

SERUM EXCHANGE #594 FEBRUARY 5, 2024

Sera	1377 - 1381
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The results for **Serum Exchange 594 (sera 1377 - 1381)**, are summarized in Tables 1 – 6 and individual laboratory results by method are listed in Tables 7 - 20.

1377	method	#labs	B38	B39	B3901	B67	B18	B35	B37	B41	B42	B54	B55	B56	B59	B8	B64	
class I	AHG	1	NT															
	C1q	1	no consensus															
	PRA	3	67%	67%		67%	67%	67%	67%	33%	67%	67%	67%	67%	67%	67%	67%	
	SAB	23	100%	91%	26%	100%	100%	100%	100%	100%	100%	100%	100%	87%	100%	100%	96%	

1377	method	#labs	B65	B71	B53	B75	B51	B49	B27	B2705	B2708	B57	B50	B77	B44	B72	B78	B7801
	PRA	3	67%	67%	33%	33%	33%	67%	33%			67%	33%	33%	33%	33%	33%	
	SAB	23	91%	96%	91%	87%	78%	74%	70%	26%	26%	70%	65%	65%	61%	57%	57%	17%

1377	method	#labs	B82	B8201	B62	B45	B52	B58	B63	B47	A29	B13	B14	A24	A33	B15	B46	B76
	PRA	3	33%		33%	33%	33%	33%										
	SAB	23	57%	17%	52%	48%	26%	26%	22%	17%	13%	13%	13%	9%	9%	9%	9%	9%

1377	method	#labs	NEG	DR52	DR7	DQ7	DQ3	DR12	DQA1*05	DR9	DP10	DP11	DP13	DP14
class II	PRA	3	67%	33%	33%	33%		33%						
	SAB	18	72%	17%	17%	17%	12%	12%	17%	12%	6%	6%	6%	6%

Serum 1377. Strong anti-B38 (15737), -B39 (17726), and -B67 (17880) reactivity was detected in this sample by C1q, PRA, and SAB. Each was reported by > 90% of SAB labs. Additional reactivity to B18 (7731), B35 (5024), B37 (5210), B41 (6258), B42 (8198), as well as reactivity to number of 5C, 7C, and 8C specificities, was reported by PRA and SAB labs. Allele specific

B*51:02 reactivity was also reported by 2 labs.

The majority of PRA (67%) and SAB (72%) labs reported this sample as negative for class II. SAB labs reporting class II reactivity reported antibody strengths of < 1000 MFI. As consensus among SAB labs was < 90%, this sample was not graded for class II.

*(median MFI by SAB)

1378	method	#labs	A2	A68	B57	B58	A69	A23	A24	A25	A32	B13	B37	B44	B53	B38	B47	B49	B51	B52	B59	B63	B77	B27	B2705	
class I	AHG	1	no consensus																							
	C1q	1	no consensus																							
	PRA	3	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%	
	SAB	23	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	96%	87%	39%
1378	method	#labs	A2403	Bw 4	A203	B62	A43	A80	B15	B76	Cw 17	Cw 7	A26	A29	A2C	A31	A33	A34	A66	A6601	B8	B46	B73	B75	Cw 2	Cw 8
	PRA	3		33%										33%							33%					
	SAB	23	35%	35%	26%	22%	13%	13%	13%	13%	13%	13%	9%	9%	9%	9%	9%	9%	9%	9%	4%	9%	9%	9%	9%	9%
1378	method	#labs	DR7	DR9	DR12	DQ7	DQ8	DQ9	DQ3	DQ6	DQ2	DQ4	DR52	DQA1*02	DQA1*04	DQA1*05	DQA1*03	DQA1*06	DQA1*01	DR53	DP10	DP11	DP13			
class II	PRA	3	67%	67%	67%	67%	67%	67%		33%	33%	33%	33%													
	SAB	22	100%	100%	100%	95%	95%	95%	14%	100%	86%	86%	82%	45%	41%	36%	32%	32%	22%	14%	5%	5%	5%			

Serum 1378. For this sample, strong anti-A2 (19464), -A68 (18883), -A69 (18007), -B57 (18445), and -B58 (16557) reactivity was reported by AHG, C1q, PRA, and SAB. Each was reported by 100% of SAB labs. Additional reactivity to A23 (14701), A24 (14484), A25 (13518), A32 (15166), B37 (10940), B44 (7937), B38 (10735), as well as reactivity to a number of 5C and 7C specificities, was reported by various methods.

For class II, strong anti-DR7 (20161), -DR9 (9555), -DR12 (9335), -DQ7

(16524), -DQ8 (16670), and -DQ9 (17404) reactivity was detected by PRA and SAB. Additional reactivity to DQ6 (3487), DQ2 (3121), DQ4 (3650), and DR52 (9091) was also reported by PRA and SAB. Strong anti-DQA1*03 (15080), -DQA1*05 (19998), and -DQA1*06 (19050) reactivity, in addition to allele specific DRB3*01:01 and DRB3*03:01 reactivity, was reported by a number of labs.

*(median MFI by SAB)

1379	method	#labs	B13	B27	B2708	B2705	B60	B61	B48	B7	B81	B8101	B41	B42	B47	B55	B67	B73	B8	B38		
class I	AHG	1	no consensus																			
	C1q	1	no consensus																			
	PRA	3	67%	67%			67%	67%	67%	67%	67%		67%	67%	67%	67%	67%	67%	33%	33%		
	SAB	23	100%	91%	39%	35%	96%	96%	100%	100%	96%	26%	100%	100%	100%	100%	100%	100%	100%	100%		
1379	method	#labs	B39	B3901	B75	B76	B62	Cw 2	B56	B50	B49	B72	B71	A66	A6602	B54	B59	B35	B77	Cw 17		
	PRA	3	67%		67%	33%	33%	33%	67%	67%	67%	33%	33%	33%		33%	33%	67%	33%	33%		
	SAB	23	96%	30%	91%	96%	96%	96%	87%	87%	78%	87%	83%	78%	39%	74%	70%	65%	65%	65%		
1379	method	#labs	B37	B18	B45	B64	B65	B52	B78	B7801	B82	B8201	B46	Bw 6	B63	B4005	B40	B15	B703	Cw 18	B7C	B8C
	PRA	3	33%	67%	33%	33%	33%	33%	33%		33%		33%	33%								
	SAB	23	61%	57%	57%	48%	30%	35%	35%	9%	35%	9%	22%	22%	26%	22%	17%	13%	13%	13%	9%	9%

