

UCLA INTERNATIONAL HLA DNA EXCHANGE—120TH SUMMARY



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DNA Sample

#741	#744
#742	#745
#743	#746

DNA #741 BLACK

The consensus type for this sample from a Black donor is A*03:01-B*07:02-B*41:02-C*07:02-C*17:03-DRB1*13:02-DRB1*13:03-DRB3*01:01-DRB3*03:01-DQA1*01:02-DQA1*05:05-DQB1*03:01-DQB1*06:04-DPB1*04:01-DPA1*01:03.

This sample was previously sent in Exchange #43 as DNA #277 (2000). In 2000, C*17:01 was detected by 72%. In this present retyping, C*17:03 was detected by 93% of labs reporting at high resolution. C*17:03 was recognized in 1999. According to *Human leukocyte antigen-A, -B, and -Cw polymorphism in a Berber population from North Morocco using sequence-based typing*, C*17:03 is commonly identified in people of African descent and infrequently identified in all other populations (Piancatelli, et al. Tissue Antigens 2004;63(2):158-72). Additionally, C*17:03 is often associated with B*41:02, as is found in this sample. The B*41:02-C*17:03 association was seen in another DNA Exchange sample (sent as DNA #108) from Caucasian origins.

The results for DNA #741 are summarized in Table 1 and individual laboratory results are listed in Table 7.

DNA #742

The consensus type for this sample is A*03:01-A*32:01-B*37:01-B*57:01-C*06:02-DRB1*07:01-DRB1*10:01-DRB4*01:03-DQA1*01:05-DQA1*02:01-DQB1*02:02-DQB1*05:01-DPB1*02:01-DPB1*04:01-DPA1*01:03.

This sample was previously sent in Exchange #52 as DNA #334 (2002).

The results for DNA #742 are summarized in Table 2 and individual laboratory results are listed in Table 8.

DNA #743 HISPANIC

The consensus type for this sample from a Hispanic donor is A*24:02-A*33:01-B*14:02-B*35:01-C*04:01-C*08:02-DRB1*11:01-DRB1*14:02-DRB3*01:01-DRB3*02:02-DQA1*05:03-DQA1*05:05-DQB1*03:01-DPB1*04:02-DPB1*126:01-DPA1*01:03.

DPB1*126:01 was detected once previously in DNA Exchange #119 in DNA #736. DNA #736 and the reference sample noted on the IMGT/HLA website's Allele Report for DPB1*126:01 were both from Black individuals; however, this sample is from a Hispanic individual.

Seven labs incorrectly identified DPB1*126:01 as DPB1*04:01. DPB1*126:01 differs from DPB1*04:01 in exon 3 at codon 178 (CTG->ATG), resulting in an amino acid change (Leu->Met).

The results for DNA #743 are summarized in Table 3 and individual laboratory results are listed in Table 9.

**DNA Sample**

#741	#744
#742	#745
#743	#746

DNA #744 ASIAN

The consensus type for this sample from an Asian donor is A*02:01-A*33:03-B*44:03-B*57:01-C*07:01-C*07:06-DRB1*07:01-DRB4*01:03-DRB4*01:03N-DQA1*02:01-DQB1*02:02-DQB1*03:03-DPB1*04:01-DPB1*104:01-DPA1*01:03.

The results for DNA #744 are summarized in Table 4 and individual laboratory results are listed in Table 10.

DNA #745 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A*02:01-A*03:01-B*35:01-B*44:02-C*04:01-C*05:01-DRB1*03:01-DRB1*04:01-DRB3*01:01-DRB4*01:03-DQA1*03:03-DQA1*05:01-DQB1*02:01-DQB1*03:01-DPB1*04:01-DPA1*01:03.

The results for DNA #745 are summarized in Table 5 and individual laboratory results are listed in Table 11.

DNA #746 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*24:02-B*15:03-B*51:02-C*02:10-C*08:01-DRB1*01:02-DRB1*14:02-DRB3*01:01-DQA1*01:01-DQA1*05:03-DQB1*03:01-DQB1*05:01-DPB1*01:01-DPB1*04:01-DPA1*01:03-DPA1*02:01.

