SERUM EXCHANGE #591
FEBRUARY 7, 2024

The results for **Serum Exchange 591** (**sera 1362 - 1366**), are summarized in Tables 1 – 7 and individual laboratory results by method are listed in Tables 8 - 21. Sera with strong anti-A1 and –B8 reactivity were examined in this study.

1362	method	#labs	A1	A36	A26	A29	A3	A43	A80	A11	A1101	A1102	A25	A66	A6601	A6602	A34	B63	A24	A2403
class I	NIH-Std	1	NT																	
	AHG	1	NT																	
	C1q	1	no consensus																	
	PRA	3	100%	100%	100%	100%	100%			100%			67%	100%			33%		33%	
	SAB	28	100%	100%	100%	100%	100%	100%	100%	96%	29%	29%	79%	71%	32%	11%	64%	50%	39%	18%

1362	method	#labs	A30	B7	A10	A19	B15	B65	B78	Cw7	A10C	A1C	A23	A33	A68	A9	B14	B51	B64
1362	SAB	28	14%	11%	7%	7%	7%	7%	7%	7%	4%	4%	4%	4%	4%	4%	4%	4%	4%

1362	method	#labs	DQ5	DQ6	DQ4	DR51	DQA1*01	DQ8	DQ9	DQA1*03	DQ1	DR4	DR52	DQA1*04	DQA1*02	DP18	DP28
class II	PRA	3	100%	100%	33%	33%											
	SAB	27	100%	100%	100%	4%	52%	41%	41%	26%	7%	7%	7%	7%	4%	4%	4%

1362	method	#labs	DPw3	DPw4	DQ2	DQ3	DQ7	DR6	DR13	DR1403	DR2	DR15	DR3	DR17	DR18	DR53
1362	SAB	27	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%

Serum 1362. For this sample, strong anti-A1 (15077) and –A36 (11275) reactivity was reported by C1q, PRA, and SAB labs. Each were reported by ≥ 90% of SAB labs, along with anti-A26 (3865), -A29 (5733), -A3 (4377), -A43 (3836), -A80 (6975), and -A11 (7404) reactivity.

Strong class II reactivity was also detected in this sample. PRA and 100% of SAB labs reported reactivity to DQ5 (14705), DQ6 (17717), and DQ4 (4394). Strong DQA1*01 (16373) reactivity was also reported by SAB.

*(median MFI by SAB)

1363	method	#labs	A1	A25	A26	A34	A36	A80	A66	A6601	A6602	A11	A1101	A1102	A23	A43	B73	B18	B64	B65	B14	B8	B78
class I	NIH-Std	1	NT																				
	AHG	1	NT																				
	C1q	1	no consensus																				
	PRA	3	100%	100%	100%	100%	100%	67%	100%			100%			67%		67%	67%	67%	67%		33%	67%
	SAB	28	96%	100%	100%	100%	100%	100%	93%	29%	7%	96%	29%	29%	100%	96%	100%	96%	93%	89%	14%	61%	82%

1363	method	#labs	B76	A33	A24	Cw6	Cw18	Cw7	B51	B37	B27	B42	B57	B58	B7	B8	Cw4	A68	B15	A10	A29	A69
	PRA	3			33%						33%	33%	33%	33%	33%	33%						
	SAB	28	96%	93%	89%	96%	93%	89%	86%	75%							54%	36%	14%	7%	7%	7%

1363	method	#labs	DQ4	DQ7	DQ8	DQ3	DQ2	DQ9	DR7	DP11	DPw1	DPw3	DPw5	DPw6	DP13	DP19	DP18	DP14	DP15	DP17	DP9
class II	PRA	3	67%	67%	67%		33%	67%	67%												
	SAB	27	100%	96%	93%	15%	100%	96%	85%	100%	100%	100%	100%	100%	93%	96%	93%	89%	89%	89%	89%

1363	method	#labs	DQ5	DQ6	DQ1	DR51	DR12	DR9	DR1	DR103	DR13	DR17	DR18	DR52	DR53	DR8	DR14	DR1403	DPA1*04	DP10	DP20
	PRA	3	33%			33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%				
	SAB	27	70%	59%	4%	7%	4%	4%										4%	70%	63%	63%

1363	method	#labs	DP28	DPA1*02	DQA1*02	DQA1*03	DQA1*05	DQA1*06	DQA1*04	DPA1*03	DPA1*01	DP85	DPw4	DP105	DP107	DP26	DP30	DP31	DP40	DQA1*01	DP23	DR15
	SAB	27	59%	59%	56%	56%	63%	63%	56%	33%	22%	15%	11%	7%	7%	7%	7%	7%	7%	7%	4%	4%

Serum 1363. Strong anti-A1 (10920) reactivity was reported in this sample by C1q, PRA, and SAB. In addition, PRA and SAB labs reported reactivity to B73 (4455), B18 (4706), B64 (2624), B65 (1993), as well as reactivity to a number of 1C and 10C specificities, including A25 (4654), A26 (4559), A34 (4770), A36 (6397), A80 (6207), A66 (3248), and A11 (4734). Allele specific A*24:02 reactivity was also reported by a number (n = 5) of SAB labs.

Class II reactivity was detected in this sample, with PRA and SAB labs reporting anti-DQ4 (7280), -DQ7 (12503), -DQ8 (4968), -DQ2 (13049), -DQ9 (5164), and -DR7 (2208) reactivity. In addition, SAB labs reported reactivity to a number of DP specificities, including DP11 (13819), DP1 (13024), DP3 (12800), DP5 (14297), DP6 (12872), DP13 (12358), DP19 (10739), and DP18 (4943). Each were reported by ≥ 90% of SAB labs.

*(median MFI by SAB)

1364	method	#labs	B8	B59	B64	B65	Cw5	Cw15	Cw2	Cw8	Cw17	A2	B37	Cw16	Cw18	Cw6	B15	B72	Bw4	Bw6
class I	NIH-Std	1	NT																	
	AHG	1	NT																	
	C1q	1	no consensus																	
	PRA	3	100%	100%	33%	33%														
	SAB	28	100%	100%			100%	61%	61%	39%	21%	14%	11%	11%	7%	4%	4%	4%	4%	4%

1364	method	#labs	DR1	DR9	DR10	DR103	DR4	DR51	DR53	DQ7	DQ8	DQ9	DQ3	DR7	DR14
class II	PRA	3	100%	100%	100%	100%	100%	67%	67%	33%	33%	33%		67%	33%
	SAB	27	100%	100%	100%	100%	100%	100%	100%	100%	96%	96%	15%	59%	

1364	method	#labs	DR15	DP17	DP9	DPw6	DPw3	DP14	DP20	DQA1*06	DQA1*05	DQA1*03	DPA1*02	DPA1*03	DQA1*02
	SAB	27	67%	70%	70%	70%	59%	56%	48%	33%	30%	26%	4%	4%	4%

Serum 1364. For this sample, anti-B8 (14617) reactivity was reported by C1q, PRA, and SAB labs. In addition, strong anti–Cw5 (17155) and -B59 (8836) reactivity was reported by various methods.