1379	method	#labs	DR7	DR11	DR53	DR9	DP10	DP28	DPw3	DPw6	DP18	DP9	DP14	DP17	DP11	DP13	DP20	DP19	DPw1	DPw5
class II	PRA	3	67%	67%	33%	67%	33%	33%				33%	33%	33%	33%	33%	33%	33%		
	SAB	22	95%	95%	95%	86%	77%	100%	100%	100%	100%	91%	91%	91%	95%	95%	82%	91%	95%	95%
1379	method	#labs	DPw2	DPw4	DPA1*02	DPA1*03	DP402	DPA1*01	DPA1*04	DP105	DP107	DP26	DP30	DP31	DP85	DP15	DP23	DPA1*05	DQ2	DQ4
	SAB	22	82%	68%	32%	32%	27%	27%	27%	23%	23%	23%	23%	23%	23%	18%	5%	5%	5%	5%

Serum 1379. Strong anti-B13 (21791), -B27 (15273), -B60 (17037), and -B61 (16064) reactivity was detected in this sample by AHG, C1q, PRA, and SAB labs. In addition reactivity to B48 (13160), B7 (17681), and B81 (16515) was also reported by C1q, PRA, and SAB. Additional anti-B8 (4147), -B38 (2916), -B39 (4301) reactivity, along with reactivity to a number of 5C and 7C specificities, was reported by PRA and SAB.

Reactivity to a number of DR and DP specificities was detected in this sample by PRA and Luminex, including anti-DR7 (12780), -DR11 (4099), -DR53 (3637), -DR9 (2199), -DP10 (9521), -DP28 (6128), and -DP9 (9058) reactivity. In addition, a number of SAB labs reported reactivity to DPA1*01 (5409), DPA1*02 (6391), DPA1*03 (6454), and DPA1*04 (5186).

*(median MFI by SAB)

1380	method	#labs	A25	A26	A66	A6601	A6602	A43	A34	A29	A1	A11	A30	B57	B58	B39	B38
class I	AHG	1	NT														
	C1q	1	no consensus														
	PRA	3	67%	67%	67%			33%	67%	67%	67%	67%	67%	67%	67%	67%	33%
	SAB	23	100%	100%	91%	30%	30%	100%	100%	100%	96%	96%	83%	100%	96%	100%	96%
1380	method	#labs	B63	B54	B55	B67	A36	A80	A33	A68	B41	B42	A31	B59	A74	B73	B8
	PRA	3	67%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
	SAB	23	96%	100%	100%	100%	100%	100%	96%	96%	83%	83%	78%	78%	74%	74%	74%
1380	method	#labs	A69	B56	Cw 18	A1102	A1101	Cw 6	A3	B3901	Cw 7	B37	B15	A10C	A24	B75	
	PRA	3	33%	33%	33%			33%			33%						
	SAB	23	70%	70%	70%	30%	26%	26%	22%	22%	22%	17%	13%	9%	9%	9%	

1380	method	#labs	DR11	DR12	DR13	DR10	DR18	DP28	DP18	DP14	DP17	DP9	DPw 3	DPw 6	DR7	DR14	DR17	
class II	PRA	3	67%	67%	67%	67%	67%	33%	33%	33%	33%				67%	67%	67%	
	SAB	22	100%	100%	100%	100%	91%	100%	100%	91%	91%	91%	100%	100%	100%	95%	95%	
1380	method	#labs	DR52	DP10	DPw 2	DP20	DQ7	DR9	DQ6	DQ9	DQ8	DQ2	DPw 4	DPw 1	DQA1*01	DQA1*05	DQA1*06	DP402
class II	PRA	3	33%	33%	33%	33%	67%	33%	33%	67%	67%	33%						
	SAB	22	100%	86%	86%	82%	82%	82%	73%	73%	68%	14%	73%	41%	41%	36%	32%	27%
1380	method	#labs	DPw 5	DP105	DPA1*01	DQA1*03	DPA1*02	DPA1*04	DR4	DR1	DR103	DR3	DQ3	DR1403	DP11	DP13	DP15	DP19
	SAB	22	27%	23%	23%	23%	18%	18%	18%	14%	14%	14%	9%	9%	5%	5%	5%	5%

Serum 1380. Strong anti-A25 (18069), -A26 (17841), -A43 (14472), -A66 (11219), and -B57 (13181) reactivity was reported by C1q, PRA, and SAB. Additional anti-B57 (13181), -B58 (10086), -B38 (4432), -B39 (4898) reactivity, along with reactivity to a number of 1C and 7C specificities, was also reported by labs.

Strong reactivity to a number of DR and DP specificities was detected in

this sample, including reactivity to DR11 (14113), DR12 (2403), DR13 (7821), DR10 (7366), DR18 (9126), DP28 (15006), DP18 (14068), DP14 (15489), DP17 (15897), and DP9 (16527). In addition, weak anti-DQ6 (3575), -DQ7 (2660), -DQ8 (2169) reactivity, as well as reactivity to a number of DQA1 specificities was reported by labs. Allele specific DRB1*09:01, DQB1*06:01, and DQB1*06:03 reactivity was also reported by several SAB labs.

