SERUM EXCHANGE #588
FEBRUARY 2, 2023

Sera 1347 - 1351

The results for **Serum Exchange 588** (**sera 1347 - 1351**), are summarized in Tables 1 – 6 and individual laboratory results by method are listed in Tables 7 - 18.

1347	method	#labs	A23	A24	A2403	A25	A32	B51	B52	B53	B27	B2705	B44	B45	B49	B13	B57	B58	B59	B63	B37	B47	B38	B76	B77
class I	AHG	1	no consensus																						
	C1q	1	no consensus																						
	PRA	5	60%	60%		60%	60%	60%	60%	60%	60%		40%	20%	40%	40%	40%	40%	40%	40%	40%	40%	20%	20%	40%
	SAB	22	100%	100%	36%	100%	100%	100%	100%	100%	86%	55%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

1347	method	#labs	B82	B8201	A1	A26	A29	A3	A30	A31	A33	A34	A36	A80	A68	A11	A1101	A1102	A43	A74	A66	A6601	A6602	A69	Bw4
	PRA	5	40%		40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%			20%	20%	20%			40%	20%
	SAB	22	95%	18%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	95%	91%	27%	27%	100%	100%	91%	27%	27%	86%	45%

1347	method	#labs	Cw16	B56	B72	B35	B55	B62	B15	A10	A10C	A28	A2C	B12C	B54	B5C	B71	B75
	PRA	5	20%		20%													
	SAB	22	41%	32%	27%	23%	23%	18%	14%	9%	5%	5%	5%	5%	5%	5%	5%	5%

1347	method	#labs	DR7	DR9	DR53	DR11	DR12	DR13	DQA1*02	DR8	DQ8	DQ9	DQ4	DPw4	DQA1*03	DQ6	DP23	DQ2	DR14	DR1403	DR51	
class II	PRA	4	100%	100%	50%	100%	75%	50%	25%			25%	25%	25%	25%		25%					
	SAB	21	90%	100%	100%	95%	95%	90%	81%	43%	43%	38%	33%	33%	33%	24%	19%	19%	19%	19%	19%	

1347	method	#labs	DQA1*06	DP401	DPw1	DQ1	DR2	DR4	DR5	DR6	DR15	DR16	DQ3	DQ7	DQ5	DR1	DR103	DP31	DPA1*02	DPA1*03	DQA1*04	DQA1*05
	PRA	4										50%										
	SAB	21	19%	10%	10%	10%	10%	10%	10%	10%	5%		5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Serum 1347. For this sample, reactivity to A24 (19610), A25 (20290), A32 (20245), B51 (19544), B53 (18821), B27 (21259), B44 (20821), B49 (21032), B13 (18811), B57 (20577), B63 (18687), and A30 (16144) anti-sera was reported by all methods. In addition, reactivity to a number 1C, 5C, and 10C specificities, including anti-A23 (20569), -B52 (16419), -B58 (17915), -B59 (18799), -A29 (19921), and -A33 (13290) reactivity, was also detected by C1q, PRA, and SAB. Allele specific A*24:03, B*27:05, B*82:01, A*11:01, A*11:02, A*66:01, and A*66:02 reactivity was reported by some labs.

Good agreement was achieved in the reporting of class II reactivity, with ≥ 90% of SAB labs reporting anti-DR7 (16762), -DR9 (4620), -DR53 (4943), -DR11 (3657), -DR12 (4135), and –DR13 (4458) reactivity. Anti-DQA1*02 (3056) reactivity was also reported by Luminex PRA and SAB labs.

*(median MFI by SAB)

1348	method	#labs	B7	Cw7	B54	B55	B56	B60	B67	B8	B18	B35	B41	B42	B48	B61	B62	B64	B65	B71	B72	B75	B76	B78	B7801	B81	B8101
class I	AHG	1	NT																								
	C1q	1	NT																								
	PRA	5	80%	20%	80%	80%	80%	60%	60%	60%	60%	40%	40%	60%	60%	60%	40%	20%	20%	40%	40%	20%	20%	20%		60%	20%
	SAB	22	91%	91%	86%	82%	82%	86%	86%	86%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	59%	82%	82%	9%	82%	27%

1348	method	#labs	B39	B3901	B3902	B45	B50	B82	B8201	B27	B2708	B2705	B13	B47	Bw6	Cw16	A80	B40	B703	A2	B4005	Cw2	A69	B14	B15	Cw18	Cw4
	PRA	5	40%			20%	20%	20%		40%																	
	SAB	22	77%	18%	5%	77%	77%	77%	23%	68%	32%	14%	23%	18%	18%	18%	14%	14%	14%	9%	9%	9%	5%	5%	5%	5%	5%

1348	method	#labs	DR9	DR1	DR103	DR51	DR15	DR10	DR11	DR4	DP18	DP28	DPw4	DP402	DP20	DP10	DR14	DPw6	DPw2	DPw3	DP9	DP14
class II	PRA	4	100%	100%	100%	100%	100%	75%	50%	75%	25%	25%	50%		25%	25%	50%					
	SAB	21	100%	95%	95%	95%	71%	95%	90%	86%	81%	81%	71%	33%	67%	62%	62%	86%	81%	81%	81%	81%

1348	method	#labs	DP17	DQ5	DR16	DR52	DR5	DPA1*01	DPA1*04	DPA1*02	DQA1*05	DR12	DR13	DR53	DR7	DPw1	DP105	DPA1*03	DQ4	DQA1*01	DR18	DR8
class II	PRA	4		25%	25%	25%	25%	25%	25%													
	SAB	21	81%	52%	24%	19%	5%	14%	14%	10%	10%	10%	10%	10%	10%	5%	5%	5%	5%	5%	5%	5%

Serum 1348. Class I reactivity was detected in this sample, with Luminex PRA and SAB labs reporting anti-B7 (9589) and -Cw7 (5149) reactivity by ≥ 90% agreement. In addition, PRA and SAB labs reported reactivity to a number of 5C, 7C, and 8C specificities, all of moderate strength (< 7200 MFI).

Strong reactivity to DR9 (12569), DR1 (14450), DR103 (12042), and DR51 (16011) anti-sera was reported for this sample by PRA and SAB. Each was reported by ≥ 90% of SAB labs, along with anti-DR10 (6485) and -DR11 (2422) reactivity. Additional reactivity to a number of DP specificities, including reactivity to DP18 (3459), DP28 (3494), DP4 (3802), and DP20 (2847) was reported by SAB and PRA.

