH-Standard and NIH-Extended - class I

	**** Serum 1205 ****					**** Serum 1206 ****					**** Serum 1207 ****					**** Serum 1208 ****										
Investigator	% POS	B13			Other	% POS	B60	B7	B27		Other	% POS	B13	B60	B61	B48		Other	% POS	B38	B39	A25	A26	A68	Other	Method
Claas, F.H.J.	6	+				50	+	+	+			21	+	+	+				67	+	+	+	+	+		STD
Thornton, Alycia	11	+				26	+	+				22	+	+	+				7	+	+				B37	STD
Vasilescu, Rodica	8	+				30	+		+		B61,B37,B81	20	+	+	+				10	+	+					STD
Watson, Narelle	4	+				51	+	+	+			27	+	+	+	+			14	+	+					STD

STD = NIH-Standard

	**** Serum 1205 ****					**** Serum 1206 ****						**** Serum 1207 ****					**** Serum 1208 ****										
Investigator	% POS	B13	B49	B50	Other	% POS	B27	B60	B7	B42	B48	Other	% POS	B13	B60	B61	B47	B48	Other	% POS	B38	B39	A23	B37	B18	Other	Method
Lardy, N.M.	8	+				40	+	+	+	+		B55,B56	17	+	+	+	+			40	+	+	+	+	+		EXT
Reed, Elaine F. PhD	13	+	+	+		31	+	+	+		+	B81	24	+	+	+		+		17	+	+					EXT

EXT = EXT-Standard

Table 23. Individual laboratory results for Serum #1205-#1208 by Antiglobulin and C1q - class I

Investigator	**** Serum 1205 ****										**** Serum 1206 ****										Method				
	% POS	B13	B44	B45	B51	B61	B41	B50	B49	Other	% POS	B60	B61	B81	B27	B37	B47	B55	B7	B13		B41	B42	B56	Other
Cecka, J. Michael P	90	+	+	+	+	+	+	+	+	B62,B52,B53>	65	+	+	+	+	+	+	+	+	+	+	+	+	B39,B57,B8>	Antiglobulin
Hahn, Amy B. PhD		+	+				+	+	+			+	+	+		+	+	+	+	+	+	+	+		Antiglobulin
Vasilescu, Rodica	14	+	+	+	+	+				B60	32	+	+	+	+	+									Antiglobulin
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	B47,B52,B53 >		+	+	+	+	+	+	+	+	+	+	+	+	B82,B73,A66 >	C1q

Investigator	**** Serum 1207 ****										**** Serum 1208 ****										Method				
	% POS	B13	B61	B60	B47	B81	B41	B7	B27	Other	% POS	B38	B39	B8	B27	B18	B42	B64	B37	B65		B41			Other
Cecka, J. Michael P	53	+	+	+	+	+	+	+	+	B49,B50,B44>	72	+	+	+	+	+	+	+	+	+	+	+		B44,B53,B55 >	Antiglobulin
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+		B14,B16	Antiglobulin
Vasilescu, Rodica	18	+	+	+							28	+	+	+	+	+									Antiglobulin
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	B73,A66,B48		+	+	+	+	+	+	+	+	+	+	+		B67,B54,B59>	C1q

Table 24. Individual laboratory results for Serum #1205-#1208 by Other - class I

Investigator	**** Serum 1205 ****													**** Serum 1206 ****													Method					
	% POS	B13	B18	B35	B49	B50	B53	B60	B61	B62	B71	B72	Other	% POS	B13	B27	B41	B42	B47	B48	B54	B55	B56	B60	B61	B67		B7	B8	B81	B82	Other
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	A2,B78,B47,B51 >		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,A1,A29,A32 >	Other - LMX PRA
Reed, Elaine F. PhD	82	+	+	+	+	+	+	+	+	+	+	+	B45,B41	88	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		Other - LMX PRA
McCluskey, James	15													22																		Other - CDC PRA

Investigator	**** Serum 1207 ****													**** Serum 1208 ****													Method					
	% POS	B13	B27	B41	B47	B48	B49	B50	B60	B61	B7	B81	Other	% POS	B18	B35	B42	B54	B55	B8												
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	B62,B44,B51,B45 >		+	+	+	+	+	+											B78,B62,B49,B50 >	Other - LMX PRA
Reed, Elaine F. PhD	74	+	+	+	+	+	+	+	+	+	+	+	B82	82	+	+	+	+	+	+											B41	Other - LMX PRA
McCluskey, James	22													19																		Other - CDC PRA