*(median MFI by SAB)

1381	method	#labs	B8	A1	A24	A2403	A23	A3	A36	A80	A11	A1101	A1102	A29	A30	A32	A26	A34	B59	B54
class I	AHG	1	no consensus																	
	C1q	1	no consensus																	
	PRA	3	67%	67%	67%		67%	67%	67%	67%	67%			67%	67%	33%	33%	33%	33%	33%
	SAB	23	100%	100%	100%	30%	96%	100%	100%	100%	96%	26%	30%	96%	96%	96%	96%	91%	96%	91%
1381	method	#labs	A74	A66	A6601	A6602	A25	A31	A33	A43	A68	A69	B65	B18	B75	B64	B76	A1C	B14	B55
	PRA	3	33%	33%			33%	33%	33%	33%	33%	33%	33%							
	SAB	23	87%	74%	17%	17%	65%	87%	87%	87%	70%	52%	52%	39%	35%	13%	13%	9%	9%	9%

1381	method	#labs	DR11	DR13	DR14	DR1403	DR17	DR18	DR8	DP18	DP28	DP14	DP17
class II	PRA	3	67%	67%	67%		67%	67%	67%	33%	33%	33%	33%
	SAB	22	100%	100%	100%	9%	95%	91%	82%	100%	100%	95%	91%
1381	method	#labs	DPw6	DPw3	DPw2	DP9	DP10	DP20	DP19	DPw4	DR12	DR52	DP402
	PRA	3				33%	33%	33%	33%		33%	33%	
	SAB	22	100%	100%	91%	86%	86%	86%	73%	73%	59%	45%	27%
1381	method	#labs	DP402	DP105	DPA1*01	DPA1*02	DPA1*04	DPw5	DR3	DR9	DP11	DP13	DP15
	SAB	22	27%	23%	23%	18%	18%	18%	14%	9%	5%	5%	5%

Serum 1381. In this sample, strong anti-B8 (20356) reactivity was reported by AHG, C1q, PRA, and SAB. In addition, PRA and SAB labs reported reactivity to a number of 1C, 7C, and 10C specificities, including A1 (9809), A24 (5538), A23 (5266), A32 (4199), A26 (3183), B59 (4622), and B54 (3677).

Strong class II reactivity was also detected in this sample, with PRA and

SAB labs reporting reactivity to a number of DR specificities, including anti-DR11 (8625), -DR13 (5438), -DR14 (5092), -DP18 (8627), -DP28 (7787), and -DP14 (9282) reactivity. In addition, strong reactivity to DPA*01 (9860), DPA1*02 (11049), DPA1*04 (7717) was reported by a few labs.

*(median MFI by SAB)

NEXT MAILING DATE: May 14, 2025

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Table 1. Summary of the 594th Serum Exchange (Serum #1377 - 1381) by C1q - class I

Method: C1q																								
*** Serum 1377 ***					*** Serum 1378 ***					*** Serum 1379 ***					*** Serum 1380 ***					*** Serum 1381 ***				
1 typing Lab					1 typing Lab					1 typing Lab					1 typing Lab					1 typing Lab				
Antigen	Consensus	Inclusion			Antigen	Consensus	Inclusion			Antigen	Consensus	Inclusion			Antigen	Consensus	Inclusion			Antigen	Consensus	Inclusion		
no consensus					no consensus					no consensus					no consensus					no consensus				

Table 2. Summary of the 594th Serum Exchange (Serum #1377 - 1381) by Antiglobulin - class I

Method: Antglobulin														
*** Serum 1377 ***			*** Serum 1378 ***			*** Serum 1379 ***			*** Serum 1380 ***			*** Serum 1381 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
NT			no consensus			no consensus			NT			no consensus		

Table 3. Summary of the 594th Serum Exchange (Serum #1377 - 1381) by PRA - class I

Method: Luminex-PRA														
*** Serum 1377 ***			*** Serum 1378 ***			*** Serum 1379 ***			*** Serum 1380 ***			*** Serum 1381 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B18	67%	100%	A2	67%	100%	B13	67%	100%	A1	67%	100%	A1	67%	100%
B35	67%	100%	A23	67%	100%	B18	67%	100%	A11	67%	100%	A11	67%	100%
B37	67%	100%	A24	67%	100%	B27	67%	100%	A25	67%	100%	A23	67%	100%
B38	67%	100%	A25	67%	100%	B35	67%	100%	A26	67%	100%	A24	67%	100%
B39	67%	100%	A32	67%	100%	B39	67%	100%	A29	67%	100%	A29	67%	100%
B42	67%	100%	A68	67%	100%	B41	67%	100%	A30	67%	100%	A3	67%	100%
B49	67%	100%	A69	67%	100%	B42	67%	100%	A34	67%	100%	A30	67%	100%
B54	67%	100%	B13	67%	100%	B47	67%	100%	A66	67%	100%	A36	67%	100%
B55	67%	100%	B27	67%	100%	B48	67%	100%	B39	67%	100%	A80	67%	100%
B56	67%	100%	B37	67%	100%	B49	67%	100%	B57	67%	100%	B8	67%	100%
B57	67%	100%	B44	67%	100%	B50	67%	100%	B58	67%	100%	A25	33%	100%
B59	67%	100%	B53	67%	100%	B55	67%	100%	B63	67%	100%	A26	33%	100%
B64	67%	100%	B57	67%	100%	B56	67%	100%	A31	33%	100%	A31	33%	100%
B65	67%	100%	B58	67%	100%	B60	67%	100%	A33	33%	100%	A32	33%	100%
B67	67%	100%	B63	67%	100%	B61	67%	100%	A36	33%	100%	A33	33%	100%
B71	67%	100%	A29	33%	100%	B67	67%	100%	A43	33%	100%	A34	33%	100%
B8	67%	100%	B38	33%	100%	B7	67%	100%	A68	33%	100%	A43	33%	100%
B27	33%	100%	B47	33%	100%	B73	67%	100%	A69	33%	100%	A66	33%	100%
B41	33%	100%	B49	33%	100%	B75	67%	100%	A74	33%	100%	A68	33%	100%
B44	33%	100%	B51	33%	100%	B81	67%	100%	A80	33%	100%	A69	33%	100%
B45	33%	100%	B52	33%	100%	A66	33%	100%	B38	33%	100%	A74	33%	100%
B50	33%	100%	B59	33%	100%	B37	33%	100%	B41	33%	100%	B54	33%	100%
B51	33%	100%	B77	33%	100%	B38	33%	100%	B42	33%	100%	B59	33%	100%
B52	33%	100%	B8	33%	100%	B45	33%	100%	B54	33%	100%	B65	33%	100%
B53	33%	100%	Bw4	33%	100%	B46	33%	100%	B55	33%	100%			
B58	33%	100%				B52	33%	100%	B56	33%	100%			
B62	33%	100%				B54	33%	100%	B59	33%	100%			
B72	33%	100%				B59	33%	100%	B67	33%	100%			
B75	33%	100%				B62	33%	100%	B73	33%	100%			
B77	33%	100%				B64	33%	100%	B8	33%	100%			
B78	33%	100%				B65	33%	100%	Cw18	33%	100%			
B82	33%	100%				B71	33%	100%	Cw6	33%	100%			
						B72	33%	100%	Cw7	33%	100%			
						B76	33%	100%						
						B77	33%	100%						