*(median MFI by SAB)

1349	method	#labs	A2	B57	B58	B62	B63	B75	B76	B77	B13	B71	B72	A32	A69	B27	B2708	B2705	B51	B52	B37	B38	B46	B64
class I	AHG	1	no consensus																					
	C1q	1	no consensus																					
	PRA	5	80%	80%	80%	80%	80%	80%	60%	80%	40%	60%	80%	60%	40%	40%			40%	40%	40%	20%	20%	20%
	SAB	22	100%	100%	91%	100%	100%	100%	100%	100%	100%	91%	91%	91%	91%	91%	27%	23%	91%	91%	91%	91%	91%	91%

1349	method	#labs	Cw10	Cw9	Cw8	A24	A2403	B18	B44	B49	B67	B39	B3901	B65	B78	B7801	A23	B47	A25	B59	B61	B50	B53	B56
	PRA	5	40%	40%	40%	40%		20%	40%	40%	20%	20%			20%		40%	40%	40%	40%	20%	20%	20%	20%
	SAB	22	91%	91%	68%	86%	23%	86%	86%	86%	86%	82%	18%	82%	82%	14%	77%	77%	64%	64%	64%	59%	55%	50%

1349	method	#labs	Cw12	A74	A203	Bw4	B15	B17	Cw1	Cw16	A34	B4005	Cw3	Cw4	A29	A80	B14	B40	B48	Cw14	Cw15
	PRA	5	20%																		
	SAB	22	41%	36%	32%	23%	14%	14%	14%	14%	9%	9%	9%	9%	5%	5%	5%	5%	5%	5%	5%

1349	method	#labs	DR52	DR11	DR12	DR13	DR14	DR1403	DR1404	DR7	DR8	DR9	DQ7	DQ8	DQ9	DP28	DR4	DR18
class II	PRA	4	100%	75%	75%	75%	75%			100%	100%	75%	75%	75%	75%	25%	50%	75%
	SAB	21	100%	100%	95%	95%	100%	29%	29%	95%	95%	100%	95%	95%	95%	95%	100%	95%

1349	method	#labs	DR17	DPw2	DP402	DP18	DPw4	DP10	DQ2	DR53	DQA1*03	DQA1*05	DPA1*04	DQA1*06	DQA1*02	DPA1*01	DQ3	DQ4
class II	PRA	4	75%	25%		25%	25%	25%	50%	50%	25%	25%	25%	25%	25%	25%	25%	25%
	SAB	21	90%	90%	43%	90%	81%	71%	71%	48%	62%	33%	18%	23%	18%	18%	14%	14%

1349	method	#labs	DR3	DR5	DR6	DPw1	DP105	DP20	DPA1*02	DPw3	DR10	DPw6	DQ5	DR1	DR103	DR15	DR51
class II	PRA	4				25%											
	SAB	21	14%	9%	9%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Serum 1349. Strong anti-A2 (18863), -B57 (18450), and -B62 (18417) reactivity was detected in this sample by all methods. In addition, C1q, PRA, and SAB labs also reported strong reactivity to B13 (13330), B63 (14509), B75 (13640), and B76 (17443). Additional reactivity other 5C specificities, as well as reactivity to A32, A69, B27, B37, B38, B46, B64, Cw9, and Cw10 was reported by PRA and ≥ 90% of SAB labs.

Strong class II reactivity was also reported for this sample, with PRA and SAB labs reporting reactivity to a number of DR specificities, including anti-DR52 (13137), -DR11 (17895), -DR13 (12941), -DR14 (10832), -DR7 (13822), -DR8 (12884), and -DR9 (14026) reactivity. Additional reactivity to DQ and DP specificities was also reported.

*(median MFI by SAB)

1350	method	#labs	A25	A26	A34	A66	A6601	A6602	A29	A30	A31	A32	A33	A3	A1	A36	A68	A69	A74	A43	A80	B44	B45	B76	A11	A1101	A1102
class I	AHG	1	no consensus																								
	C1q	1	no consensus																								
	PRA	5	80%	80%	80%	80%			80%	80%	80%	80%	80%	60%	40%	40%	80%	80%	60%	20%	40%	40%	40%	20%	60%		
	SAB	22	100%	100%	100%	95%	27%	27%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	95%	23%	23%

1350	method	#labs	B82	B54	B8	B63	Cw15	B59	B8201	B15	B41	B42	A10	A19	A28	B12	A10C	A1C	B13	B27	B2705	B37	B38	B47	Cw7
	PRA	5	40%	20%	20%								20%	20%	20%										
	SAB	22	95%	68%	64%	50%	41%	36%	18%	14%	14%	14%	9%	9%	9%	9%	5%	5%	5%	5%	5%	5%	5%	5%	5%

1350	method	#labs	DQ2	DR53	DR10	DR7	DR9	DP14	DP17	DP9	DPw3	DPw6	DQA1*02	DQA1*05	DP20	DQ6	DQ4	DQ8	DQ9	DQ7	DR14	DR51	DQ3	DQ1	DR103	DR6
class II	PRA	4	100%	100%	75%	75%	75%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%						
	SAB	21	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	90%	29%	71%	57%	14%	10%	10%	5%	38%	19%	5%	5%	5%	5%

Serum 1350. For this sample, strong anti-A29 (21499) reactivity was reported by all methods. In addition, strong anti-A43 (16369) reactivity was reported by C1q, PRA, and SAB labs. Reactivity to a number of 1C and 10C specificities, along with anti-B44 (8882), -B45 (9959), -B76 (9512), and -B82 (6512) reactivity, was also reported by PRA and Luminex.

For class II, PRA and SAB labs reported strong anti-DQ2 (16131), -DR53 (22330), -DR10 (8387), -DR7 (22512), and -DR9 (19145) reactivity. Additional anti-DP14 (3000), -DP17 (3238), -DP3 (3293), -DP6 (3283), and -DQA1*02 (7821) reactivity was also reported by PRA and ≥ 90% of SAB labs.