Strong class II reactivity was also detected in this sample. Labs reporting by PRA and SAB reported reactivity to DR1 (16622), DR9 (12211), DR10 (12113), DR103 (17205), DR4 (6649), DR51 (15782), DR53 (11620), DQ7 (3644), DQ8 (3526), and DQ9 (3370). Allele specific DRB1*14:02 reactivity was also reported by a number (n = 6) of SAB labs.

*(median MFI by SAB)

1365	method	#labs	A2	A68	A69	B57	B58	B18	B54	B55	B56	B27	B2708	B2705	B37	B44	B45	B35	B47	B49	B50	B51	B53	B52	B64
class I	NIH-Std	1	no consensus																						
	AHG	1	no consensus																						
	C1q	1	no consensus																						
	PRA	3	100%	100%	100%	67%	67%	67%	67%	67%	67%				33%		33%	33%	33%	33%		33%	33%	67%	67%
	SAB	27	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	41%	26%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	96%

1365	method	#labs	B65	B71	B72	B78	B7801	B67	B13	B38	B46	B59	B62	B63	B75	B76	B77	B82	B8201	B39	B3901	B3902	A23	A24	A2403
	PRA	3	67%	67%	67%	67%			33%	33%		33%	33%	33%		33%	33%			33%			67%	67%	
	SAB	27	96%	96%	96%	96%	26%	100%	96%	96%	96%	96%	96%	96%	96%	96%	96%	93%	19%	81%	33%	4%	37%	85%	30%

1365	method	#labs	Cw8	B73	A203	Cw5	A33	Bw4	B14	B15	B17	B48	B70	A28	A2C	B12	B21	B22	B5	B5C	Bw6	B12C	B16	B7C	B8C
	PRA	3	33%																						
	SAB	27	4%	37%	33%	33%	30%	26%	18%	18%	11%	11%	11%	7%	7%	7%	7%	7%	7%	7%	7%	4%	4%	4%	4%

1365	method	#labs	DR52	DR11	DR13	DR14	DR1403	DR17	DR18	DR3	DQ2	DR7	DP18	DP28	DPw2	DPw3	DPw4	DP402	DPw6	DP17	DQ6	DR12	DR15
class II	PRA	3	100%	67%	67%	67%		67%	67%		67%	33%									33%	33%	33%
	SAB	26	100%	100%	100%	100%	21%	96%	96%	14%	100%	96%	100%	100%	100%	100%	75%	29%	100%	96%			

1365	method	#labs	DR16	DR51	DR53	DR8	DP14	DP9	DP20	DP10	DPA1*04	DPA1*01	DQA1*05	DPA1*02	DPA1*03	DQA1*04	DQA1*01	DQA1*02	DP105	DQA1*03	DR5	DR6	DR10
	PRA	3	33%	33%	33%	33%																		
	SAB	26	4%				82%	82%	68%	64%	29%	21%	18%	14%	7%	7%	4%	4%	4%	4%	7%	7%	4%

Serum 1365. Strong anti-A2 (18331) and –A68 (14270) reactivity was detected in this sample by all methods. Additional reactivity to A69 (13194), as well as reactivity to a number of 5C, 7C, 8C, and 12C specificities, was reported by PRA and SAB.

Strong class II reactivity was also reported in this sample. PRA and SAB labs reported reactivity to DR52 (15971), DR11 (19765), DR13 (7041), DR14 (5936), DR17 (15659), and DR18 (15336). Each were reported by ≥ 90% of SAB labs. In addition, SAB labs reported reactivity to a number of DP specificities, including DP18 (20771), DP28 (20378), DP2 (21024), DP3 (18785), DP4 (DP402)(20194), DP6 (17953) and DP17 (18647).

*(median MFI by SAB)

1366	method	#labs	B18	B8	B64	B65	B38	B54	B55	B42	A33	A34	A68	A69	B73	Cw5	A25	A66	A6601	A6602	B51	B52	B78	B7801	B59
class I	NIH-Std	1	no consensus																						
	AHG	1	no consensus																						
	C1q	1	no consensus																						
	PRA	3	100%	100%	100%	100%	67%	67%	67%	67%	67%	67%	67%	33%	33%		33%	33%			67%	67%	67%		67%
	SAB	28	100%	100%	96%	96%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	96%	29%	29%	96%	96%	96%	25%	93%

1366	method	#labs	B67	B37	B41	B77	A26	B75	B39	B3901	B3902	B35	B71	B53	Cw7	Cw12	Cw1	Cw16	Cw18	Cw6	Cw8	A11	A1101	A1102
	PRA	3	67%	33%			33%		67%			33%			33%							33%		
	SAB	28	93%	93%	93%	93%	89%	89%	86%	39%	4%	79%	71%	68%	7%	71%	82%	64%	64%	57%	39%	4%	4%	4%

1366	method	#labs	B14	B46	A2	B15	Cw14	Cw15	A10	A19	A28	B22	B5	B8C	A10C	A1C	A3	B16	B56	B70	Cw4	Bw4	Bw6
	SAB	28	18%	18%	14%	11%	11%	11%	7%	7%	7%	7%	7%	7%	4%	4%	4%	4%	4%	4%	4%	4%	4%

1366	method	#labs	DR1	DR10	DR103	DR51	DR9	DR12	DR14	DR1403	DR18	DQ9	DR15	DR16
class II	PRA	3	100%	100%	100%	100%	67%	33%				33%	33%	33%
	SAB	27	100%	100%	100%	100%	100%	67%	15%	4%	4%			

Serum 1366. For this sample, strong anti-B64 (18978), -B65 (18302), and -B18 (18144) reactivity was reported by all methods. Additional reactivity to B8 (14776), along with reactivity to a number of 5C, 7C, and 10C specificities was reported by various methods. For class II, PRA and SAB labs reported reactivity to DR1 (8069), DR10 (4312), DR103 (7575), DR51 (5311), DR9 (4222), and DR12 (1502).