Table 4. Summary of the 594th Serum Exchange (Serum #1377 - 1381) by Single Antigen - class I

Method: Luminex - SAB														
*** Serum 1377 ***			*** Serum 1378 ***			*** Serum 1379 ***			*** Serum 1380 ***			*** Serum 1381 ***		
23 typing Labs			23 typing Labs			23 typing Labs			23 typing Labs			23 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B18	100%	100%	A2	100%	100%	B13	100%	100%	A25	100%	100%	A1	100%	100%
B35	100%	100%	A23	100%	100%	B38	100%	100%	A26	100%	100%	A24	100%	100%
B37	100%	100%	A24	100%	100%	B41	100%	100%	A29	100%	100%	A3	100%	100%
B38	100%	100%	A25	100%	100%	B42	100%	100%	A34	100%	100%	A36	100%	100%
B41	100%	100%	A32	100%	100%	B47	100%	100%	A36	100%	100%	A80	100%	100%
B42	100%	100%	A68	100%	100%	B48	100%	100%	A43	100%	100%	B8	100%	100%
B54	100%	100%	A69	100%	100%	B55	100%	100%	A80	100%	100%	A11	96%	100%
B55	100%	100%	B13	100%	100%	B67	100%	100%	B39	100%	100%	A23	96%	100%
B59	100%	100%	B37	100%	100%	B7	100%	100%	B54	100%	100%	A26	96%	100%
B67	100%	100%	B38	100%	100%	B73	100%	100%	B55	100%	100%	A29	96%	100%
B8	100%	100%	B44	100%	100%	B8	100%	100%	B57	100%	100%	A30	96%	100%
B64	96%	100%	B47	100%	100%	B39	96%	100%	B67	100%	100%	A32	96%	100%
B71	96%	100%	B49	100%	100%	B60	96%	100%	A1	96%	100%	B59	96%	100%
B39	91%	100%	B51	100%	100%	B61	96%	100%	A11	96%	100%	A34	91%	100%
B53	91%	100%	B52	100%	100%	B62	96%	100%	A33	96%	100%	B54	91%	100%
B65	91%	100%	B53	100%	100%	B76	96%	100%	A68	96%	100%	A31	87%	100%
B56	87%	100%	B57	100%	100%	B81	96%	100%	B38	96%	100%	A33	87%	100%
B75	87%	100%	B58	100%	100%	Cw2	96%	100%	B58	96%	100%	A43	87%	100%
B51	78%	100%	B59	100%	100%	B27	91%	100%	B63	96%	100%	A74	87%	100%
B49	74%	100%	B63	96%	100%	B75	91%	100%	A66	91%	100%	A66	74%	100%
B27	70%	100%	B77	96%	100%	B50	87%	100%	A30	83%	100%	A68	70%	100%
B57	70%	100%	B27	87%	100%	B56	87%	100%	B41	83%	100%	A25	65%	100%
B50	65%	100%	B2705	39%	100%	B72	87%	100%	B42	83%	100%	A69	52%	100%
B77	65%	100%	A2403	35%	100%	B71	83%	100%	A31	78%	100%	B65	52%	100%
B44	61%	100%	Bw4	35%	100%	A66	78%	100%	B59	78%	100%	B18	39%	100%
B72	57%	100%	A203	26%	100%	B49	78%	100%	A74	74%	100%	B75	35%	100%
B78	57%	100%	B62	22%	100%	B54	74%	100%	B73	74%	100%	A1102	30%	100%
B82	57%	100%	A43	13%	100%	B59	70%	100%	B8	74%	100%	A2403	30%	100%
B62	52%	100%	A80	13%	100%	B35	65%	100%	A69	70%	100%	A1101	26%	100%
B45	48%	100%	B15	13%	100%	B77	65%	100%	B56	70%	100%	A6601	17%	100%
B2705	26%	100%	B76	13%	100%	Cw17	65%	100%	Cw18	70%	100%	A6602	17%	100%
B2708	26%	100%	Cw17	13%	100%	B37	61%	100%	A1102	30%	100%	B64	13%	100%
B3901	26%	100%	Cw7	13%	100%	B18	57%	100%	A6601	30%	100%	B76	13%	100%
B52	26%	100%	A26	9%	100%	B45	57%	100%	A6602	30%	100%	A1C	9%	100%

Table 4. Summary of the 594th Serum Exchange (Serum #1377 - 1381) by Single Antigen - class I