*(median MFI by SAB)

1351	method	#labs	NEG	A1
class I	AHG	1	NT	
	C1q	1	NT	
	PRA	5	100%	
	SAB	22	94%	5%

1351	method	#labs	DR4	DR9	DR1	DR103	DR15	DR16	DR51	DR53	DR14	DQ6	DQA1*05	DR2	DQ3	DQ7	DQ8	DQ9
class II	PRA	4	100%	100%	100%	100%	100%	100%	75%	25%	25%	25%						
	SAB	21	100%	100%	95%	90%	95%	95%	95%	52%	57%	38%	14%	9%	5%	5%	5%	5%

1351	method	#labs	DR11	DR12	DR13	DR17	DR3	DR52	DR7	DR8	DPw2	DPw4	DP10	DP18	DPA1*01	DPA1*04	DQA1*03	DQA1*06
class II	PRA	4																
	SAB	21	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Serum 1351. For this sample, 100% of PRA labs and 94% of SAB labs, reported this sample negative for class I.

For class II, PRA and SAB reported anti-DR4 (4271), -DR9 (9392), -DR1 (9895), -DR103 (7748), -DR15 (16516), -DR16 (8297), and -DR51 (15866) reactivity. Each were reported by ≥ of SAB labs.

*(median MFI by SAB)

NEXT MAILING DATE: May 10, 2023

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Table 1. Summary of the 588th Serum Exchange (Serum #1347-1351) by Antiglobulin - class I

Method: Antiglobulin															
*** Serum 1347 ***			*** Serum 1348 ***			*** Serum 1349 ***			*** Serum 1350 ***			*** Serum 1351 ***			
1 typing Labs			1 typing Labs			1 typing Labs			1 typing Labs			1 typing Labs			
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	
No consensus			NT			No consensus			No consensus			NT			

Table 2. Summary of the 588th Serum Exchange (Serum #1347-1351) by C1q - class I

Method: C1q															
*** Serum 1347 ***			*** Serum 1348 ***			*** Serum 1349 ***			*** Serum 1350 ***			*** Serum 1351 ***			
1 typing Labs			1 typing Labs			1 typing Labs			1 typing Labs			1 typing Labs			
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	
No consensus			NT			No consensus			No consensus			NT			

Table 3. Summary of the 588th Serum Exchange (Serum #1347-1351) by PRA - class I

Method: Luminex - PRA

*** Serum 1347 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
A23	60%	100%
A24	60%	100%
A25	60%	100%
A32	60%	100%
B27	60%	100%
B51	60%	100%
B52	60%	100%
B53	60%	100%
A1	40%	100%
A11	40%	100%
A26	40%	100%
A29	40%	100%
A3	40%	100%
A30	40%	100%
A31	40%	100%
A33	40%	100%
A34	40%	100%
A36	40%	100%
A68	40%	100%
A69	40%	100%
A80	40%	100%
B13	40%	100%
B37	40%	100%
B44	40%	100%
B47	40%	100%
B49	40%	100%
B57	40%	100%
B58	40%	100%
B59	40%	100%
B63	40%	100%
B77	40%	100%
B82	40%	100%
A43	20%	100%
A66	20%	100%
A74	20%	100%
B38	20%	100%

*** Serum 1348 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
B54	80%	100%
B55	80%	100%
B56	80%	100%
B7	80%	100%
B18	60%	100%
B42	60%	100%
B48	60%	100%
B60	60%	100%
B61	60%	100%
B67	60%	100%
B8	60%	100%
B81	60%	100%
B27	40%	100%
B35	40%	100%
B39	40%	100%
B41	40%	100%
B62	40%	100%
B71	40%	100%
B72	40%	100%
B45	20%	100%
B50	20%	100%
B64	20%	100%
B65	20%	100%
B75	20%	100%
B76	20%	100%
B78	20%	100%
B8101	20%	100%
B82	20%	100%
Cw7	20%	100%

*** Serum 1349 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
A2	80%	100%
B57	80%	100%
B58	80%	100%
B62	80%	100%
B63	80%	100%
B72	80%	100%
B75	80%	100%
B77	80%	100%
A32	60%	100%
B71	60%	100%
B76	60%	100%
A23	40%	100%
A24	40%	100%
A25	40%	100%
A69	40%	100%
B13	40%	100%
B27	40%	100%
B37	40%	100%
B44	40%	100%
B47	40%	100%
B49	40%	100%
B51	40%	100%
B52	40%	100%
B59	40%	100%
Cw10	40%	100%
Cw8	40%	100%
Cw9	40%	100%
B18	20%	100%
B38	20%	100%
B39	20%	100%
B46	20%	100%
B50	20%	100%
B53	20%	100%
B56	20%	100%
B61	20%	100%
B64	20%	100%

*** Serum 1350 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
A25	80%	100%
A26	80%	100%
A29	80%	100%
A30	80%	100%
A31	80%	100%
A32	80%	100%
A33	80%	100%
A34	80%	100%
A66	80%	100%
A68	80%	100%
A69	80%	100%
A11	60%	100%
A3	60%	100%
A74	60%	100%
A1	40%	100%
A36	40%	100%
A80	40%	100%
B44	40%	100%
B45	40%	100%
B82	40%	100%
A10	20%	100%
A19	20%	100%
A28	20%	100%
A43	20%	100%
B54	20%	100%
B76	20%	100%
B8	20%	100%

*** Serum 1351 ***		
5 typing Labs		
Antigen	Consensus	Inclusion
NEG	100%	100%

Table 4. Summary of the 588th Serum Exchange (Serum #1347-1351) by Single Antigen - class I

Method: Luminex - SAB

*** Serum 1347 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A23	100%	100%
A24	100%	100%
A25	100%	100%
A26	100%	100%
A29	100%	100%
A3	100%	100%
A30	100%	100%
A31	100%	100%
A32	100%	100%
A33	100%	100%
A34	100%	100%
A36	100%	100%
A43	100%	100%
A74	100%	100%
A80	100%	100%
B13	100%	100%
B37	100%	100%
B38	100%	100%
B44	100%	100%
B45	100%	100%
B47	100%	100%
B49	100%	100%
B51	100%	100%
B52	100%	100%
B53	100%	100%
B57	100%	100%
B58	100%	100%
B59	100%	100%
B63	100%	100%
B76	100%	100%
B77	100%	100%
A68	95%	100%
B82	95%	100%
A11	91%	100%