The results for DNA #746 are summarized in Table 6 and individual laboratory results are listed in Table 12.

Table 3. Summary of the 120th DNA Exchange (DNA #743)

A				B				C			
128 labs		% (n)		127 labs		% (n)		114 labs		% (n)	
A*24:02:01	2 (2)	A*33:01:01	6 (8)	B*14:02:01	7 (9)	B*35:01:01	2 (3)	C*04:01:01	3 (3)	C*08:02:01	4 (5)
A*24:02:01G	3 (4)	A*33:01	57 (73)	B*14:02	57 (73)	B*35:01:01G	4 (5)	C*04:01:01G	6 (7)	C*08:02:01G	3 (3)
A*24:02	55 (71)	A*33:01+	4 (5)	B*14:01	1 (1)	B*35:01P	3 (4)	C*04:01P	3 (3)	C*08:02	60 (68)
A*24:02+	4 (5)	A*33	33 (42)	B*14:02+	3 (4)	B*35:01	43 (55)	C*04:01	48 (55)	C*08:02+	2 (2)
A*24	36 (46)			B*14	31 (40)	B*35:01+	10 (13)	C*04:01+	5 (6)	C*08	32 (36)
						B*35	37 (47)	C*04	35 (40)		

DRB1				DRB3/4/5				DQA1			
129 labs		% (n)		74 labs		% (n)		62 labs		% (n)	
DRB1*11:01:01	5 (6)	DRB1*14:02	71 (91)	DRB3*01:01:02:01	1 (1)	<i>DRB3*01:01:02:01</i>	1 (1)	DQA1*05:01:01G	3 (2)	DQA1*05:01:01G	3 (2)
DRB1*11:01:01G	3 (4)	DRB1*14:02+	2 (3)	DRB3*01:01:02	1 (1)	DRB3*02:02:01	1 (1)	DQA1*05:01P	2 (1)	DQA1*05:01P	3 (2)
DRB1*11:01P	4 (5)	DRB1*14	26 (33)	DRB3*01:01:02G	3 (2)	DRB3*02:02:01G	8 (6)	DQA1*05:03	32 (20)	DQA1*05:05	21 (13)
DRB1*11:01	47 (61)	<i>DRB1*13</i>	1 (1)	DRB3*01:01	51 (38)	DRB3*02:02P	3 (2)	DQA1*05:03+	19 (12)	<i>DQA1*05:01</i>	6 (4)
DRB1*11:01+	9 (12)	<i>DRB1*44</i>	1 (1)	<i>DRB3*01:04</i>	1 (1)	DRB3*02:02	32 (24)	<i>DQA1*05:01+</i>	2 (1)	<i>DQA1*05:03</i>	2 (1)
DRB1*11	32 (41)			<i>DRB4*01:01</i>	1 (1)	<i>DRB3*01:01</i>	1 (1)	DQA1*05	42 (26)	<i>DQA1*05:10</i>	2 (1)
				DRB3*01:01+	4 (3)	<i>DRB3*01:07</i>	1 (1)			<i>DQA1*04:01</i>	2 (1)
				DRB3*01	19 (14)	<i>DRB4*02:02</i>	1 (1)			DQA1*05:05+	48 (30)
				<i>DRB3*02</i>	1 (1)	DRB3*02:02+	3 (2)			DQA1*05	13 (8)
				DRB3*Present	16 (12)	<i>DRB3*01:01+</i>	1 (1)				
						DRB3*02	30 (22)				
						DRB3*Present	16 (12)				