Method: Luminex - SAB, cont.														
*** Serum 1377 ***			*** Serum 1378 ***			*** Serum 1379 ***			*** Serum 1380 ***			*** Serum 1381 ***		
23 typing Labs			23 typing Labs			23 typing Labs			23 typing Labs			23 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B58	26%	100%	A29	9%	100%	B64	48%	100%	A1101	26%	100%	B14	9%	100%
B63	22%	100%	A2C	9%	100%	A6602	39%	100%	Cw6	26%	100%	B55	9%	100%
B47	17%	100%	A31	9%	100%	B2708	39%	100%	A3	22%	100%	A10	4%	100%
B7801	17%	100%	A33	9%	100%	B2705	35%	100%	B3901	22%	100%	A10C	4%	100%
B8201	17%	100%	A34	9%	100%	B52	35%	100%	Cw7	22%	100%	A19	4%	100%
A29	13%	100%	A66	9%	100%	B78	35%	100%	B37	17%	100%	A2	4%	100%
B13	13%	100%	A6601	9%	100%	B82	35%	100%	B15	13%	100%	A203	4%	100%
B14	13%	100%	B46	9%	100%	B3901	30%	100%	A10C	9%	100%	A9	4%	100%
A24	9%	100%	B73	9%	100%	B65	30%	100%	A24	9%	100%	B13	4%	100%
A33	9%	100%	B75	9%	100%	B63	26%	100%	B75	9%	100%	B15	4%	100%
B15	9%	100%	Cw2	9%	100%	B8101	26%	100%	A10	4%	100%	B27	4%	100%
B46	9%	100%	Cw8	9%	100%	B4005	22%	100%	A19	4%	100%	B2705	4%	100%
B76	9%	100%	A1	4%	100%	B46	22%	100%	A1C	4%	100%	B2708	4%	100%
B8C	9%	100%	A10	4%	100%	Bw6	22%	100%	A2	4%	100%	B35	4%	100%
A1	4%	100%	A11	4%	100%	B40	17%	100%	A203	4%	100%	B37	4%	100%
A11	4%	100%	A1102	4%	100%	B15	13%	100%	A23	4%	100%	B38	4%	100%
A1102	4%	100%	A19	4%	100%	B703	13%	100%	A2403	4%	100%	B39	4%	100%
A2	4%	100%	A28	4%	100%	Cw18	13%	100%	A28	4%	100%	B41	4%	100%
A203	4%	100%	A3	4%	100%	B7801	9%	100%	A2C	4%	100%	B42	4%	100%
A23	4%	100%	A30	4%	100%	B7C	9%	100%	A32	4%	100%	B44	4%	100%
A2403	4%	100%	A36	4%	100%	B8201	9%	100%	B13	4%	100%	B45	4%	100%
A25	4%	100%	A6602	4%	100%	B8C	9%	100%	B16	4%	100%	B46	4%	100%
A26	4%	100%	A74	4%	100%	A1	4%	100%	B17	4%	100%	B47	4%	100%
A3	4%	100%	A9	4%	100%	A10	4%	100%	B18	4%	100%	B48	4%	100%
A30	4%	100%	B12	4%	100%	A11	4%	100%	B22	4%	100%	B49	4%	100%
A31	4%	100%	B12C	4%	100%	A1102	4%	100%	B2705	4%	100%	B50	4%	100%
A32	4%	100%	B16	4%	100%	A2	4%	100%	B2708	4%	100%	B51	4%	100%
A34	4%	100%	B17	4%	100%	A203	4%	100%	B35	4%	100%	B52	4%	100%
A36	4%	100%	B18	4%	100%	A23	4%	100%	B44	4%	100%	B53	4%	100%
A43	4%	100%	B21	4%	100%	A24	4%	100%	B45	4%	100%	B56	4%	100%
A66	4%	100%	B2708	4%	100%	A2403	4%	100%	B46	4%	100%	B57	4%	100%
A6601	4%	100%	B35	4%	100%	A25	4%	100%	B47	4%	100%	B58	4%	100%
A6602	4%	100%	B39	4%	100%	A26	4%	100%	B48	4%	100%	B60	4%	100%
A68	4%	100%	B41	4%	100%	A29	4%	100%	B49	4%	100%	B61	4%	100%

Table 5. Summary of the 594th Serum Exchange (Serum #1377 - 1381) by PRA - class II

Method: Luminex - PRA														
*** Serum 1377 ***			*** Serum 1378 ***			*** Serum 1379 ***			*** Serum 1380 ***			*** Serum 1381 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
NEG	67%	100%	DQ7	67%	100%	DR11	67%	100%	DQ7	67%	100%	DR11	67%	100%
DQ7	33%	100%	DQ8	67%	100%	DR7	67%	100%	DQ8	67%	100%	DR13	67%	100%
DR12	33%	100%	DQ9	67%	100%	DR9	67%	100%	DQ9	67%	100%	DR14	67%	100%
DR52	33%	100%	DR12	67%	100%	DP10	33%	100%	DR10	67%	100%	DR17	67%	100%
DR7	33%	100%	DR7	67%	100%	DP11	33%	100%	DR11	67%	100%	DR18	67%	100%
			DR9	67%	100%	DP13	33%	100%	DR12	67%	100%	DR8	67%	100%
			DQ2	33%	100%	DP14	33%	100%	DR13	67%	100%	DP10	33%	100%
			DQ4	33%	100%	DP17	33%	100%	DR14	67%	100%	DP14	33%	100%
			DQ6	33%	100%	DP18	33%	100%	DR17	67%	100%	DP17	33%	100%
			DR52	33%	100%	DP19	33%	100%	DR18	67%	100%	DP18	33%	100%
						DP20	33%	100%	DR7	67%	100%	DP19	33%	100%
						DP28	33%	100%	DP10	33%	100%	DP20	33%	100%
						DP9	33%	100%	DP14	33%	100%	DP28	33%	100%
						DR53	33%	100%	DP17	33%	100%	DP9	33%	100%
									DP18	33%	100%	DQ2	33%	100%
									DP20	33%	100%	DQ6	33%	100%
									DP28	33%	100%	DR52	33%	100%
									DP9	33%	100%	DR9	33%	100%
									DQ2	33%	100%			
									DQ6	33%	100%			
									DR52	33%	100%			
									DR9	33%	100%			

Table 6. Summary of the 594th Serum Exchange (Serum #1372-1377) by Single Antigen - class II