*** Serum 1348 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
B7	91%	100%
Cw7	91%	100%
B54	86%	100%
B60	86%	100%
B67	86%	100%
B8	86%	100%
B18	82%	100%
B35	82%	100%
B41	82%	100%
B42	82%	100%
B48	82%	100%
B55	82%	100%
B56	82%	100%
B61	82%	100%
B62	82%	100%
B64	82%	100%
B65	82%	100%
B71	82%	100%
B72	82%	100%
B76	82%	100%
B78	82%	100%
B81	82%	100%
B39	77%	100%
B45	77%	100%
B50	77%	100%
B82	77%	100%
B27	68%	100%
B75	59%	100%
B2708	32%	100%
B8101	27%	100%
B13	23%	100%
B8201	23%	100%
B3901	18%	100%
B47	18%	100%
Bw6	18%	100%

*** Serum 1349 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A2	100%	100%
B13	100%	100%
B57	100%	100%
B62	100%	100%
B63	100%	100%
B75	100%	100%
B76	100%	100%
B77	100%	100%
A32	91%	100%
A69	91%	100%
B27	91%	100%
B37	91%	100%
B38	91%	100%
B46	91%	100%
B51	91%	100%
B52	91%	100%
B58	91%	100%
B64	91%	100%
B71	91%	100%
B72	91%	100%
Cw10	91%	100%
Cw9	91%	100%
A24	86%	100%
B18	86%	100%
B44	86%	100%
B49	86%	100%
B67	86%	100%
B39	82%	100%
B65	82%	100%
B78	82%	100%
A23	77%	100%
B47	77%	100%
Cw8	68%	100%
A25	64%	100%
B59	64%	100%

*** Serum 1350 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A1	100%	100%
A25	100%	100%
A26	100%	100%
A29	100%	100%
A3	100%	100%
A30	100%	100%
A31	100%	100%
A32	100%	100%
A33	100%	100%
A34	100%	100%
A36	100%	100%
A43	100%	100%
A68	100%	100%
A69	100%	100%
A74	100%	100%
A80	100%	100%
B44	100%	100%
B45	100%	100%
B76	100%	100%
A11	95%	100%
A66	95%	100%
B82	95%	100%
B54	68%	100%
B8	64%	100%
B63	50%	100%
Cw15	41%	100%
B59	36%	100%
A6601	27%	100%
A6602	27%	100%
A1101	23%	100%
A1102	23%	100%
B8201	18%	100%
B15	14%	100%
B41	14%	100%
B42	14%	100%

*** Serum 1351 ***		
16 typing Labs		
Antigen	Consensus	Inclusion
NEG	94%	100%
A1	5%	100%

Table 4. Summary of the 588th Serum Exchange (Serum #1347-1351) by Single Antigen - class I

Method: Luminex - SAB, cont.

*** Serum 1347 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A66	91%	100%
A69	86%	100%
B27	86%	100%
B2705	55%	100%
Bw4	45%	100%
Cw16	41%	100%
A2403	36%	100%
B56	32%	100%
A1101	27%	100%
A1102	27%	100%
A6601	27%	100%
A6602	27%	100%
B72	27%	100%
B35	23%	100%
B55	23%	100%
B62	18%	100%
B8201	18%	100%
B15	14%	100%
A10	9%	100%
A19	9%	100%
A1C	9%	100%
A9	9%	100%
B12	9%	100%
B16	9%	100%
B17	9%	100%
B21	9%	100%
B5	9%	100%
Cw14	9%	100%
A10C	5%	100%
A28	5%	100%
A2C	5%	100%
B12C	5%	100%
B54	5%	100%
B5C	5%	100%
B71	5%	100%

*** Serum 1348 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
Cw16	18%	100%
A80	14%	100%
B2705	14%	100%
B40	14%	100%
B703	14%	100%
A2	9%	100%
B4005	9%	100%
B7801	9%	100%
Cw2	9%	100%
A69	5%	100%
B14	5%	100%
B15	5%	100%
B3902	5%	100%
Cw18	5%	100%
Cw4	5%	100%

*** Serum 1349 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
B61	64%	100%
B50	59%	100%
B53	55%	100%
B56	50%	100%
Cw12	41%	100%
A74	36%	100%
A203	32%	100%
B2708	27%	100%
A2403	23%	100%
B2705	23%	100%
Bw4	23%	100%
B3901	18%	100%
B15	14%	100%
B17	14%	100%
B7801	14%	100%
Cw1	14%	100%
Cw16	14%	100%
A34	9%	100%
B4005	9%	100%
Cw3	9%	100%
Cw4	9%	100%
A29	5%	100%
A80	5%	100%
B14	5%	100%
B40	5%	100%
B48	5%	100%
Cw14	5%	100%
Cw15	5%	100%

*** Serum 1350 ***		
22 typing Labs		
Antigen	Consensus	Inclusion
A10	9%	100%
A19	9%	100%
A28	9%	100%
B12	9%	100%
A10C	5%	100%
A1C	5%	100%
B13	5%	100%
B27	5%	100%
B2705	5%	100%
B37	5%	100%
B38	5%	100%
B47	5%	100%
Cw7	5%	100%

Table 5. Summary of the 588th Serum Exchange (Serum #1347-1351) by PRA - class II

Method: Luminex - PRA

*** Serum 1347 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
DR11	100%	100%
DR7	100%	100%
DR9	100%	100%
DR12	75%	100%
DR13	50%	100%
DR16	50%	100%
DR53	50%	100%
DP23	25%	100%
DPw4	25%	100%
DQ4	25%	100%
DQ9	25%	100%
DQA1*02	25%	100%
DQA1*03	25%	100%

*** Serum 1348 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
DR1	100%	100%
DR103	100%	100%
DR15	100%	100%
DR51	100%	100%
DR9	100%	100%
DR10	75%	100%
DR4	75%	100%
DPw4	50%	100%
DR11	50%	100%
DR14	50%	100%
DP10	25%	100%
DP18	25%	100%
DP20	25%	100%
DP28	25%	100%
DPA1*01	25%	100%
DPA1*04	25%	100%
DQ5	25%	100%
DR16	25%	100%
DR2	25%	100%
DR5	25%	100%
DR52	25%	100%