*(median MFI by SAB)

NEXT MAILING DATE: May 8, 2024

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Table 1. Summary of the 591ˢᵗ Serum Exchange (Serum #1362-1366) by NIH-Standard - class I

Method: NIH-Standard														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
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			NT			NT			no consensus			no consensus		

Table 2. Summary of the 591st Serum Exchange (Serum #1362-1366) by Antiglobulin - class I

Method: Antiglobulin														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
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			NT			NT			no consensus			no consensus		

Table 3. Summary of the 591ˢᵗ Serum Exchange (Serum #1362-1366) by C1q - class I

Method: C1q														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
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 4. Summary of the 591st Serum Exchange (Serum #1362-1366) by PRA - class I

Method: Luminex - PRA														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
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
A1	100%	100%	A1	100%	100%	B59	100%	100%	A2	100%	100%	B18	100%	100%
A11	100%	100%	A11	100%	100%	B8	100%	100%	A68	100%	100%	B64	100%	100%
A26	100%	100%	A25	100%	100%	B64	33%	100%	A69	100%	100%	B65	100%	100%
A29	100%	100%	A26	100%	100%	B65	33%	100%	A23	67%	100%	B8	100%	100%
A3	100%	100%	A34	100%	100%				A24	67%	100%	A33	67%	100%
A36	100%	100%	A36	100%	100%				B18	67%	100%	A34	67%	100%
A66	100%	100%	A66	100%	100%				B52	67%	100%	A68	67%	100%
A25	67%	100%	A23	67%	100%				B54	67%	100%	B38	67%	100%
A24	33%	100%	A80	67%	100%				B55	67%	100%	B39	67%	100%
A34	33%	100%	B18	67%	100%				B56	67%	100%	B42	67%	100%
			B64	67%	100%				B57	67%	100%	B51	67%	100%
			B65	67%	100%				B58	67%	100%	B52	67%	100%
			B73	67%	100%				B64	67%	100%	B54	67%	100%
			B78	67%	100%				B65	67%	100%	B55	67%	100%
			A24	33%	100%				B71	67%	100%	B59	67%	100%
			B27	33%	100%				B72	67%	100%	B67	67%	100%
			B42	33%	100%				B78	67%	100%	B78	67%	100%
			B57	33%	100%				A1	33%	100%	A11	33%	100%
			B58	33%	100%				A34	33%	100%	A25	33%	100%
			B59	33%	100%				A80	33%	100%	A26	33%	100%
			B63	33%	100%				B13	33%	100%	A30	33%	100%
			B7	33%	100%				B35	33%	100%	A66	33%	100%
			B8	33%	100%				B37	33%	100%	A69	33%	100%
									B38	33%	100%	B35	33%	100%
									B39	33%	100%	B37	33%	100%
									B45	33%	100%	B73	33%	100%
									B47	33%	100%	Cw7	33%	100%
									B49	33%	100%			
									B51	33%	100%			
									B53	33%	100%			
									B59	33%	100%			
									B62	33%	100%			
									B63	33%	100%			
									B67	33%	100%			
									B77	33%	100%			

Table 5. Summary of the 591st Serum Exchange (Serum #1362-1366) by Single Antigen - class I

Method: Luminex - SAB														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
28 typing Labs			28 typing Labs			28 typing Labs			27 typing Labs			28 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	100%	100%	A23	100%	100%	B59	100%	100%	A2	100%	100%	A33	100%	100%
A26	100%	100%	A25	100%	100%	B8	100%	100%	A68	100%	100%	A34	100%	100%
A29	100%	100%	A26	100%	100%	Cw5	100%	100%	A69	100%	100%	A68	100%	100%
A3	100%	100%	A34	100%	100%	Cw15	61%	100%	B18	100%	100%	A69	100%	100%
A36	100%	100%	A36	100%	100%	Cw2	61%	100%	B27	100%	100%	B18	100%	100%
A43	100%	100%	A80	100%	100%	Cw8	39%	100%	B35	100%	100%	B42	100%	100%
A80	100%	100%	B73	100%	100%	Cw17	21%	100%	B37	100%	100%	B54	100%	100%
A11	96%	100%	A1	96%	100%	A2	14%	100%	B44	100%	100%	B55	100%	100%
A25	79%	100%	A11	96%	100%	B37	11%	100%	B45	100%	100%	B73	100%	100%
A66	71%	100%	A43	96%	100%	Cw16	11%	100%	B47	100%	100%	B8	100%	100%
A34	64%	100%	B18	96%	100%	Cw18	7%	100%	B49	100%	100%	Cw5	100%	100%
B63	50%	100%	B76	96%	100%	B15	4%	100%	B50	100%	100%	A25	96%	100%
A24	39%	100%	Cw6	96%	100%	B72	4%	100%	B51	100%	100%	A66	96%	100%
A6601	32%	100%	A33	93%	100%	Bw4	4%	100%	B53	100%	100%	B38	96%	100%
A1101	29%	100%	A66	93%	100%	Bw6	4%	100%	B54	100%	100%	B51	96%	100%
A1102	29%	100%	B64	93%	100%	Cw6	4%	100%	B55	100%	100%	B52	96%	100%
A2403	18%	100%	Cw18	93%	100%				B56	100%	100%	B64	96%	100%
A30	14%	100%	A24	93%	100%				B57	100%	100%	B65	96%	100%
A6602	11%	100%	B65	93%	100%				B58	100%	100%	B78	96%	100%
B7	11%	100%	Cw7	93%	100%				B67	100%	100%	B37	93%	100%
A10	7%	100%	B51	86%	100%				B13	96%	100%	B41	93%	100%
A19	7%	100%	B78	82%	100%				B38	96%	100%	B59	93%	100%
B15	7%	100%	B37	75%	100%				B46	96%	100%	B67	93%	100%
B65	7%	100%	B8	61%	100%				B52	96%	100%	B77	93%	100%
B78	7%	100%	Cw4	54%	100%				B59	96%	100%	A26	93%	100%
Cw7	7%	100%	A68	36%	100%				B62	96%	100%	B75	93%	100%
A10C	4%	100%	A1101	29%	100%				B63	96%	100%	B39	86%	100%
A1C	4%	100%	A1102	29%	100%				B64	96%	100%	Cw1	82%	100%
A23	4%	100%	A6601	29%	100%				B65	96%	100%	B35	79%	100%
A33	4%	100%	B14	14%	100%				B71	96%	100%	B71	71%	100%
A68	4%	100%	B15	14%	100%				B72	96%	100%	Cw12	71%	100%
A9	4%	100%	A10	7%	100%				B75	96%	100%	B53	68%	100%
B14	4%	100%	A29	7%	100%				B76	96%	100%	Cw16	64%	100%
B51	4%	100%	A6602	7%	100%				B77	96%	100%	Cw18	64%	100%
B64	4%	100%	A69	7%	100%				B78	96%	100%	Cw6	57%	100%