Method: Luminex - SAB														
*** Serum 1377 ***			*** Serum 1378 ***			*** Serum 1379 ***			*** Serum 1380 ***			*** Serum 1381 ***		
18 typing Labs			22 typing Labs			22 typing Labs			22 typing Labs			22 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
NEG	72%	-	DQ6	100%	100%	DP18	100%	100%	DP18	100%	100%	DP18	100%	100%
DQ7	17%	100%	DR12	100%	100%	DP28	100%	100%	DP28	100%	100%	DP28	100%	100%
DQA1*05	17%	100%	DR7	100%	100%	DPw3	100%	100%	DPw3	100%	100%	DPw3	100%	100%
DR52	17%	100%	DR9	100%	100%	DPw6	100%	100%	DPw6	100%	100%	DPw6	100%	100%
DR7	17%	100%	DQ7	95%	100%	DP11	95%	100%	DR10	100%	100%	DR11	100%	100%
DQ3	12%	100%	DQ8	95%	100%	DP13	95%	100%	DR11	100%	100%	DR13	100%	100%
DR12	12%	100%	DQ9	95%	100%	DPw1	95%	100%	DR12	100%	100%	DR14	100%	100%
DR9	12%	100%	DQ2	86%	100%	DPw5	95%	100%	DR13	100%	100%	DP14	95%	100%
DP10	6%	100%	DQ4	86%	100%	DR11	95%	100%	DR52	100%	100%	DR17	95%	100%
DP11	6%	100%	DR52	82%	100%	DR53	95%	100%	DR7	100%	100%	DP17	91%	100%
DP13	6%	100%	DQA1*02	45%	100%	DR7	95%	100%	DR14	95%	100%	DPw2	91%	100%
DP14	6%	100%	DQA1*04	41%	100%	DP14	91%	100%	DR17	95%	100%	DR18	91%	100%
DP15	6%	100%	DQA1*05	36%	100%	DP17	91%	100%	DP14	91%	100%	DP10	86%	100%
DP17	6%	100%	DQA1*03	32%	100%	DP19	91%	100%	DP17	91%	100%	DP20	86%	100%
DP18	6%	100%	DQA1*06	32%	100%	DP9	91%	100%	DP9	91%	100%	DP9	86%	100%
DP19	6%	100%	DQA1*01	22%	100%	DR9	86%	100%	DR18	91%	100%	DR8	82%	100%
DP20	6%	100%	DQ3	14%	100%	DP20	82%	100%	DP10	86%	100%	DP19	73%	100%
DP23	6%	100%	DR53	14%	100%	DPw2	82%	100%	DPw2	86%	100%	DPw4	73%	100%
DP28	6%	100%	DP10	5%	100%	DP10	77%	100%	DP20	82%	100%	DR12	59%	100%
DP9	6%	100%	DP11	5%	100%	DPw4	68%	100%	DQ7	82%	100%	DR52	45%	100%
DPw1	6%	100%	DP13	5%	100%	DPA1*02	32%	100%	DR9	82%	100%	DP402	27%	100%
DPw2	6%	100%	DP14	5%	100%	DPA1*03	32%	100%	DPw4	73%	100%	DP105	23%	100%
DPw3	6%	100%	DP15	5%	100%	DP402	27%	100%	DQ6	73%	100%	DPA1*01	23%	100%
DPw4	6%	100%	DP17	5%	100%	DPA1*01	27%	100%	DQ9	73%	100%	DPA1*02	18%	100%
DPw5	6%	100%	DP18	5%	100%	DPA1*04	27%	100%	DQ8	68%	100%	DPA1*04	18%	100%
DPw6	6%	100%	DP19	5%	100%	DP105	23%	100%	DPw1	41%	100%	DPw5	18%	100%
DQ2	6%	100%	DP20	5%	100%	DP107	23%	100%	DQA1*01	41%	100%	DR3	14%	100%
DQ4	6%	100%	DP23	5%	100%	DP26	23%	100%	DQA1*05	36%	100%	DR1403	9%	100%
DQ5	6%	100%	DP28	5%	100%	DP30	23%	100%	DQA1*06	32%	100%	DR9	9%	100%
DQ6	6%	100%	DP9	5%	100%	DP31	23%	100%	DP402	27%	100%	DP11	5%	100%
DQ8	6%	100%	DPw1	5%	100%	DP85	23%	100%	DPw5	27%	100%	DP13	5%	100%
DQ9	6%	100%	DPw2	5%	100%	DP15	18%	100%	DP105	23%	100%	DP15	5%	100%
DQA1*06	6%	100%	DPw3	5%	100%	DP23	5%	100%	DPA1*01	23%	100%	DP23	5%	100%
DR1	6%	100%	DPw4	5%	100%	DPA1*05	5%	100%	DQA1*03	23%	100%	DPA1*03	5%	100%
DR10	6%	100%	DPw5	5%	100%	DQ2	5%	100%	DPA1*02	18%	100%	DPw1	5%	100%
DR103	6%	100%	DPw6	5%	100%	DQ4	5%	100%	DPA1*04	18%	100%	DQ2	5%	100%

Table 7. Individual laboratory results for Serum #1377 - 1381 by Antiglobulin - class I

**** Serum 1377 ****				**** Serum 1378 ****				**** Serum 1379 ****				**** Serum 1380 ****				**** Serum 1381 ****							
%			Other	%	A2	A28	B17	Other	%	B13	B27	B40	Other	%			Other	%	B8			Other	Method
POS				POS	+	+	+		POS	+	+	+		POS				POS	+				Antiglobulin
NT														NT									

Table 8. Individual laboratory results for Serum #1377 - 1381 by C1q - class I

**** Serum 1377 ****										**** Serum 1378 ****																		
Ctr	% POS	B38	B39	B67					Other	% POS	A2	A203	A23	A24	A2403	A25	A32	A68	A69	B38	B49	B51	B53	B57	B58	B59	B63	Other
786		+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**** Serum 1379 ****										**** Serum 1380 ****													**** Serum 1381 ****												
Ctr	% POS	B13	B27	B2705	B48	B60	B61	B7	B8101	Other	% POS	A25	A26	A43	A6601	B57													Other	% POS	B8		Other	Method	
786		+	+	+	+	+	+	+	+			+	+	+	+	+															+				C1q

Table 9. Individual laboratory results for Serum #1377 - 1381 by PRA - class I

**** Serum 1377 ****																	**** Serum 1378 ****																									
Ctr	% POS	B18	B35	B37	B38	B39	B42	B49	B54	B55	B56	B57	B59	B64	B65	B67	B71	B8				Other	% POS	A2	A23	A24	A25	A32	A68	A69	B13	B27	B37	B44	B53	B57	B58	B63	Other			
2400	48																							82																		
3753	86	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						78	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A29,B8,Bw4
8058	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B82,B75,B45,B77>	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B77,B38,B59,B49>

**** Serum 1379 ****																	**** Serum 1380 ****																										
Ctr	% POS	B13	B18	B27	B35	B39	B41	B42	B47	B48	B49	B50	B55	B56	B60	B61	B67	B7	B73	B75	B81	Other	% POS	A1	A11	A25	A26	A29	A30	A34	A66	B39	B57	B58	B63				Other				
2400	54																							75																			
3753	86	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw6	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
8058	45	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,B45,B54,B64>	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw18,B54,B55,B56>

**** Serum 1381 ****																			
Ctr	% POS	A1	A11	A23	A24	A29	A3	A30	A36	A80	B8						Other	Method	
2400	80																		LMX-PRA
3753	80	+	+	+	+	+	+	+	+	+	+								LMX-PRA
8058	33	+	+	+	+	+	+	+	+	+	+							B54,A25,A26,A34>	LMX-PRA

Table 10. Individual laboratory results for Serum #1377 by Single Antigen - class I