*** Serum 1349 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
DR52	100%	100%
DR7	100%	100%
DR8	100%	100%
DQ7	75%	100%
DQ8	75%	100%
DQ9	75%	100%
DR11	75%	100%
DR12	75%	100%
DR13	75%	100%
DR14	75%	100%
DR17	75%	100%
DR18	75%	100%
DR9	75%	100%
DQ2	50%	100%
DR4	50%	100%
DR53	50%	100%
DP10	25%	100%
DP18	25%	100%
DP28	25%	100%
DPA1*01	25%	100%
DPA1*04	25%	100%
DPw1	25%	100%
DPw2	25%	100%
DPw4	25%	100%
DQ3	25%	100%
DQ4	25%	100%
DQA1*02	25%	100%
DQA1*03	25%	100%
DQA1*05	25%	100%
DQA1*06	25%	100%

*** Serum 1350 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
DQ2	100%	100%
DR53	100%	100%
DR10	75%	100%
DR7	75%	100%
DR9	75%	100%
DP14	25%	100%
DP17	25%	100%
DP20	25%	100%
DP9	25%	100%
DPw3	25%	100%
DPw6	25%	100%
DQ4	25%	100%
DQ6	25%	100%
DQ7	25%	100%
DQ8	25%	100%
DQ9	25%	100%
DQA1*02	25%	100%
DQA1*05	25%	100%

*** Serum 1351 ***		
4 typing Labs		
Antigen	Consensus	Inclusion
DR1	100%	100%
DR103	100%	100%
DR15	100%	100%
DR16	100%	100%
DR4	100%	100%
DR9	100%	100%
DR51	75%	100%
DQ6	25%	100%
DR14	25%	100%
DR53	25%	100%

Table 6. Summary of the 588th Serum Exchange (Serum #1347-1351) by Single Antigen - class II

Method: Luminex-SAB

*** Serum 1347 ***		
21 typing Labs		
Antigen	Consensus	Inclusion
DR16	100%	100%
DR53	100%	100%
DR9	100%	100%
DR11	95%	100%
DR12	95%	100%
DR13	90%	100%
DR7	90%	100%
DQA1*02	81%	100%
DQ8	43%	100%
DR8	43%	100%
DQ9	38%	100%
DPw4	33%	100%
DQ4	33%	100%
DQA1*03	33%	100%
DQ6	24%	100%
DP23	19%	100%
DR1403	19%	100%
DR51	19%	100%
DQ2	19%	100%
DQA1*06	19%	100%
DR14	19%	100%
DP401	10%	100%
DPw1	10%	100%
DQ1	10%	100%
DR2	10%	100%
DR4	10%	100%
DR5	10%	100%
DR6	10%	100%
DP31	5%	100%
DPA1*02	5%	100%
DPA1*03	5%	100%
DQ3	5%	100%
DQ5	5%	100%
DQ7	5%	100%
DQA1*04	5%	100%
DQA1*05	5%	100%

*** Serum 1348 ***		
21 typing Labs		
Antigen	Consensus	Inclusion
DR9	100%	100%
DR1	95%	100%
DR10	95%	100%
DR103	95%	100%
DR51	95%	100%
DR11	90%	100%
DPw6	86%	100%
DR4	86%	100%
DP14	81%	100%
DP17	81%	100%
DP18	81%	100%
DP28	81%	100%
DP9	81%	100%
DPw2	81%	100%
DPw3	81%	100%
DPw4	71%	100%
DR15	71%	100%
DP20	67%	100%
DP10	62%	100%
DR14	62%	100%
DQ5	52%	100%
DP402	33%	100%
DR16	24%	100%
DR52	19%	100%
DPA1*01	14%	100%
DPA1*04	14%	100%
DPA1*02	10%	100%
DQA1*05	10%	100%
DR12	10%	100%
DR13	10%	100%
DR53	10%	100%
DR7	10%	100%
DP105	5%	100%
DPA1*03	5%	100%
DPw1	5%	100%
DQ4	5%	100%

*** Serum 1349 ***		
21 typing Labs		
Antigen	Consensus	Inclusion
DR11	100%	100%
DR14	100%	100%
DR4	100%	100%
DR52	100%	100%
DR9	100%	100%
DP28	95%	100%
DQ7	95%	100%
DQ8	95%	100%
DQ9	95%	100%
DR12	95%	100%
DR13	95%	100%
DR18	95%	100%
DR7	95%	100%
DR8	95%	100%
DP18	90%	100%
DPw2	90%	100%
DR17	90%	100%
DPw4	81%	100%
DP10	71%	100%
DQ2	71%	100%
DQA1*03	62%	100%
DR53	48%	100%
DP402	43%	100%
DQA1*05	33%	100%
DR1403	29%	100%
DR1404	29%	100%
DQA1*06	23%	100%
DPA1*01	18%	100%
DPA1*04	18%	100%
DQA1*02	18%	100%
DQ3	14%	100%
DQ4	14%	100%
DR3	14%	100%
DR5	9%	100%
DR6	9%	100%
DP105	5%	100%

*** Serum 1350 ***		
21 typing Labs		
Antigen	Consensus	Inclusion
DP14	100%	100%
DP17	100%	100%
DP9	100%	100%
DPw3	100%	100%
DPw6	100%	100%
DQ2	100%	100%
DR10	100%	100%
DR53	100%	100%
DR7	100%	100%
DR9	100%	100%
DQA1*02	90%	100%
DP20	71%	100%
DQ6	57%	100%
DR14	38%	100%
DQA1*05	29%	100%
DR51	19%	100%
DQ4	14%	100%
DQ8	10%	100%
DQ9	10%	100%
DQ1	5%	100%
DQ3	5%	100%
DQ7	5%	100%
DR103	5%	100%
DR6	5%	100%

*** Serum 1351 ***		
21 typing Labs		
Antigen	Consensus	Inclusion
DR4	100%	100%
DR9	100%	100%
DR1	95%	100%
DR15	95%	100%
DR16	95%	100%
DR51	95%	100%
DR103	90%	100%
DR14	57%	100%
DR53	52%	100%
DQ6	38%	100%
DQA1*05	14%	100%
DR2	9%	100%
DP10	5%	100%
DP18	5%	100%
DPA1*01	5%	100%
DPA1*04	5%	100%
DPw2	5%	100%
DPw4	5%	100%
DQ3	5%	100%
DQ7	5%	100%
DQ8	5%	100%
DQ9	5%	100%
DQA1*03	5%	100%
DQA1*06	5%	100%
DR11	5%	100%
DR12	5%	100%
DR13	5%	100%
DR17	5%	100%
DR3	5%	100%
DR52	5%	100%
DR7	5%	100%
DR8	5%	100%