DQB1				DPB1				DPA1			
117 labs		% (n)		53 labs		% (n)		25 labs		% (n)	
DQB1*03:01:01	4 (5)			DPB1*04:02:01	2 (1)	DPB1*04:01:01G	6 (3)	DPA1*01:03:01G	4 (1)		
DQB1*03:01:01G	2 (2)			DPB1*04:02:01G	4 (2)	DPB1*04:01P	9 (5)	DPA1*01:03	4 (1)		
DQB1*03:01	59 (69)			DPB1*04:02P	4 (2)	DPB1*126:01	47 (25)	DPA1*01:03+	72 (18)		
DQB1*03:01+	4 (5)			DPB1*04:02	74 (39)	<i>DPB1*04:01</i>	13 (7)	DPA1*01	20 (5)		
DQB1*03	31 (36)			<i>DPB1*04:01</i>	2 (1)	<i>DPB1*82:01</i>	2 (1)				
				DPB1*04:02+	4 (2)	DPB1*126:01+	9 (5)				
				DPB1*04	11 (6)	DPB1*126	11 (6)				
						<i>DPB1*04</i>	2 (1)				

Table 4. Summary of the 120th DNA Exchange (DNA #744)

A				B				C			
118 labs		% (n)		118 labs		% (n)		104 labs		% (n)	
A*02:01:01	4 (5)	A*33:03:01	7 (8)	B*44:03:02	10 (12)	B*57:01:01	8 (9)	C*07:01:01	5 (5)	C*07:01:01	1 (1)
A*02:01:01G	4 (5)	A*33:03:01G	2 (2)	B*44:03	52 (61)	B*57:01:01G	3 (4)	C*07:01:01G	14 (15)	C*07:01:01G	12 (12)
A*02:01P	1 (1)	A*33:03P	1 (1)	B*44:02	2 (2)	B*57:01	53 (62)	C*07:01P	5 (5)	C*07:01P	4 (4)
A*02:01	50 (59)	A*33:03	48 (57)	B*44:03+	2 (2)	B*57:01+	3 (3)	C*07:01	26 (27)	C*07:06	35 (36)
A*02:01+	3 (3)	A*33:01	3 (4)	B*44:02+	1 (1)	B*57	34 (40)	C*07:06	1 (1)	C*07:01	7 (7)
A*02	37 (44)	A*33:03+	2 (2)	B*44	34 (40)			C*07:01+	10 (10)	C*07:06+	6 (6)
A*23	1 (1)	A*33	37 (44)					C*07	39 (41)	C*07:01+	1 (1)
										C*07	36 (37)

DRB1			DRB3/4/5			DQA1		
119 labs		% (n)	69 labs		% (n)	57 labs		% (n)
DRB1*07:01:01	6 (7)		DRB4*01:03:01:02N	1 (1)	DRB4*01:03:01:02N	17 (12)	DQA1*02:01	75 (43)
DRB1*07:01:01G	3 (3)		DRB4*01:03:01	1 (1)	DRB4*01:01:01G	1 (1)	DQA1*02	23 (13)
DRB1*07:01	58 (69)		DRB4*01:01:01G	3 (2)	DRB4*01:03N	33 (23)	DQA1*05	2 (1)
DRB1*07:01+	3 (3)		DRB4*01:01P	1 (1)	DRB4*01:03	12 (8)		
DRB1*07	31 (37)		DRB4*01:03	42 (29)	DRB4*01:01+	1 (1)		
			DRB4*01:01	1 (1)	DRB4*01N	6 (4)		
			DRB4*01:01+	1 (1)	DRB4*01	12 (8)		
			DRB4*01	28 (19)	DRB4*Present	17 (12)		
			DRB4*Present	20 (14)				