Table 5. Summary of the 591st Serum Exchange (Serum #1362-1366) by Single Antigen - class I

Method: Luminex - SAB, cont.														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
28 typing Labs			28 typing Labs			28 typing Labs			27 typing Labs			28 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B67	4%	100%	A9	7%	100%				B82	93%	100%	B3901	39%	100%
Cw18	4%	100%	B7801	7%	100%				A24	85%	100%	Cw8	39%	100%
Cw6	4%	100%	A19	4%	100%				B39	81%	100%	A6601	29%	100%
			A1C	4%	100%				B2708	41%	100%	A6602	29%	100%
			A2403	4%	100%				A23	37%	100%	B7801	25%	100%
			A28	4%	100%				B73	37%	100%	B14	18%	100%
			A32	4%	100%				A203	33%	100%	B46	18%	100%
			B3901	4%	100%				B3901	33%	100%	A2	14%	100%
			B42	4%	100%				Cw5	33%	100%	B15	11%	100%
			B46	4%	100%				A2403	30%	100%	Cw14	11%	100%
			B5	4%	100%				A33	30%	100%	Cw15	11%	100%
			B52	4%	100%				B2705	26%	100%	A10	7%	100%
			B57	4%	100%				B7801	26%	100%	A19	7%	100%
			B7	4%	100%				Bw4	26%	100%	A28	7%	100%
			Bw4	4%	100%				B14	18%	100%	B22	7%	100%
			Bw6	4%	100%				B15	19%	100%	B5	7%	100%
			Cw12	4%	100%				B8201	19%	100%	B8C	7%	100%
			Cw17	4%	100%				B17	11%	100%	Cw7	7%	100%
									B48	11%	100%	A10C	4%	100%
									B70	11%	100%	A11	4%	100%
									A28	7%	100%	A1101	4%	100%
									A2C	7%	100%	A1102	4%	100%
									B12	7%	100%	A1C	4%	100%
									B21	7%	100%	A3	4%	100%
									B22	7%	100%	B16	4%	100%
									B5	7%	100%	B3902	4%	100%
									B5C	7%	100%	B56	4%	100%
									Bw6	7%	100%	B70	4%	100%
									B12C	4%	100%	Bw4	4%	100%
									B16	4%	100%	Bw6	4%	100%
									B3902	4%	100%	Cw4	4%	100%
									B7C	4%	100%			
									B8C	4%	100%			
									Cw8	4%	100%			

Table 6. Summary of the 591st Serum Exchange (Serum #1362-1366) by PRA - class II

Method: Luminex - PRA														
*** Serum 1362 ***			*** Serum 1363 ***			*** Serum 1364 ***			*** Serum 1365 ***			*** Serum 1366 ***		
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
DQ5	100%	100%	DQ4	67%	100%	DR1	100%	100%	DR52	100%	100%	DR1	100%	100%
DQ6	100%	100%	DQ7	67%	100%	DR10	100%	100%	DQ2	67%	100%	DR10	100%	100%
DQ4	33%	100%	DQ8	67%	100%	DR103	100%	100%	DR11	67%	100%	DR103	100%	100%
DR51	33%	100%	DQ9	67%	100%	DR4	100%	100%	DR13	67%	100%	DR51	100%	100%
			DR7	67%	100%	DR9	100%	100%	DR14	67%	100%	DR9	67%	100%
			DQ2	33%	100%	DR15	67%	100%	DR17	67%	100%	DQ9	33%	100%
			DQ5	33%	100%	DR16	67%	100%	DR18	67%	100%	DR12	33%	100%
			DR1	33%	100%	DR51	67%	100%	DQ6	33%	100%	DR15	33%	100%
			DR103	33%	100%	DR53	67%	100%	DR12	33%	100%	DR16	33%	100%
			DR12	33%	100%	DR7	67%	100%	DR15	33%	100%			
			DR13	33%	100%	DQ7	33%	100%	DR16	33%	100%			
			DR14	33%	100%	DQ8	33%	100%	DR51	33%	100%			
			DR17	33%	100%	DQ9	33%	100%	DR53	33%	100%			
			DR18	33%	100%				DR7	33%	100%			
			DR51	33%	100%				DR8	33%	100%			
			DR52	33%	100%									
			DR53	33%	100%									
			DR8	33%	100%									
			DR9	33%	100%									

Table 7. Summary of the 591st Serum Exchange (Serum #1362-1366) by Single Antigen - class II

Method: Luminex-SAB

*** Serum 1362 ***
27 typing Labs

Antigen	Consensus	Inclusion
DQ4	100%	100%
DQ5	100%	100%
DQ6	100%	100%
DQA1*01	52%	100%
DQ8	41%	100%
DQ9	41%	100%
DQA1*03	26%	100%
DQ1	7%	100%
DQA1*04	7%	100%
DR4	7%	100%
DR52	7%	100%
DP18	4%	100%
DP28	4%	100%
DPw3	4%	100%
DPw4	4%	100%
DQ2	4%	100%
DQ3	4%	100%
DQ7	4%	100%
DQA1*02	4%	100%
DR13	4%	100%
DR1403	4%	100%
DR15	4%	100%
DR17	4%	100%
DR18	4%	100%
DR2	4%	100%
DR3	4%	100%
DR51	4%	100%
DR53	4%	100%
DR6	4%	100%