		**** Serum 1377 ****																																							
Ctr	% POS	B18	B35	B37	B38	B41	B42	B54	B55	B59	B67	B8	B64	B71	B39	B3901	B53	B65	B56	B75	B51	B49	B27	B2705	B2708	B57	B50	B77	B44	B72	B78	B82	B62	B45	B52	B58	B63	Other	Method		
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+																					LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+				+	+	+	+	+											B7801,B8201	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+																				LMX-SAB
3224	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+						+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+						+		+											B*51:02	LMX-SAB
3766	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,B8201	LMX-SAB	
3808	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
3966	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
5219	9	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,B8201,B14,B15 B8C,B22,B14,B16 >	LMX-SAB	
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B*51:02	LMX-SAB	
6649		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B47	LMX-SAB	
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24	LMX-SAB	
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B8C	LMX-SAB	
8103	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,B8201,A29,A33 >	LMX-SAB	
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A29,Bw4,Bw6,B13 >	LMX-SAB	
8135	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	
8137		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A1102,A6601,A6602,Cw15 >	LMX-SAB	
8138	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB	

Table 11. Individual laboratory results for Serum #1378 by Single Antigen - class I

		**** Serum 1378 ****																																	
Ctr	% POS	A2	A23	A24	A2403	A25	A32	A68	A69	B13	B37	B38	B44	B47	B49	B51	B52	B53	B57	B58	B59	B63	B77	B27	B2705	Bw4	A203	B62	Other	Method					
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB				
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB			
2400		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB			
3224	30	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB			
3753		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB			
3766	88	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB		
3808	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB	
3966	32	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB		
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						B15	LMX-SAB	
5219	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2C,B12C,B5C,A19 >	LMX-SAB	
5462		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						B*27:05	LMX-SAB	
6649		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB	
8082		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						B76,Cw7,Cw17	LMX-SAB	
8090		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+		LMX-SAB	
8100		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	A2C	LMX-SAB	
8103	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A6601,B75,A26,A34 >	LMX-SAB	
8112		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB	
8125		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB	
8128		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+			Cw8	LMX-SAB	
8133		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						A43,A80,Cw2,Cw7 >	LMX-SAB	
8135	30	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB	
8137		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						B2708,A1102,A6601,A6602 >	LMX-SAB
8138	25	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB

Table 12. Individual laboratory results for Serum #1379 by Single Antigen - class I

**** Serum 1379 ****																																																
Ctr	% POS	B13	B38	B41	B42	B47	B48	B55	B67	B7	B73	B8	B39	B3901	B60	B61	B62	B76	B81	B8101	Cw2	B27	B2708	B2705	B75	B50	B56	B72	B71	A66	A6602	B49	B54	B59	B35	B77	Cw17	B37	B18	B45	B64	B52						
725		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+		+					+		+	+	+	+	+	+											
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
2400		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
3224	40	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
3753		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
3766	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
3808	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
3966	42	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+	+	+		+	+			+	+	+	+	+	+		+	+	+	+	+		+				
5219	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+					+	+																
5462		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
6649		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
8082		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
8090		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
8103	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
8112		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
8125		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
8128		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
8133		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
8135	28	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
8137		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
8138	28	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Table 12. Individual laboratory results for Serum #1379 by Single Antigen - class I, cont.

**** Serum 1379 ****						
Ctr	B78	B82	B65	B63	Other	Method
725					B703	LMX-SAB
786			+	+	B7801,B8201,Cw18,B46	LMX-SAB
2400						LMX-SAB
3224	+	+	+	+	B46,Bw6	LMX-SAB
3753					Bw6,A*66:02	LMX-SAB
3766						LMX-SAB
3808					B703	LMX-SAB
3966	+	+				LMX-SAB
4322	+	+			B7801,B8201,Cw18,B14 >	LMX-SAB
5219					B8C,B7C,B703,B22 >	LMX-SAB
5462					A*66:02	LMX-SAB
6649	+	+	+			LMX-SAB
8082	+	+	+		B46	LMX-SAB
8090				+	B4005,B40	LMX-SAB
8100	+	+	+	+	B4005,B3902,B8C,B7C >	LMX-SAB
8103					B40,B15	LMX-SAB
8112						LMX-SAB
8125					B4005	LMX-SAB
8128				+	B4005	LMX-SAB
8133	+	+	+		Bw4,Bw6	LMX-SAB
8135						LMX-SAB
8137	+	+	+	+	A1102,A6601,Cw15,Cw18 >	LMX-SAB
8138					B4005	LMX-SAB

Table 14. Individual laboratory results for Serum #1381 by Single Antigen - class I

**** Serum 1381 ****																																		
Ctr	% POS	A1	A24	A2403	A3	A36	A80	B8	A11	A1101	A1102	A23	A26	A29	A30	A32	B59	A34	B54	A31	A33	A43	A74	A66	A68	A25	A69	B65	B18	B75	Other	Method		
725		+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+									LMX-SAB	
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				A6601,A6602,B76	LMX-SAB		
2400		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+									LMX-SAB	
3224	34	+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			B64	LMX-SAB		
3753		+	+		+	+	+	+	+			+	+	+	+	+	+		+												A*34:02	LMX-SAB		
3766	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A6601,A6602	LMX-SAB		
3808	8	+	+		+	+	+	+	+	+	+																						LMX-SAB	
3966	35	+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB	
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									B14	LMX-SAB	
5219	13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+													A1C,A19,A9,A10	LMX-SAB		
5462		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+									LMX-SAB	
6649		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+						LMX-SAB	
8082		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+			LMX-SAB	
8090		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB	
8100		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A1C,A10C,B55,B27	LMX-SAB	
8103	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A6601,A6602,B14,B64 >	LMX-SAB	
8112		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
8125		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
8128		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
8133		+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw4,Bw6	LMX-SAB		
8135	28	+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB	
8137		+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B2708,A6601,A6602,Cw15 >	LMX-SAB	
8138	23	+	+		+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB

Table 15. Individual laboratory results for Serum #1377 - 1381 by PRA - class II

**** Serum 1377 ****								**** Serum 1378 ****												
Ctr	% POS	DQ7	DR12	DR52	DR7	DR9	Other	% POS	DQ7	DQ8	DQ9	DR12	DR7	DR9						Other
2400	0							86												
8058	11	+	+	+	+	+		35	+	+	+	+	+	+						DR52
3753	0							87	+	+	+	+	+	+						DQ2,DQ4,DQ6