DQB1				DPB1				DPA1			
109 labs		% (n)		46 labs		% (n)		21 labs		% (n)	
DQB1*02:02:01	4 (4)	DQB1*03:03:02	5 (5)	DPB1*04:01:01	4 (2)	DPB1*03:01:01G	7 (3)	DPA1*01:03:01G	5 (1)		
DQB1*02:02:01G	1 (1)	DQB1*03:03:02G	4 (4)	DPB1*04:01:01G	4 (2)	DPB1*03:01P	11 (5)	DPA1*01:03	71 (15)		
DQB1*02:02	61 (67)	DQB1*03:03	56 (61)	DPB1*04:01P	2 (1)	DPB1*104:01	39 (18)	DPA1*01:03+	5 (1)		
DQB1*02:01	3 (3)	DQB1*03:15	1 (1)	DPB1*04:01	70 (32)	DPB1*03:01	17 (8)	DPA1*01	19 (4)		
DQB1*02:02+	5 (5)	DQB1*03:03+	4 (4)	DPB1*04:01+	7 (3)	DPB1*104:01+	9 (4)				
DQB1*02	26 (28)	DQB1*03	31 (34)	DPB1*04	13 (6)	DPB1*104	11 (5)				
DQB1*03						DPB1*03	4 (2)				