Table 25. Individual laboratory results for Serum #1205 by Luminex - class I

Investigator	% POS	**** Serum 1205 ****																													Method									
		B13	B35	B41	B44	B45	B49	B50	B53	B18	B38	B52	B37	B47	B51	B39	B48	B59	B62	B57	B58	B60	B72	B75	B76	B56	B61	B63	B64	B71		B77	A2	B8	B78	A68	A31	Other		
Abu Amin, Noryati	Multi	+	+	+	+	+	+	+	+	+	+	+				+	+		+	+	+	+					+	+							+		+	+	A11,A24,A66,B7	LMX
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54	LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B65,B7801,B3901	LMX	
Bengochea, Carrette	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+						+							+	+		B40,B15,A66,B70	LMX		
Cecka, J. Michael P	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B55,A69,B65	LMX	
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A203,B54,B55,A1	LMX	
Daniel, Dolly	8	+	+	+	+	+	+	+	+							+			+			+	+	+	+										+		B21,B12	LMX		
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A69	LMX	
Dunckley, Heather	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A203,A66,B8	LMX	
Eckels/CPMC,	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55	LMX	
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54	LMX	
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54	LMX	
Hamdi, Nuha	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B54,B55,A34	LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A6	LMX
Juarez, Fabiola	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Keming, Du	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,B55,A33,A69	LMX	
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A6	LMX	
Pancoska, Carol Ph	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55	LMX		
Permpikul, Vejbaesy	56	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55	LMX	
Pule, Ziningi	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																				+		B40,B15,A33,BW	LMX	
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55	LMX	
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A33	LMX	
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B703,B54,A33,A6	LMX	
V.Brouard, M.Tonye	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+	A203,B40,B54,B5	LMX		
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B54,B55,A1	LMX	
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A6	LMX	
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B82,B54	LMX
Xu, Ri		+	+	+	+	+	+	+	+	+	+	+	+	+	+			+																		+		B40,B15,B12C,B5	LMX	

Table 26. Individual laboratory results for Serum #1206 by Luminex - class I

		**** Serum 1206 ****																																									
Investigator	% POS	B42	B55	B67	B7	B13	B47	B54	B56	B73	B27	B8	CW7	B41	B52	B57	B37	B48	B59	B60	B61	CW2	CW8	CW16	B82	B62	A3	B49	B58	B81	B65	A36	A32	A74	B39	B63	Other	Method					
Abu Amin, Noryati	Multi	+	+	+	+		+	+			+				+	+				+	+					+							+	+	+		A11,A24,A66,B78	LMX					
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX			
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,A29,B8101,C	LMX				
Bengochea, Carrette	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B15,B50,B70	LMX				
Cecka, J. Michael P	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B50,B64,B72	LMX			
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B50,A1,A25,A26	> LMX			
Daniel, Dolly	15	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+		+			+											+	B40,B703,B22,B8	LMX				
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,A1,A29,B64	> LMX		
Dunckley, Heather	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX		
Eckels/CPMC,	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B50,A1,A29	> LMX		
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX		
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX		
Hamdi, Nuha	76	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,A1,A29	> LMX		
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX	
Juarez, Fabiola	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX		
Keming, Du	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66	LMX		
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B64,CW12,B	LMX		
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX	
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,B45	LMX	
Pancoska, Carol Ph	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX	
Permpikul, Vejbaesy	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX	
Pule, Ziningi	18	+	+	+	+	+				+	+																												+	B40,A66,BW4,BV	LMX		
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,B50,A1,A29	> LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66	LMX	
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B50,B703,B64,B3	LMX	
V.Brouard, M.Tonye	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B50,A1,A29	> LMX	
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B50,A1,A25,A34	> LMX	
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,A11,A24,A2	LMX	
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B50,A1	> LMX
Xu, Ri		+	+	+	+	+	+	+	+	+	+	+	+	+																										+	B40,B703,B14,CV	LMX	

Table 28. Individual laboratory results for Serum #1208 by Luminex - class I

Investigator	% POS	**** Serum 1208 ****																											Method										
		A34	A68	B38	B42	B54	B55	B8	B18	B35	B41	B44	B53	B56	B57	B67	A33	B37	B45	B49	B50	B58	B59	B7	B13	B47	B52	B27		A69	B39	B51	B62	B71	B72	B75	A29	Other	
Abu Amin, Noryati	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,A1,A25	LMX	
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX	
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36	LMX	
Bengochea, Carrette	57	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B82,B703,A3	LMX		
Cecka, J. Michael P	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B64	LMX	
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,A36,B6	LMX	
Daniel, Dolly	6	+	+	+	+	+	+				+					+													+							B16,B2708	LMX		
Danish, Adel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX	
Dunckley, Heather	99	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX	
Eckels/CPMC,	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36	LMX	
Fort, Marylise	NT																																				LMX		
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36	LMX	
Hamdi, Nuha	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX
Juarez, Fabiola	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B64	LMX
Keming, Du	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B64	LMX
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B64,B65,B76	LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36	LMX
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,B48,B	LMX
Pancoska, Carol Ph	71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX
Permpikul, Vejbaesy	64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX
Pule, Ziningi	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B78,B82,A36	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,A36	LMX
Thornton, Alycia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B78,B82,B70	LMX
V.Brouard, M.Tonye	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,A36,B1	LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,A36,B6	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,CW6,B48,A	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW6,B48,B78,B8	LMX
Xu, Ri		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B78,B14,B12	LMX