Table 7. Individual laboratory results for Serum #1347 - 1351 by Antiglobulin - class I

	**** Serum 1347 ****														**** Serum 1348 ****					**** Serum 1349 ****					**** Serum 1350 ****					**** Serum 1351 ****					
Ctr	% POS	A24	A25	A30	A32	B13	B27	B44	B49	B51	B53	B57	B63	Other	% POS				Other	% POS	A2	B57	B62	Other	% POS	A29			Other	% POS				Other	Method
786		+	+	+	+	+	+	+	+	+	+	+	+		NT						+	+	+			+				NT					Antiglobulin

Table 8. Individual laboratory results for Serum #1347 - 1351 by C1q - class I

	**** Serum 1347 ****																																					
Ctr	% POS	A1	A11	A23	A24	A25	A29	A3	A30	A31	A32	A33	A34	A43	A66	A74	A80	B13	B27	B37	B38	B44	B45	B47	B49	B51	B52	B53	B57	B58	B59	B63	B75	B76	B77	B78	Other	Method
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		C1q

	**** Serum 1348 ****										**** Serum 1349 ****									**** Serum 1350 ****								**** Serum 1351 ****										
Ctr	% POS									Other	% POS	A2	B13	B57	B62	B63	B75	B76		% POS	A29	A43					Other	% POS									Other	Method
786	NT											+	+	+	+	+	+	+			+	+						NT										C1q

Table 9. Individual laboratory results for Serum #1347 - 1351 by LMX PRA - class I

	**** Serum 1347 ****																																	
Ctr	% POS	A23	A24	A25	A32	B27	B51	B52	B53	A1	A11	A26	A29	A3	A30	A31	A33	A34	A36	A68	A69	A80	B13	B37	B44	B47	B49	B57	B58	B59	B63	B77	B82	Other	Method
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+			+		LMX-PRA
3753	96	+	+	+	+	+	+	+	+														+	+	+	+	+	+	+		+	+		Bw4	LMX-PRA
4079	95																																		LMX-PRA
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A66,B45,A74,A43 >	LMX-PRA

	**** Serum 1348 ****																					
Ctr	% POS	B54	B55	B56	B7	B18	B42	B48	B60	B61	B67	B8	B81	B27	B35	B39	B41	B62	B71	B72	Other	Method
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+		LMX-PRA
3753	64	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+				LMX-PRA
4079	29	+	+	+	+																B8101	LMX-PRA
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B78,B50,B82,B75 >	LMX-PRA

	**** Serum 1349 ****																													
Ctr	% POS	A2	B57	B58	B62	B63	B72	B75	B77	A32	B71	B76	A23	A24	A25	A69	B13	B27	B37	B44	B47	B49	B51	B52	B59	Cw10	Cw8	Cw9	Other	Method
2400		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	B53	LMX-PRA
3753	70	+	+	+	+	+	+	+	+	+	+				+															LMX-PRA
4079	57	+	+	+	+	+	+	+	+			+																		LMX-PRA
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B61,B78,B50,B56 >	LMX-PRA

	**** Serum 1350 ****																					**** Serum 1351 ****		
Ctr	% POS	A25	A26	A29	A30	A31	A32	A33	A34	A66	A68	A69	A11	A3	A74	A1	A36	A80	B44	B45	B82	Other	% POS	Other	Method
2400		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+		0		LMX-PRA
3753	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					0		LMX-PRA
4079	80	+	+	+	+	+	+	+	+	+	+	+			+							A10,A19,A28	0		LMX-PRA
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,A43,B76,B8	0		LMX-PRA

Table 10. Individual laboratory results for Serum #1347 by Single Antigen - class I

**** Serum 1347 ****

Ctr	% POS	A1	A23	A24	A25	A26	A29	A3	A30	A31	A32	A33	A34	A36	A43	A74	A80	B13	B37	B38	B44	B45	B47	B49	B51	B52	B53	B57	B58	B59	B63	B76	B77	A68	B82	A11	A66	A69	B27	B2705	Bw4	Cw16	A2403	B56	A1101	A1102	A6601	A6602	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+							B*27:05	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+					B54,B55,B35	LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+					B62,B55,B35,B72	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										B72	LMX-SAB
3224	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+					B62,B72	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+									LMX-SAB
3766	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	B72,B8201	LMX-SAB
3808	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+			+		+	+	+	+		LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		+		+	+	+	+		LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					B55,B35	LMX-SAB
5219	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+		+	+	+	+	A9,B15,A10,B21 >	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										B*27:05	LMX-SAB
6649	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+						LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					B55,B35,B72,Cw14	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+				+						B8201	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B55,B35,Cw14 >	LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+		+	+	+	+	B15,B8201	LMX-SAB
8121	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+		+		+						A9,B15,A10,B62 >	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+								LMX-SAB

Table 11. Individual laboratory results for Serum #1348 by Single Antigen - class I

	**** Serum 1348 ****																																			
Ctr	% POS	B7	Cw7	B54	B60	B67	B8	B18	B35	B41	B42	B48	B55	B56	B61	B62	B64	B65	B71	B72	B76	B78	B81	B39	B45	B50	B82	B27	B75	B2708	B8101	B13	B8201	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		B47,A80,Cw16	LMX-SAB
725	0																																		LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+				Bw6	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+							LMX-SAB
3224	33	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		Bw6	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				Bw6	LMX-SAB
3766	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	B3901	LMX-SAB
3808	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+	+			B47,B703,B2705,B3901	LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			+	+	+		+	B40	LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		B47,A80,Cw2,Cw16	LMX-SAB
5219	8	+	+																				+					+			+			B703,B2705	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						B*27:08	LMX-SAB
6649	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		Cw4,B47,A80,Bw6 >	LMX-SAB
8098		+	+	+	+	+	+																+										+	A2,B703,A69	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	A2,B40,B7801,B4005 >	LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	B40,B15,B14,Cw16 >	LMX-SAB
8121	0																																		LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B4005	LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+			LMX-SAB

Table 12. Individual laboratory results for Serum #1349 by Single Antigen - class I