Table 7. Individual laboratory results for DNA #741

CENTER	DRB1		DRB3/4/5		DQA1		DQB1		DPB1		DPA1		A-Locus		B-Locus		C-Locus	
276	13:02	13:03	3*01:01	3*03:01	01:02:01G	05:01:01G	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02:01G	41:02	07:02:01G	17:01:01G
278	13:02	13:03	3*01:01	3*03:01	01	05:05/9	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:03
279	13:02	13:03	3*01:01	3*03:01	01	05	03:01	06:04	04:01	BLANK			03:01	BLANK	07:02	41:02	07:02	17:03
280	13:02	13:03					03:01	06:04					03:01	BLANK	07:02	41:02	07:02	17:03
282	13	13	3*01	3*03	01	05	03	06	NT	NT	NT	NT	03	BLANK	07	41	07	17
283	13	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT	03	BLANK	07	41	07	17
284	13:02	13:03	3*01:01	3*03:01	01:02	05:05	03:01	06:04					03:01	BLANK	07:02	41:02	07:02	17:03
285	13	13	NT	NT	01	05	03	06	NT	NT	NT	NT	03	BLANK	07	41	07	17
401													03:01	BLANK	07	41:02	07:02/50	17:03
452	13:02	13:03	3*01:01	3*03:01	NT	NT	03:01	06:04	04:01	BLANK	NT	NT	03:01	BLANK	07:02	41:02	07:02	17:03
519	13:02	13:03	3*01	3*03	01:02	05:05	03:01/22	06:04/39	04:01/120:01N	BLANK	01:03	BLANK	03:01	BLANK	07:02/61	41:02	07:02/50	17:01/2
615	13:02	13:03	3*01:01:02G	3*03:01:01G			03:01	06:04:01G					03:01:01G	BLANK	07:02:01G	41:02	07:02:01G	17:01:01G
616	13	13											03	BLANK	07	41	07	17
635	13	13	3	3			03	06					03	BLANK	07	41	07	17
702	13:02	13:03	3*01:01	3*03:01	01	05	03:01	06:04	04:01	BLANK			03:01	BLANK	07:02	41:02	07:02	17:03
714	13:02	13:03	NT	NT	NT	NT	03:01	06:04	NT	NT	NT	NT	03:01	BLANK	07:02	41:02	07:02	17:03
726	13	13	3*01	3*03	01	05	03	06	04	BLANK	01	BLANK	03	BLANK	07	41	07	17
732	13	13			01	05	03	06					03:01:01	BLANK	07	41:02:01	07:02/50	17:03
769	13:02	13:03	3*01:01	3*03:01			03:01	06:04	04:01	BLANK			03:01	BLANK	07:02:01G	41:02	07:02P	17:03
805	13:02	13:03	NT	NT	NT	NT	03:01	06:04	NT	NT	NT	NT	03:01	BLANK	07:02	41:02	07:02:01G	17:01:01G
1113	13	13:03	NT	NT	01	05:05/9	03	06	04:01	BLANK			03	0305	07	41	07	17:03
1189	13:02	13:03	3*01:01	3*03:01	01	05	03:01	06:04	04:01	BLANK			03:01	BLANK	07:02	41:02	07:02	17:03
1212	13:02	13:03	3*01:01	3*03:01			03:01	06:04	04:01	BLANK			03:01	BLANK	07:02	41:02	07:02	17:03
1251	13:02	13:03	3*01:01	3*03:01	01	05:05	03:01	06:04	04:01	BLANK			03	BLANK	07	41:02/13	07:02:01G/195	17:03
1498	13:02:01	13:03:01	3*01:01/12	3*03:01	01:02:01G	05:05/10	03:01:01G	06:04:01G	04:01/120:01N	BLANK			03:01:01G	BLANK	07:02:01G	41:02	07:02:01G	17:01:01G
1647	13:02	13:03	3	3	01	05	03:01	06:04	04:01	BLANK			03:01	BLANK	07:02	41:02	07:02	17:03
1686	13:02	13:03	3*01:01	3*03:01	01:02/9	05:05/1	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:03
1905	13:02	13:03	3*01:01	3*03:01			03:01	06:04	04:01P	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:03
2004	13:02	13:03	3*01:01	3*03:01	01:02	05:05	03:01	06:04					03:01	BLANK	07:02	41:02	07:02	17:03
2013	13:02	13:03	NT	NT	NT	NT	03:01	06:04	NT	NT	NT	NT	03:01	BLANK	07:02	41:02	07:02	17:03