*** Serum 1363 ***
27 typing Labs

Antigen	Consensus	Inclusion
DP11	100%	100%
DPw1	100%	100%
DPw3	100%	100%
DPw5	100%	100%
DPw6	100%	100%
DQ2	100%	100%
DQ4	100%	100%
DP13	93%	100%
DP19	96%	100%
DQ7	96%	100%
DQ9	96%	100%
DP18	93%	100%
DQ8	93%	100%
DP14	89%	100%
DP15	89%	100%
DP17	89%	100%
DP9	89%	100%
DR7	85%	100%
DPA1*04	70%	100%
DQ5	70%	100%
DP10	63%	100%
DP20	63%	100%
DQA1*05	63%	100%
DQA1*06	63%	100%
DP28	59%	100%
DPA1*02	59%	100%
DQ6	59%	100%
DQA1*02	56%	100%
DQA1*03	56%	100%
DQA1*04	56%	100%
DPA1*03	33%	100%
DPA1*01	22%	100%
DP85	15%	100%
DQ3	15%	100%
DPw4	11%	100%

*** Serum 1364 ***
27 typing Labs

Antigen	Consensus	Inclusion
DQ7	100%	100%
DR1	100%	100%
DR10	100%	100%
DR103	100%	100%
DR4	100%	100%
DR51	100%	100%
DR53	100%	100%
DR9	100%	100%
DQ8	96%	100%
DQ9	96%	100%
DP17	70%	100%
DP9	70%	100%
DPw6	70%	100%
DPw3	59%	100%
DR7	59%	100%
DP14	56%	100%
DP20	48%	100%
DR14	44%	100%
DQA1*06	33%	100%
DQA1*05	30%	100%
DQA1*03	26%	100%
DQ3	15%	100%
DPA1*02	4%	100%
DPA1*03	4%	100%
DQA1*02	4%	100%

*** Serum 1365 ***
26 typing Labs

Antigen	Consensus	Inclusion
DP18	100%	100%
DP28	100%	100%
DPw2	100%	100%
DPw3	100%	100%
DPw6	100%	100%
DQ2	100%	100%
DR11	100%	100%
DR13	100%	100%
DR14	100%	100%
DR52	100%	100%
DR7	96%	100%
DP17	96%	100%
DR17	96%	100%
DR18	96%	100%
DP14	82%	100%
DP9	82%	100%
DPw4	75%	100%
DP20	68%	100%
DP10	64%	100%
DP402	29%	100%
DPA1*04	29%	100%
DPA1*01	21%	100%
DR1403	21%	100%
DQA1*05	18%	100%
DPA1*02	14%	100%
DR3	14%	100%
DPA1*03	7%	100%
DQA1*04	7%	100%
DR5	7%	100%
DR6	7%	100%
DP105	4%	100%
DQA1*01	4%	100%
DQA1*02	4%	100%
DQA1*03	4%	100%
DR10	4%	100%

*** Serum 1366 ***
27 typing Labs

Antigen	Consensus	Inclusion
DR1	100%	100%
DR10	100%	100%
DR103	100%	100%
DR51	100%	100%
DR9	100%	100%
DR12	67%	100%
DR14	15%	100%
DR1403	4%	100%
DR18	4%	100%

Table 8. Individual laboratory results for Serum #1362 - 1366 by NIH-Standard - class I

| Ctr | **** Serum 1362 **** | | | | **** Serum 1363 **** | | | | **** Serum 1364 **** | | | | **** Serum 1365 **** | | | | **** Serum 1366 **** | | | | | Method |
	% POS			Other	% POS			Other	% POS			Other	% POS	A2	A68	Other	% POS	B14	B18		Other	
786	NT				NT				NT					+	+			+	+			STD

Table 9. Individual laboratory results for Serum #1362 - 1366 by Antiglobulin - class I

| Ctr | **** Serum 1362 **** | | | | **** Serum 1363 **** | | | | **** Serum 1364 **** | | | | **** Serum 1365 **** | | | | **** Serum 1366 **** | | | | | Method |
	% POS			Other	% POS			Other	% POS			Other	% POS	A2	A68	Other	% POS	B14	B18	B8	Other	
786	NT				NT				NT					+	+			+	+	+		Antiglobulin

Table 10. Individual laboratory results for Serum #1362 - 1366 by C1q - class I

Ctr	**** Serum 1362 ****				**** Serum 1363 ****			**** Serum 1364 ****				**** Serum 1365 ****				**** Serum 1366 ****													Method
	% POS	A1	A36	Other	% POS	A1	Other	% POS	B8	Cw5	Other	% POS	A2	A68	Other	% POS	A33	B18	B38	B3901	B51	B54	B64	B65	B7801	B8	Cw5	Other	
786		+	+			+			+	+			+	+			+	+	+	+	+	+	+	+	+	+	+		C1q

Table 11. Individual laboratory results for Serum #1362 - 1366 by PRA - class I

**** Serum 1362 **** / **** Serum 1363 ****

Ctr	% POS	A1	A11	A26	A29	A3	A36	A66	A25	A24	A34	Other	% POS	A1	A11	A25	A26	A34	A36	A66	A23	A80	B18	B64	B65	B73	B78	A24	B27	B42	Other	Method
3753		+	+	+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+	+			+	+					LMX-PRA
4079	41	+	+	+	+	+	+	+					61	+	+	+	+	+	+	+				+	+							LMX-PRA
8135	48	+	+	+	+	+	+	+	+	+			64	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7,B63,B57,B58 >	LMX-PRA

**** Serum 1364 **** / **** Serum 1365 ****

Ctr	% POS	B59	B8	B64	B65					Other	% POS	A2	A68	A69	A23	A24	B18	B52	B54	B55	B56	B57	B58	B64	B65	B71	B72	B78	Other	Method
3753		+	+									+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	B62,B49,B13,B47 >	LMX-PRA
4079	11	+	+	+	+						93	+	+	+	+	+														LMX-PRA
8135	11	+	+								91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B51,B67,A1 >	LMX-PRA

**** Serum 1366 ****

Ctr	% POS	B18	B64	B65	B8	A33	A34	A68	B38	B39	B42	B51	B52	B54	B55	B59	B67	B78								Other	Method
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								A66,A25,A26,A69 >	LMX-PRA
4079	64	+	+	+	+																						LMX-PRA
8135	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								A11,A30,Cw7	LMX-PRA

Table 12. Individual laboratory results for Serum #1362 by Single Antigen - class I