Table 29. Individual laboratory results for Serum #1201-#1208 by ELISA - class I

		**** Serum 1205 ****																												
Investigator	% POS	A31	A33	B13	B18	B35	B37	B38	B41	B44	B45	B47	B48	B49	B50	B51	B52	B53	B58	B59	B60	B61	B62	B63	B71	B72	B75	B78	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A11,A66,B54,B55 >	Elisa
Juarez, Fabiola	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B64,B39	Elisa

		**** Serum 1206 ****																					
Investigator	% POS	B13	B27	B37	B41	B42	B47	B48	B54	B55	B56	B59	B60	B61	B65	B67	B7	B8	B81	B82	B62	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		Elisa
Juarez, Fabiola	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B57	Elisa

		**** Serum 1207 ****																	
Investigator	% POS	B13	B27	B44	B45	B47	B48	B50	B55	B60	B61	B7	B81	B35	Other	Method			
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+		Elisa			
Juarez, Fabiola	31	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B49,B41,B42 >	Elisa			

		**** Serum 1208 ****																													
Investigator	% POS	B13	B18	B27	B35	B37	B38	B39	B41	B42	B44	B48	B50	B53	B54	B55	B58	B59	B62	B64	B65	B67	B72	B75	B78	B8	B81	B45	B57	Other	Method
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A3	Elisa	
Juarez, Fabiola	59	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B47,B51,B52,B7 >	Elisa	

Table 30. Individual laboratory results for Serum #1201-#1208 by Luminex - class II

Investigator	**** Serum 1205 ****			**** Serum 1206 ****			**** Serum 1207 ****			**** Serum 1208 ****							Method		
	% POS	DR53	Other	% POS	DR7	Other	% POS	DR4	Other	% POS	DR11	DR13	DR17	DR18	DR8	DR12		DR14	Other
Abu Amin, Noryati	0			Multi	+		Multi	+		Multi	+		+	+	+			DQ7	LMX
Al-Attas, Rabab A. I	???			0			0			0									LMX
Arnold, Paula PhD		+																	LMX
Cecka, J. Michael P	0			0			0			0									LMX
Chen, Dong-Feng P		+						+			+	+	+	+	+	+	+		LMX
Daniel, Dolly	0			0			0			0									LMX
Danish, Adel		+						+											LMX
Dunckley, Heather	0	+		0			0			0									LMX
Eckels/CPMC,	4	+		0			9			66	+	+	+	+	+	+	+		LMX
Hahn, Amy B. PhD		+																	LMX
Hamdi, Nuha	0	+		0			17	+		63	+	+	+	+	+	+	+	DQ7	LMX
Holdsworth, Rhonda		+		0				+			+	+	+						LMX
McCluskey, James		+		0				+			+	+	+	+	+	+	+		LMX
Pancoska, Carol Ph	2	+		0			5	+		16	+	+							LMX
Pule, Ziningi	1		DR1,DR4	29		DQ3,DQ4,DQ5,DQ6	0			1	+								LMX
Reed, Elaine F. PhD		+		0			0	+		0									LMX
Sacchi, Nicoletta	NT			NT						NT									LMX
V.Brouard, M.Tonye	0			0			17	+		20	+	+	+	+	+	+	+		LMX
Vather/JHB,		+			+	DR4		+			+	+	+						LMX
Vather/Pinetown,		+		0				+		0									LMX

Table 31. Individual laboratory results for Serum #1201-#1208 by NIH-Extended and Luminex PRA - class II

Investigator	**** Serum 1205 ****		**** Serum 1206 ****		**** Serum 1207 ****		**** Serum 1208 ****							Method					
	% POS	Other	% POS	Other	% POS	Other	% POS						Other						
Reed, Elaine F. PhD	40		30		32		28												NIH-EXT
Reed, Elaine F. PhD	0		0		0		0												LMX-PRA



NEXT MAILING DATE: February 8, 2017
Arlene Locke, David Gjertson, Qiheng Zhang, and Elaine F. Reed