2015																		
2063																		
2347	13:02	13:03	3	3	01	05	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:01:01G
2411	13:02	13:03					03:01	06:04					03:01	BLANK	07	41:02	07:02	17:01
2518	13:02	13:03	NT	NT			03:01	06:04					03:01	BLANK	07	41:02/42:01	07:02	17:01:01G
2549	13:02	13:03	3*01	3*03	01:02	05:05	03:01	06:04	04	BLANK			03:01	BLANK	07:02	41:02	07:02	17:03
3248																		
3261																		
3264	13	13	NT	NT	NT	NT	03	06	NT	NT			03:01	BLANK	07:02	41:02	07:02/50	17:03
3325	13	13					03	06					03	BLANK	07	41	07	17
3410	13:02	13:03					03:01	06:04					03:01	BLANK	07:02	41:02	07:02	17:03
3438	13:02	13:03					03:01	06:04					03:01	BLANK	07:02	41:02	07:02	17
3522																		
3582	13:02/36	13:03/66	3*01:01	3*03:01	NT	NT	03:01/22	06:04/39	04:01/126:01	BLANK			03:01	BLANK	07	41:02	07	17
3600	13	13	3	3	01	05	03	06	04	BLANK	01	BLANK	03	BLANK	07	41	07	17
3614	13:02	13:03			01	05	03:01	06:04					03:01	BLANK	07:02	41:02	07:02	17:03
3625	13:02	13:03	3	3			03:01/22	06	04:01	BLANK			03:01	BLANK	07	41:02	07:02	17
3807	13	13	3*01	3*03:01	01:02/11	05:05/11	03:01/22	06:04/39	04:01	BLANK	01:03/10	BLANK	03	BLANK	07	41:02/42:01	07:02/50	17
3849	13	13	3*01	3*03:01/3	01	05:05	03	06					03:01:01G	BLANK	07:02:01G	41:02	07:02/51	17:01:01G/11
4237	13:02	13:03	3*01:01	3*03:01			03:01	06:04P					03:01	BLANK	07:02:01	41:02:01	07:02P	17:03
4420	13:02	13:03					03	06:04	04:01	BLANK			03:01	BLANK	07:02	41:02	07:02	17:01/3
4545	13:02	13:03	3*01:01	3*03:01	01	05	03:01	06:04	04:01	BLANK			03:01	BLANK	07:02:01G	41:02	07:02/50	17:01:01G
4551	13:02	13:03	3*01:01	3*03:01	01:02	05:05	03:01	06:04	04:01	BLANK	01:03	BLANK	03	BLANK	07	41	07	17
4585	13	13			01	05:05/9	03	06					03	BLANK	07	41	07	17
4613													03:01	BLANK	07:02/161N	41:02	07:02	17:03
4653	13:02	13:03	3*01:01	3*03:01			03:01	06:04	04:01	BLANK			03:01	BLANK	07:01	41:02	07:02	17:01
4709	13:02	13:03	3*01:01	3*03:01	01:02	05:05	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:03
5451	13:02:01	13:03:01	3*01:01:02	3*03:01:01	01:02:01	05:05	03:01:01	06:04:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5982																		
6051	13:02	13:03	3*01	3*03	01	05	03:01/27	06:04/34	04:01	BLANK	01:03	BLANK	03	BLANK	07	41	07	17
6313	13:02	13:03					03:01	06:04					03:01	BLANK	07:02	41:02	07:02/50	17:01:01G
9221	13	13	3*01:01	3*03:01	01	05	03	06	04:01	BLANK			03	BLANK	07	41	07	17
197H	13:02	13:03					03:01	06:04	04:01	BLANK			03:01	BLANK	07:02P	41:02	07:02P	17:01P
197L	13	13	3*01:01	3*03:01	01	05	03	06	04:01	BLANK	01:03	BLANK	03	BLANK	07	41	07	17
281H	13:02	13:03	NT	NT	NT	NT	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:03
281L	13	13	3*01	3*03	01	05	03	06	04	BLANK	01	BLANK	03	BLANK	07	41	07	17
4582H	13:02	13:03	3*01:01	3*03:01	01:02	05:05	03:01	06:04	04:01	BLANK	01:03	BLANK	03:01	BLANK	07:02	41:02	07:02	17:03
4582L	13	13	3*01	3*03	01	05	03	06	04	BLANK	01	BLANK	03	BLANK	07	41	07	17