Ctr	% POS	A1	A26	A29	A3	A36	A43	A80	A11	A25	A66	A34	B63	A24	A6601	A1101	A1102	Other	Method
										**** Serum 1362 ****									
230		+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
716	10	+	+	+	+	+	+	+	+							+	+		LMX-SAB
725		+	+	+	+	+	+	+	+	+	+		+						LMX-SAB
786		+	+	+	+	+	+	+		+		+	+	+	+	+	+	A2403	LMX-SAB
910		+	+	+	+	+	+	+	+	+								A*66:01	LMX-SAB
2400		+	+	+	+	+	+	+	+										LMX-SAB
3224	12	+	+	+	+	+	+	+	+	+					+				LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
3766	62	+	+	+	+	+	+	+	+		+				+	+	+		LMX-SAB
3808	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2403,A6602	LMX-SAB
3966	14	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2403,A6602	LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+			+	+	+		LMX-SAB
5219	11	+	+	+	+	+	+	+	+	+	+	+			+	+	+	A10,A19,A1C,A10C	LMX-SAB
5462		+	+	+	+	+	+	+	+										LMX-SAB
6649	11	+	+	+	+	+	+	+	+										LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+		+				LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+				B*07:14(B7), A*30:02(A30)	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+			+				LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,A30,A2403,A6602	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+			+				LMX-SAB
8121	15	+	+	+	+	+	+	+	+	+	+	+	+	+				A9,B15,A10,B78 >	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+				B7,A30	LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+				B7,A30	LMX-SAB
8133		+	+	+	+	+	+	+	+										LMX-SAB
8134		+	+	+	+	+	+	+	+	+	+	+	+					Cw6,B78,B51,A33 >	LMX-SAB
8135	12	+	+	+	+	+	+	+	+	+	+								LMX-SAB

Table 13. Individual laboratory results for Serum #1363 - 1364 by Single Antigen - class I

		**** Serum 1363 ****																															**** Serum 1364 ****									
Ctr	% POS	A23	A25	A26	A34	A36	A80	B73	A1	A11	A43	B18	B76	Cw6	A33	A66	B64	Cw18	A24	B65	Cw7	B51	B78	B37	B8	Cw4	A68	A1101	A1102	A6601	Other	% POS	B59	B8	Cw5	Cw15	Cw2	Cw8	Cw17	Other	Method
230		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	+	+	+	A2,Cw16	LMX-SAB
716	26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+			+	+		Bw4,Bw6	3	+	+	+					Bw4,Bw6	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										+	+	+			+			LMX-SAB
786		+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+		+	B72,Cw18	LMX-SAB
910			+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+		+	+	+							A*24:02, A*33:01. A*66:01. B*51:02		+	+	+	+	+				LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+								+	+	+	+				LMX-SAB
3224	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+						A*24:02, B*51:01	6	+	+	+	+			+		LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+			+				A*24:02		+	+	+						LMX-SAB
3766	87	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	B7801, A*24:02, A*33:01, B*51:01	45	+	+	+	+	+		+		LMX-SAB
3808	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+			4	+	+	+			+			LMX-SAB
3966	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					6	+	+	+	+	+				LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	B14,A2403,A6602		+	+	+			+			LMX-SAB
4322		+	+	+	+	+	+	+		+	+	+			+	+		+		+	+	+	+	+	+		+	+	+	B15,B14,B7801		+	+	+					B15,B37	LMX-SAB
5219	6	+	+	+	+	+	+	+	+			+			+			+								+	+	+	A9,B15,A10,A1C	4	+	+	+			+			LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						A*24:02, B*51:01		+	+	+	+	+				LMX-SAB
6649	27	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+					5	+	+	+	+	+				LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+	+	+						LMX-SAB
8090			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			A*02:18(A2), Cw16		+	+	+	+	+	+	+		LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					+			+	+	+		+			LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	+	+	+				LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	B15,B14,A6602		+	+	+	+			+	B37,Cw18	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+	+	+	+	+			LMX-SAB
8121	11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+			+	+		A9,B15,A10,B5 >	4	+	+	+			+			LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+	+	+	Cw6,A2		LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+	+	+	A2,Cw16		LMX-SAB
8133		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				B52,A29,A32,A69 >		+	+	+	+	+	B37			LMX-SAB
8134		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+					+	+	+			+			LMX-SAB
8135	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			5	+	+	+	+	+				LMX-SAB

Table 14. Individual laboratory results for Serum #1365 by Single Antigen - class I

Ctr	% POS	A2	A68	A69	B18	B27	B35	B37	B44	B45	B47	B49	B50	B51	B53	B54	B55	B56	B57	B58	B67	B13	B38	B46	B52	B59	B62	B63	B64	B65	B71	B72	B75	B76	B77	B78	B82	A24	A39	B2708	A23	B73	A203	B3901	Cw5	A2403	A33
230		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+			+		+
716	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+		+	+	
725			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+		+		
786			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+	+		+	+	+	+
910			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										
2400			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										
3224	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		
3753			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+					
3766	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+
3808			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+			+		
3966	52	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+								+
4079			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+		+		
4322			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	+	+	+	+	+	+	+			+				+		+
5219	45	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+			+	
5462			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+								
6649	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										
8082			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		+
8090	NT																																														
8098			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+		+		
8100			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+		+		+
8103			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+	+
8112			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									
8121	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+	+	+	+	+	+	+	+	+				+	+				
8125			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								
8128			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+			+
8133			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+									
8134			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+		+		
8135	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		

Table 14. Individual laboratory results for Serum #1365 by Single Antigen - class I, cont.

Ctr	% POS	B2705	B7801	Bw4	Other	Method
			**** Serum 1365 ****			
230				+	B48,Cw8	LMX-SAB
716	47	+		+	Bw6,B8201	LMX-SAB
725						LMX-SAB
786			+		B8201	LMX-SAB
910						LMX-SAB
2400						LMX-SAB
3224	52			+	A*33:01	LMX-SAB
3753					Bw4	LMX-SAB
3766	95	+	+		B8201	LMX-SAB
3808		+	+			LMX-SAB
3966	52					LMX-SAB
4079		+	+		B15,B70,B14,B17 >	LMX-SAB
4322		+	+		B15,B14,B8201	LMX-SAB
5219	45	+	+	+	B15,B70,B21,B5 >	LMX-SAB
5462					Bw4	LMX-SAB
6649	51			+		LMX-SAB
8082				+		LMX-SAB
8090						LMX-SAB
8098						LMX-SAB
8100					B5C,A2C	LMX-SAB
8103		+	+		B15,B14,B8201	LMX-SAB
8112						LMX-SAB
8121	31				B15,B70,B21,B5 >	LMX-SAB
8125					B48	LMX-SAB
8128					B48	LMX-SAB
8133			+			LMX-SAB
8134						LMX-SAB
8135	53					LMX-SAB