	**** Serum 1349 ****																																															
Ctr	% POS	A2	B13	B57	B62	B63	B75	B76	B77	A32	A69	B27	B37	B38	B46	B51	B52	B58	B64	B71	B72	Cw10	Cw9	A24	B18	B44	B49	B67	B39	B65	B78	A23	B47	Cw8	A25	B59	B61	B50	B53	B56	Cw12	A74	A203	B2708	A2403	B2705	Bw4	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+											+					LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						A34	LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+							LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+												LMX-SAB
3224	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+		LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+		LMX-SAB
3766	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	+		B7801,B3901	LMX-SAB
3808	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+		+													+	+	+	+		B7801,B3901	LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+											LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+								+	+		+		B17,Cw3	LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	Cw1,Cw16	LMX-SAB
5219	10	+	+	+	+	+	+	+	+																																		+					B15,B17	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+								LMX-SAB
6649	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+		LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	Cw4,A34,A80,Cw1>	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+										+	+	+			B3901	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+			+		+						+					+	+		B48,B4005	LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		Cw4,B40,B15,A29>	LMX-SAB
8121	11	+	+	+	+	+	+	+	+																																		+					B15,B17	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+					+								B4005	LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB

Table 13. Individual laboratory results for Serum #1350 - 1351 by Single Antigen - class I

		**** Serum 1350 ****																															**** Serum 1351 ****			
Ctr	% POS	A1	A25	A26	A29	A3	A30	A31	A32	A33	A34	A36	A43	A68	A69	A74	A80	B44	B45	B76	A11	A66	B82	B54	B8	B63	Cw15	B59	A6601	A6602	A1101	A1102	Other	% POS	A1	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B41,B42	0			LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											0			LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						0			LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+							+		LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											0			LMX-SAB
3224	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B41,B42	0			LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									0			LMX-SAB
3766	83	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+	B8201				LMX-SAB
3808	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+						+	+	+	+		0			LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									0			LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+							LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									LMX-SAB
5219	27	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	B15,A10,A19,A28 >	0			LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									0			LMX-SAB
6649	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								0			LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					B13,B47,B27,B38 >	0			LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											B8201				LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	Cw7,B8201	0			LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B8201				LMX-SAB
8121	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										B15,A10,A19,A28 >	0			LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						0			LMX-SAB

Table 14. Individual laboratory results for Serum #1347 - 1351 by PRA - class II

	**** Serum 1347 ****																	**** Serum 1348 ****												
Ctr	% POS	DR11	DR7	DR9	DR12	DR13	DR16	DR53									Other	% POS	DR1	DR103	DR15	DR51	DR9	DR10	DR4	DPw4	DR11	DR14	Other	Method
2400		+	+	+	+	+		+											+	+	+	+	+	+	+	+		+		LMX-PRA
3753	57	+	+	+			+											70	+	+	+	+	+	+			+			LMX-PRA
4079	60	+	+	+	+													80	+	+	+	+	+		+				DR16	LMX-PRA
8112		+	+	+	+	+	+	+									DQ4,DQ9,DPw4,DP23 >		+	+	+	+	+	+	+	+	+	+	DR2,DR5,DR52,DQ5 >	LMX-PRA

	**** Serum 1349 ****																	**** Serum 1350 ****												
Ctr	% POS	DR52	DR7	DR8	DQ7	DQ8	DQ9	DR11	DR12	DR13	DR14	DR17	DR18	DR9	DQ2	DR4	DR53	Other	% POS	DQ2	DR53	DR10	DR7	DR9						Other	Method
2400		+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	+							LMX-PRA
3753	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		63	+	+	+	+	+							LMX-PRA
4079	94	+	+	+															57	+	+										LMX-PRA
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQ3,DQ4,DPw1,DPw2 >		+	+	+	+	+						DQ4,DQ7,DQ8,DQ9 >	LMX-PRA

	**** Serum 1351 ****																		
Ctr	% POS	DR1	DR103	DR15	DR16	DR4	DR9	DR51									Other		Method
2400		+	+	+	+	+	+	+											LMX-PRA
3753	53	+	+	+	+	+	+	+											LMX-PRA
4079	60	+	+	+	+	+	+												LMX-PRA
8112		+	+	+	+	+	+	+									DR14,DR53,DQ6		LMX-PRA

Table 15. Individual laboratory results for Serum #1347 by Single Antigen - class II

	**** Serum 1347 ****																	
Ctr	% POS	DR16	DR53	DR9	DR11	DR12	DR13	DR7	DQA1*02	DQ8	DR8	DQ9	DPw4	DQ4	DQA1*03	DQ6	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+		+		DR51,DRB5*01:01,DPw1,DP401,DP23 >	LMX-SAB
725		+	+	+	+	+	+	+	+		+					+	DR14	LMX-SAB
910		+	+	+	+	+	+	+	+						+		DQA1*06,DQA1*02:01,DQA1*03:02,DQA1*03:03,DQA1*06:01	LMX-SAB
2400		+	+	+	+	+	+	+	+									LMX-SAB
3224	26	+	+	+	+	+	+	+	+	+	+	+			+			LMX-SAB
3753		+	+	+	+	+	+	+	+								DRB1*13:03	LMX-SAB
3766	77	+	+	+	+	+	+	+	+				+		+		DP401	LMX-SAB
3808	17	+	+	+	+	+	+	+	+								DR1403	LMX-SAB
3966		+	+	+	+	+	+	+	+	+		+	+	+	+			LMX-SAB
4079		+	+	+	+	+		+	+		+						DR1403	LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR51,DQ2,DQ5,DPw1 >	LMX-SAB
5219	18	+	+	+	+	+	+	+	+		+					+	DR2,DR5,DR6,DR1403 >	LMX-SAB
5462		+	+	+	+	+	+		+	+		+	+	+			DR4,DRB1*04:03 and DPB1*04:01	LMX-SAB
6649	25	+	+	+	+	+	+	+	+						+			LMX-SAB
8082		+	+	+	+	+	+	+	+					+			DQ2	LMX-SAB
8098		+	+	+	+	+	+	+	+		+						DR1403	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+			DR14,DR51,DQ2,DQ7 >	LMX-SAB
8103		+	+	+												+	DR1,DR103,DR4,DR14 >	LMX-SAB
8121	14	+	+	+	+	+	+	+		+				+		+	DR2,DR5,DR6,DQ1 >	LMX-SAB
8125		+	+	+	+	+	+	+		+	+	+		+				LMX-SAB
8128		+	+	+	+	+	+	+		+		+	+				DP23,DPA1*02,DPA1*03	LMX-SAB