Table 8. Individual laboratory results for DNA #742

CENTER	DRB1		DRB3/4/5		DQA1		DQB1		DPB1		DPA1		A-Locus		B-Locus		C-Locus	
276	07:01	10:01	4*01:03	BLANK	01:01:01G	02:01	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57:01	06:02:01G	BLANK
278	07:01	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57:01	06:02	BLANK
279	07:01	10:01	4*01:03	BLANK	01	02:01	02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
280	07:01	10:01					02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
282	07	10	4*01	BLANK	01	02	02	05	NT	NT	NT	NT	03	32	37	57	06	BLANK
283	07	10	NT	NT	NT	NT	02	05	NT	NT	NT	NT	03	32	37	57	06	BLANK
284	07:01	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
285	07	10	NT	NT	01	02	02	05	NT	NT	NT	NT	03	32	37	57	06	BLANK
401													03:01	32:01	37:01	57:01	06:02	BLANK
452	07:01	10:01	4*01:03	BLANK	NT	NT	02:02	05:01	02:01	04:01	NT	NT	03:01	32:01	37:01	57:01	06:02	BLANK
519	07:01	10:01	4*01	BLANK	01:05	02:01	02:02	05:01	02:01/123:01	04:01/120:01N	01:03	BLANK	03:01	32:01	37:01	57:01	06:02/83	BLANK
615	07:01:01G	10:01	4*01	BLANK			02:02	05:01:01G	02:01:02G	04:01:01G			03:01:01G	32:01:01G	37:01:01G	57:01:01G	06:02:01G	BLANK
616	07	10											03	32	37	57	06	BLANK
635	07	10	4	BLANK			02	05					03	32	37	57	06	BLANK
702	07:01	10:01	4*01:03	BLANK	01	02:01	02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
714	07:01	10:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT	03:01	32:01	37:01	57:01	06:02	BLANK
726	07	10	4*01	BLANK	01	02	02	05	02	04	01	BLANK	03	32	37	57	06	BLANK
732	07	10			01	02	02	05					03:01:01	32:01:01	37:01:01	57:01:01	06:02:01	BLANK
769	07:01	10:01	4*01:03	BLANK			02:02	05:01	02:01P	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
805	07:01	10:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT	03:01	32:01	37:01	57:01	06:02	BLANK
1113	07:01	10:01	NT	NT	01	02:01	02:02	05	02:01/141:01	04:01			03	32:01	37	57	06	BLANK
1189	07:01	10:01	4*01:03	BLANK	01	02:01	02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
1212	07:01	10:01	4*01:03	BLANK			02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01/37	06:02	BLANK
1251	07:01	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01/12	02:01	04:01			03	32	37:01/30N	57	06:02/37	BLANK
1498	07:01:01	10:01:01	4*01:03	BLANK	01:05	02:01	02:02/6	05:01/7	02:01/123:01	04:01/120:01N			03:01:01G	32:01	37:01	57:01	06:02:01G	BLANK
1647	07:01	10:01	4	BLANK	01	02	02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
1686	07:01	10:04	4*01:03	BLANK	01:05	02:01	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57:01	06:02	BLANK
1905	07:01	10:01	4*01	BLANK			02:02	05:01	02:01P	04:01P	01:03	BLANK	03:01	32:01	37:01	57:01	06:02	BLANK
2004	07:01	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
2013	07:01	10:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT	03:01	32:01	37:01	57:01	06:02	BLANK
2015																		
2063																		
2347	07:01	10:01	4	BLANK	01	02	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57:01	06:02	BLANK
2411	07:01	10:01					02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
2518	07:01	10:01	NT	NT			02:01:01G	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
2549	07:01	10:01	4*01	BLANK	01:05	02:01	02:02	05:01	02	04			03:01	32:01	37:01	57:01	06:02	BLANK
3248																		
3261													03:01	32:01	37:01	57:01	06:02	BLANK
3264	07	10	NT	NT	NT	NT	02	05	NT	NT			03	32	37	57	06	BLANK
3325	07	10					02	05					03:01	32:01	37:01	57:01	06:02	BLANK
3410	07:01	10:01					02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
3438	07:01	10:01					02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
3522																		
3582	07:01	10:01/2	4*01	BLANK	NT	NT	02:02	05:01	02	04			03:01	32:01	37:01	57:01	06:02/83	BLANK
3600	07	10	4	BLANK	01	02	02	05	02	04	01	BLANK	03	32	37	57	06	BLANK
3614	07:01	10:01			01	02:01	02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
3625	07:01	10:01	4	BLANK			02:02	05:01	02:01	04:01			03:01	32:01	37	57:01	06:02/83	BLANK
3807	07:01/23	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01	02:01	04:01	01:03/10	BLANK	03	32	37:01	57:01	06:02/83	BLANK
3849	07:01/22	10:01	4*01	BLANK	01:05	02:01	02:02	05:01/12					03:01:01G/8	32:01:01G/17	37:01:01G	57:01:01G	06:02:01G	BLANK
4237	07:01	10:01	4*01:03	BLANK			02:02	05:01					03:01	32:01:01	37:01:01	57:01:01	06:02	BLANK
4420	07:01	10:01					02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
4545	07:01	10:01	4*01	BLANK	01:05	02:01	02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02/83	BLANK
4551	07:01	10:01	4*01:03	BLANK	01:01/5	02:01	02:02	05:01	02:01	04:01	01:03	BLANK	03	32	37	57	06	BLANK
4585	07	10:01/3			01	02:01	02:02	05:01/12					03	32	37	57	06	BLANK
4613													03:01	32:01	37:01	57:01/55	06:02P	BLANK
4653	07:01	10:01	4*01:03	BLANK			02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
4709	07:01	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57	06:02	BLANK
5451	07:01:01	10:01:01	4*01:03:01	BLANK	01:05	02:01	02:02:01	05:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5982																		
6051	07:01	10:01	4*01	BLANK	01	02	02:02	05:01/12	02:01	04:01	01:03	BLANK	03	32	37	57	06	BLANK
6313	07:01	10:01					02:02	05:01					03:01	32:01	37:01	57:01	06:02	BLANK
9221	07	10	4	BLANK	01	02:01	02	05	02:01	04:01			03	32	37	57	06	BLANK
197H	07:01	10:01					02:02	05:01	02:01	04:01			03:01	32:01	37:01	57:01	06:02	BLANK
197L	07	10	4*01	BLANK	01	02:01	02:02	05	02:01	04:01	01:03	BLANK	03	32	37	57	06	BLANK
281H	07:01	10:01	NT	NT	NT	NT	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57:01	06:02	BLANK
281L	07	10	4*01	BLANK	01	02	02	05	02	04	01	BLANK	03	32	37	57	06	BLANK
4582H	07:01	10:01	4*01:03	BLANK	01:05	02:01	02:02	05:01	02:01	04:01	01:03	BLANK	03:01	32:01	37:01	57:01	06:02	BLANK
4582L	07	10	4*01	BLANK	01	02	02	05	02	04	01	BLANK	03	32	37	57	06	BLANK