Table 15. Individual laboratory results for Serum #1366 by Single Antigen - class I

| | | **** Serum 1366 **** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Ctr	% POS	A33	A34	A68	A69	B18	B42	B54	B55	B73	B8	Cw5	A25	A66	B38	B51	B52	B64	B65	B78	B37	B41	B59	B67	B77	A26	B75	B39	Cw1	B35	B71	Cw12	B53	Cw16	Cw18	Cw6	B3901	Cw8	A6601	A6602	B7801	Other	Method
230		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+			+				A2,B56,B46,Cw14	LMX-SAB
716	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		+		+	+		Bw4,Bw6	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+							+		+				LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+		+	+	+	Cw15	LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+												LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+												LMX-SAB
3224	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+												B46	LMX-SAB
3766	89	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+				+		+	+	+			LMX-SAB
3808	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+					+	+	+	+			LMX-SAB
3966	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+				LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+	+	+	+	A11,A3,B14,A1101 >	LMX-SAB
4322		+	+	+	+	+	+	+	+		+	+		+	+	+	+		+		+	+		+	+	+	+		+	+		+	B15,B14	LMX-SAB
5219	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+		+			+	+	+	+	+	B15,B70,A10,B5 >	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+				LMX-SAB
6649	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				B46,Cw15	LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		A*02:18(A2),Cw14	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			B8C,A1C	LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	B15,B14,B46,Cw15	LMX-SAB
8112		+	+	+	+	+	+	+	+		+		+	+	+		+				+			+	+		+		+	+	+	Cw7	LMX-SAB
8121	19	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+									+	+	A10,B5,B22,A19 >	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		+	A2	LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	Cw4,A2,B46,Cw7 >	LMX-SAB
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
8134		+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+	LMX-SAB
8135	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB

Table 16. Individual laboratory results for Serum #1362 - 1366 by PRA - class II

Ctr	% POS	DQ5	DQ6	DQ4	DR51					Other	% POS	DQ4	DQ7	DQ8	DQ9	DR7	DQ2	DQ5	DR1	DR103	DR12	Other	Method
																						**** Serum 1363 ****	
4079	51	+	+								94												LMX-PRA
8135	63	+	+		+						94	+	+	+	+	+			+	+	+	DR8,DR9,DR13,DR14 >	LMX-PRA
3753		+	+	+								+	+	+	+	+	+	+					LMX-PRA

(Serum 1362 / Serum 1363)

Ctr	% POS	DR1	DR10	DR103	DR4	DR9	DR15	DR16	DR51	DR53	DR7	Other	% POS	DR52	DQ2	DR11	DR13	DR14	DR17	DR18	DQ6	DR12	DR15	Other	Method
4079	80	+	+	+	+	+	+	+			+		91	+											LMX-PRA
8135	80	+	+	+	+	+	+	+	+	+	+		91	+	+	+	+	+	+	+	+	+	+	DR8,DR16,DR51,DR53	LMX-PRA
3753		+	+	+	+	+			+	+		DQ7,DQ8,DQ9		+	+	+	+	+	+	+				DR7	LMX-PRA

(Serum 1364 / Serum 1365)

Ctr	% POS	DR1	DR10	DR103	DR51	DR9	DQ9	DR12	DR15	DR16	Other
											**** Serum 1366 ****
4079	51	+	+	+	+	+					
8135	51	+	+	+	+		+		+	+	
3753		+	+	+	+	+		+			

Table 17. Individual laboratory results for Serum #1362 by Single Antigen - class II

									**** Serum 1362 ****	
Ctr	% POS	DQ4	DQ5	DQ6	DQA1*01	DQ8	DQ9	DQA1*03	Other	Method
230		+	+	+		+	+			LMX-SAB
716	13	+	+	+	+			+	DQA1*02,DQA1*04	LMX-SAB
725		+	+	+	+					LMX-SAB
910		+	+	+					DRB3*03:01	LMX-SAB
2400		+	+	+						LMX-SAB
3224	13	+	+	+	+					LMX-SAB
3753		+	+	+		+	+			LMX-SAB
3766	67	+	+	+						LMX-SAB
3808	17	+	+	+	+					LMX-SAB
3966	17	+	+	+	+		+	+		LMX-SAB
4079		+	+	+		+	+			LMX-SAB
4322		+	+	+	+			+	DQA1*04	LMX-SAB
5219	17	+	+	+	+				DQ1	LMX-SAB
5462		+	+	+						LMX-SAB
6649	13	+	+	+						LMX-SAB
8082		+	+	+	+		+	+		LMX-SAB
8090		+	+	+	+	+		+		LMX-SAB
8098		+	+	+	+					LMX-SAB
8100		+	+	+	+	+	+		DR4,DR52	LMX-SAB
8103		+	+	+	+			+		LMX-SAB
8112		+	+	+		+	+		DR4,DR52	LMX-SAB
8121	20	+	+	+		+	+		DR2,DR3,DR6,DR13 >	LMX-SAB
8125		+	+	+	+	+	+	+		LMX-SAB
8128		+	+	+		+	+			LMX-SAB
8133		+	+	+	+					LMX-SAB
8134		+	+	+		+	+			LMX-SAB
8135	14	+	+	+		+				LMX-SAB

Table 18. Individual laboratory results for Serum #1363 by Single Antigen - class II

		**** Serum 1363 ****																																	
Ctr	% POS	DP11	DPw1	DPw3	DPw5	DPw6	DQ2	DQ4	DP13	DP19	DQ7	DQ9	DP18	DQ8	DP14	DP15	DP17	DP9	DR7	DPA1*04	DQ5	DP10	DP20	DQA1*05	DQA1*06	DP28	DPA1*02	DQ6	DQA1*02	DQA1*03	DQA1*04	DPA1*03	DPA1*01	Other	Method
230		+	+	+	+	+	+	+	+	+	+	+	+	+					+		+			+	+									DP85	LMX-SAB
716	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQA1*01	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+		+	+	+					LMX-SAB
910		+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+		+	+												DQB1*05:01, DPA1*02:01, DPA1*04:01	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+			+		+				LMX-SAB
3224	48	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+			+	+	+	+		DQB1*05:01, DQB1*06:01	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																DQB1*06:01	LMX-SAB
3766	86	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								+								LMX-SAB
3808	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+		+	+	+				LMX-SAB
3966	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
4079		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+		+	+	+					LMX-SAB
4322		+	+	+	+	+	+	+	+			+			+	+	+	+	+	+	+	+	+		+	+	+			+	+	+	+	+	DQ3,DQA1*01	LMX-SAB
5219	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+		+		+	+	+				DQ3	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			+									DQB1*05:01	LMX-SAB
6649	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			+		+								LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR9,DR12,DR15,DPw4 >	LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DP26,DP105,DP31,DP30, DQB1*05:01(DQ5), DQB1*06:01(DQ6) >	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+	+		+	+	+					LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR51	LMX-SAB
8103		+	+	+	+	+	+			+	+	+								+	+			+	+		+	+	+	+	+	+	+	+	DQ3	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+		+								LMX-SAB
8121	47	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+		+					+		+						DR1403,DQ1,DQ3,DPw4	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+		+	+		+		+	+		+	+		DP85	LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+							DR51,DP26,DP105,DP31 >	LMX-SAB
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+				LMX-SAB
8134		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	+						DPw4	LMX-SAB
8135	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			+		+								LMX-SAB