Table 16. Individual laboratory results for Serum #1348 by Single Antigen - class II

	**** Serum 1348 ****																									
Ctr	% POS	DR9	DR1	DR10	DR103	DR51	DR11	DPw6	DR4	DP14	DP17	DP18	DP28	DP9	DPw2	DPw3	DPw4	DR15	DP20	DP10	DR14	DQ5	DP402	DR16	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR52,DQA1*05,DRB1*04:04,DRB1*04:01, DRB1*04:05,DRB1*04:03,DRB1*14:02,DRB3*02:02	LMX-SAB
725		+	+	+	+	+	+		+									+			+			+	DR7,DR8,DR12,DR13 >	LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			DR52,DRB1*04:01,DRB1*04:04,DRB1*04:05, DRB1*14:02,DRB3*02:02,DPB1*04:02	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+					LMX-SAB
3224	37	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+	+		+	+	+	DRB1*04:01,DRB1*04:04,DRB1*04:05,DRB1*14:02	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		DRB1*14:02	LMX-SAB
3766	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+			LMX-SAB
3808	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					+			LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
4079		+	+	+	+	+	+		+									+								LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	DR52,DPA1*01,DPA1*04,DQA1*05	LMX-SAB
5219	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		DR5	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			DRB1*14:02, DRB1*04:04, DRB1*04:01, and DRB1*04:05, DPB1*04:02	LMX-SAB
6649	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
8082		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+		+		+		+		DPw1,DPA1*01,DPA1*02,DPA1*04	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			DPA1*01,DPA1*02,DPA1*03,DPA1*04 >	LMX-SAB
8103		+					+																	+	DR7,DR12,DR13,DR53	LMX-SAB
8121	9	+	+	+	+	+		+	+						+		+								DQ4	LMX-SAB
8125		+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+						LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB

Table 17. Individual laboratory results for Serum #1349 by Single Antigen - class II

	**** Serum 1349 ****																													
Ctr	% POS	DR11	DR14	DR4	DR52	DR9	DP28	DQ7	DQ8	DQ9	DR12	DR13	DR18	DR7	DR8	DP18	DPw2	DR17	DPw4	DP10	DQ2	DQA1*03	DR53	DP402	DQA1*05	DR1403	DR1404	DQA1*06	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DQA1*02,DPB1*04:02	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+								LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							DQ4,DQA1*03:03, DQB1*04:01, DPB1*04:02	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+			+		LMX-SAB
3224	50	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+			+	DQA1*02	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+						LMX-SAB
3766	93	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+				DPw1, DPA1*02:01/DPB1*01:01	LMX-SAB
3808	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		+	+			LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		+	+		DR3,DQ3	LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+				+	DPA1*01,DPA1*04,DQA1*02	LMX-SAB
5219	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+		+	+		DR3,DR5,DR6,DQ3	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						DPB1*04:02	LMX-SAB
6649	54	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						DQ4	LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	DPA1*01,DPA1*04,DQA1*02	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+			+	+			LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	DQ4,DPA1*01,DPA1*02,DPA1*04 >	LMX-SAB
8103		+	+	+	+	+	+										+		+	+				+					DR1,DR103,DR10,DR15 >	LMX-SAB
8121	44	+	+	+	+	+		+	+	+	+	+	+	+	+		+	+	+		+					+	+		DR3,DR5,DR6,DQ3	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+									LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB

Table 18. Individual laboratory results for Serum #1350 - 1351 by Single Antigen - class II

	**** Serum 1350 ****																	**** Serum 1351 ****											
Ctr	% POS	DP14	DP17	DP9	DPw3	DPw6	DQ2	DR10	DR53	DR7	DR9	DQA1*02	DP20	DQ6	DR14	DQA1*05	Other	% POS	DR4	DR9	DR1	DR15	DR16	DR51	DR103	DR14	DR53	DQ6	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+		DR103,DR51,DRB1*14:01, DRB1*14:54,DQB1*06:01		+	+	+	+	+	+	+	+	+	+	DQA1*05,DRB1*14:02, DQB1*06:01,DQA1*05:01	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+	+						LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+		DR51,DRB1*14:01, DRB1*14:54, DQA1*02:01, DQB1*06:01		+	+	+	+	+	+	+	+	+	+	DRB1*14:02, DQB1*06:01	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+	+		LMX-SAB
3224	28	+	+	+	+	+	+	+	+	+	+	+	+				DRB1*14:01,DRB1*14:54, DQB1*06:01	21	+	+	+	+	+	+	+		+		DRB1*14:02, DQB1*06:01	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	+	+	+	+			DRB1*14:02	LMX-SAB
3766	71	+	+	+	+	+	+	+	+	+	+	+	+	+		+	DQ4, DQA1*01:03/DQB1*06:01	77	+	+	+	+	+	+	+	+	+	+	DRB1*04:04, DRB1*04:01, DRB1*14:02, DRB1*04:05, DRB1*04:03, DQA1*01:03/DQB1*06:01	LMX-SAB
3808	18	+	+	+	+	+	+	+	+	+	+	+						16	+	+	+	+	+	+	+					LMX-SAB
3966		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+		LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+	+	+					LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+		+	+		LMX-SAB
5219	18	+	+	+	+	+	+	+	+	+	+	+			+		DR6	15	+	+	+	+	+	+	+				DR2	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+			DQB1*06:01		+	+	+	+	+	+	+	+	+	+	DRB1*14:02,DQB1*06:01	LMX-SAB
6649	27	+	+	+	+	+	+	+	+	+	+	+	+	+				19	+	+	+	+	+	+	+	+				LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR51		+	+	+	+	+	+	+	+	+	+	DQA1*05	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+			+		DR51		+	+	+	+	+	+	+					LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQ4,DQ7,DQ8,DQ9		+	+	+	+	+	+	+	+				LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+						+			DR3,DR7,DR8,DR11 >	LMX-SAB
8121	18	+	+	+	+	+	+	+	+	+	+			+			DQ1,DQ3,DQ4,DQ8	15	+	+	+	+	+	+	+				DR2	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+		+				DQ9		+	+	+	+	+	+	+		+			LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	+	+	+	+	+			LMX-SAB