**** Serum 1379 ****							**** Serum 1380 ****										**** Serum 1381 ****											
Ctr	% POS	DR11	DR7	DR9		Other	% POS	DQ7	DQ8	DQ9	DR10	DR11	DR12	DR13	DR14	DR17	DR18	DR7	Other	% POS	DR11	DR13	DR14	DR17	DR18	DR8	Other	Method
2400	91						97													80								LMX-PRA
8058	37	+	+	+		DR53,DP19,DP20,DP9>	53	+	+	+	+	+	+	+	+	+	+	+	DR9,DQ2,DR52,DP20>	36	+	+	+	+	+	+	DR12,DR52,DP19,DP20>	LMX-PRA
3753	53	+	+	+			90	+	+	+	+	+	+	+	+	+	+	+		57	+	+	+	+	+	+		LMX-PRA

Table 16. Individual laboratory results for Serum #1377 by Single Antigen - class II

**** Serum 1377 ****							
Ctr	% POS	DQ7	DQA1*05	DR52	DR7	Other	Method
725							LMX-SAB
2400							LMX-SAB
3224	0						LMX-SAB
3753	0						LMX-SAB
3766	0						LMX-SAB
3808	0						LMX-SAB
3966	12	+	+	+	+	DR9,DR12	LMX-SAB
4322			+			DQ3,DQA1*06	LMX-SAB
5219	0						LMX-SAB
5462	0						LMX-SAB
6649							LMX-SAB
8082	0						LMX-SAB
8090	0						LMX-SAB
8100	0						LMX-SAB
8103	2		+			DQ3	LMX-SAB
8112	0						LMX-SAB
8125							LMX-SAB
8128	0						LMX-SAB
8133		+		+	+		LMX-SAB
8135	0						LMX-SAB
8137		+		+	+	DR1,DR4,DR8,DR9 >	LMX-SAB
8138	0						LMX-SAB

Table 17. Individual laboratory results for Serum #1378 by Single Antigen - class II

**** Serum 1378 ****																			
Ctr	% POS	DQ6	DR12	DR7	DR9	DQ7	DQ8	DQ9	DQ2	DQ4	DR52	DQA1*02	DQA1*04	DQA1*05	DQA1*03	DQA1*06	DQA1*01	Other	Method
725		+	+	+	+	+	+	+			+	+							LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+								LMX-SAB
3224	33	+	+	+	+	+	+	+	+	+		+	+	+	+	+		DRB3*01:01,DRB3*03:01	LMX-SAB
3753		+	+	+	+	+	+	+	+	+								DRB3*01,DRB3*03	LMX-SAB
3766	92	+	+	+	+	+	+	+	+	+	+		+	+		+			LMX-SAB
3808	22	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
3966	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX-SAB
4322		+	+	+	+				+	+	+	+	+	+	+	+	+	DQ3,DR53	LMX-SAB
5219	22	+	+	+	+	+	+	+			+	+	+					DR5,DQ1,DQ3	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+							DRB3*03:01,DRB3*01:01	LMX-SAB
6649		+	+	+	+	+	+	+	+	+	+								LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB
8103	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQ3,DR53	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+								LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+								LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+								LMX-SAB
8133		+	+	+	+	+	+	+	+	+	+								LMX-SAB
8135	31	+	+	+	+	+	+	+	+	+	+								LMX-SAB
8137		+	+	+	+	+	+	+	+	+	+							DR1,DR4,DR8,DR10 >	LMX-SAB
8138	27	+	+	+	+	+	+	+	+	+									LMX-SAB

Table 18. Individual laboratory results for Serum #1379 by Single Antigen - class II

		**** Serum 1379 ****																																			
Ctr	% POS	DP18	DP28	DPw3	DPw6	DP11	DP13	DPw1	DPw5	DR11	DR53	DR7	DP14	DP17	DP19	DP9	DR9	DP20	DPw2	DP10	DPw4	DPA1*02	DPA1*03	DP402	DPA1*01	DPA1*04	DP105	DP107	DP26	DP30	DP31	DP85	Other	Method			
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+												LMX-SAB
3224	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+									LMX-SAB	
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																LMX-SAB
3766	74	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+											LMX-SAB
3808	16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																LMX-SAB
3966	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+									DP15	LMX-SAB
5219	27	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+														DP15 DR5	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															LMX-SAB
6649		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+								DP15	LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+	+	+	LMX-SAB	
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+	+	+	LMX-SAB	
8103	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+								DPA1*05	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+	+	+	LMX-SAB	
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+	+	+	LMX-SAB	
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+														DP15	LMX-SAB
8135	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+															LMX-SAB
8137		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+														DR1,DR4,DR8,DR10 >	LMX-SAB
8138	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+	+	+	LMX-SAB	

Table 20. Individual laboratory results for Serum #1381 by Single Antigen - class II

		**** Serum 1381 ****																									
Ctr	% POS	DP18	DP28	DPw3	DPw6	DR11	DR13	DR14	DP14	DR17	DP17	DPw2	DR18	DP10	DP20	DP9	DR8	DP19	DPw4	DR12	DR52	DP402	DP105	DPA1*01	Other	Method	
725		+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+							LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+				LMX-SAB
3224	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+			LMX-SAB
3766	71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+				LMX-SAB
3808	22	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				+			DR1403	LMX-SAB
3966	29	+	+	+	+	+	+	+	+	+			+	+	+					+						+ DPA1*02	LMX-SAB
4322		+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+	+	+			+	+ DR3,DPw5,DPA1*02,DPA1*03 >	LMX-SAB
5219	24	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+		+		+	+ DR3,DR5,DR6,DR1403 >	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							DPB1*04:02	LMX-SAB
6649		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+				+	+ DR9,DPA1*02,DPA1*04	LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+ DPA1*02,DPA1*04	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB
8103	38	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+			+	+ DR3,DPA1*04	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+		LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+			LMX-SAB
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				DPw5	LMX-SAB
8135	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+							LMX-SAB
8137		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				DR1,DR4,DR7,DR9 >	LMX-SAB
8138	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		DPw5	LMX-SAB