Table 19. Individual laboratory results for Serum #1364 by Single Antigen - class II

Ctr	% POS	DQ7	DR1	DR10	DR103	DR4	DR51	DR53	DR9	DQ8	DQ9	DP17	DP9	DPw6	DPw3	DR7	DP14	DP20	DR14	DQA1*06	DQA1*05	DQA1*03	Other	Method
230		+	+	+	+	+	+	+	+	+	+	+	+	+		+								LMX-SAB
716	25	+	+	+	+	+	+	+	+	+	+									+	+	+	DQA1*02	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX-SAB
910		+	+	+	+	+	+	+	+	+	+												DRB1*14:02	LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+													LMX-SAB
3224	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DRB1*14:02	LMX-SAB
3753			+	+	+	+	+	+	+	+	+	+	+	+	+	+		+					DRB1*14:02	LMX-SAB
3766	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				DRB1*14:02	LMX-SAB
3808	24	+	+	+	+	+	+	+	+	+	+													LMX-SAB
3966	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		LMX-SAB
4079			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
4322			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQ3,DPA1*02,DPA1*03	LMX-SAB
5219	19	+	+	+	+	+	+	+	+	+	+												DQ3	LMX-SAB
5462			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DRB1*14:02	LMX-SAB
6649	38	+	+	+	+	+	+	+	+	+	+								+					LMX-SAB
8082			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB
8090			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DRB1*14:02	LMX-SAB
8098			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
8100			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
8103			+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	DQ3	LMX-SAB
8112			+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+					LMX-SAB
8121	14	+	+	+	+	+	+	+	+														DQ3	LMX-SAB
8125			+	+	+	+	+	+	+	+	+	+	+	+						+	+	+		LMX-SAB
8128			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
8133			+	+	+	+	+	+	+	+	+									+	+			LMX-SAB
8134			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB
8135	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB

Table 20. Individual laboratory results for Serum #1365 by Single Antigen - class II

Ctr	% POS	DP18	DP28	DPw2	DPw3	DPw6	DQ2	DR11	DR13	DR14	DR52	DR7	DP17	DR17	DR18	DP14	DP9	DPw4	DP20	DP10	DP402	DPA1*04	DPA1*01	DR1403	Other	Method
230		+	+	+	+	+	+	+	+	+	+	+		+	+			+	+	+						LMX-SAB
716	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		DR10,DPA1*02,DPA1*03,DQA1*02 >	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX-SAB
910			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
2400			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
3224	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+					LMX-SAB
3753			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+					LMX-SAB
3766	74	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
3808	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+			+		LMX-SAB
3966	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		DQA1*01	LMX-SAB
4079			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		LMX-SAB
4322			+	+	+	+	+	+	+	+	+	+			+	+	+	+	+			+	+		DR3,DPA1*02,DPA1*03,DQA1*04 >	LMX-SAB
5219	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+			+	DR3,DR5,DR6	LMX-SAB
5462			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DPB1*04:02	LMX-SAB
6649	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
8082			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		DPA1*02,DQA1*05	LMX-SAB
8090	NT																									LMX-SAB
8098			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		LMX-SAB
8100			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				LMX-SAB
8103			+	+	+	+	+	+	+	+	+	+		+				+	+	+	+	+	+		DR3,DQA1*05	LMX-SAB
8112			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB
8121	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+	DR3,DR5,DR6	LMX-SAB
8125			+	+	+	+	+	+	+	+			+		+			+	+	+		+	+		DPA1*02,DQA1*05	LMX-SAB
8128			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DR16,DP105	LMX-SAB
8133			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX-SAB
8134			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						+		LMX-SAB
8135	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB

Table 21. Individual laboratory results for Serum #1366 by Single Antigen - class II

Ctr	% POS	DR1	DR10	DR103	DR51	DR9	DR12	Other	Method
				**** Serum 1366 ****					
230		+	+	+	+	+	+		LMX-SAB
716	8	+	+	+	+	+			LMX-SAB
725		+	+	+	+	+	+		LMX-SAB
910		+	+	+	+	+	+		LMX-SAB
2400		+	+	+	+	+			LMX-SAB
3224	10	+	+	+	+	+	+		LMX-SAB
3753		+	+	+	+	+	+		LMX-SAB
3766	44	+	+	+	+	+			LMX-SAB
3808	7	+	+	+	+	+			LMX-SAB
3966	11	+	+	+	+	+	+		LMX-SAB
4079		+	+	+	+	+	+		LMX-SAB
4322		+	+	+	+	+	+	DR14	LMX-SAB
5219	5	+	+	+	+	+			LMX-SAB
5462		+	+	+	+	+	+		LMX-SAB
6649	8	+	+	+	+	+			LMX-SAB
8082		+	+	+	+	+	+	DR14	LMX-SAB
8090		+	+	+	+	+	+	DRB1*14:02(DR14)	LMX-SAB
8098		+	+	+	+	+	+		LMX-SAB
8100		+	+	+	+	+	+		LMX-SAB
8103		+	+	+	+	+	+		LMX-SAB
8112		+	+	+	+	+			LMX-SAB
8121	3	+	+	+	+	+			LMX-SAB
8125		+	+	+	+	+	+		LMX-SAB
8128		+	+	+	+	+	+		LMX-SAB
8133		+	+	+	+	+			LMX-SAB
8134		+	+	+	+	+	+	DR1403,DR18	LMX-SAB
8135	12	+	+	+	+	+	+	DR14	LMX-SAB