Table 9. Individual laboratory results for DNA #743

CENTER	DRB1		DRB3/4/5		DQA1		DQB1		DPB1		DPA1		A-Locus		B-Locus		C-Locus	
276	11:01:01G	14:02	3*01:01	3*02:02:01G	05:01:01G	05:01:01G	03:01	BLANK	04:02	126:01	01:03	BLANK	24:02	33:01	14:02	35:01:01G	04:01:01G	08:02
278	11:01	14:02	3*01:01	3*02:02	05:03/7	05:01	03:01	BLANK	04:02	04:01/126:01	01:03	BLANK	24:02	33:01	14:02	35:01	04:01	08:02
279	11:01	14:02	3*01:01	3*02:02	05	05	03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01	04:01	08:02
280	11:01	14:02					03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
282	11	14	3*01	3*02	05	05	03	BLANK	NT	NT	NT	NT	24	33	14	35	04	08
283	11	14	NT	NT	NT	NT	03	BLANK	NT	NT	NT	NT	24	33	14	35	04	08
284	11:01	14:02	3*01:01	3*02:02	05:03	05:05	03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
285	11	14	NT	NT	05	05	03	BLANK	NT	NT	NT	NT	24	33	14	35	04	08
401													24:02	33:01	14:02	35:01/42	04:01	08:02
452	11:01	14:02	3*01:01	3*02:02	NT	NT	03:01	BLANK	04:02	126:01	NT	NT	24:02	33:01	14:02	35:01	04:01	08:02
519	11:01/97	14:02	3*01	3*02	05:03	05:01/8	03:01	BLANK	04:02	04:01/126:01	01:03	BLANK	24:02	33:01	14:02	35:01/42	04:01/82	08:02
615	11:01:01G	14:02	3*01:01:02G	3*02:02:01G			03:01	BLANK	04:02:01G	04:01:01G			24:02:01G	33:01	14:02	35:01:01G	04:01:01G	08:02:01G
616	11	14											24	33	14	35	04	08
635	11	14	3	3			03	BLANK					24	33	14	35	04	08
702	11:01	14:02	3*01:01	3*02:02	05	05	03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01	04:01	08:02
714	11:01	14:02	NT	NT	NT	NT	03:01	BLANK	NT	NT	NT	NT	24:02	33:01	14:02	35:01	04:01	08:02
726	11	14	3*01	3*02	05	05	03	BLANK	04	04	01	BLANK	24	33	14	35	04	08
732	11	14			05	05	03	BLANK					24:02	33:01:01	14:02:01	35:01/42	04	08:02:01
769	11:01/97	14:02	3*01:01	3*02:02:01G			03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01P	04:01	08:02
805	11:01:01G	14:02	NT	NT	NT	NT	03:01	BLANK	NT	NT	NT	NT	24:02	33:01	14:02	35:01	04:01:01G	08:02
1113	11	14:02	NT	NT	05:03/7	05	03	BLANK	04:02	04:01/126:01			24	33:01/38	14	35	04	08
1189	11:01	14:02	3*01:01	3*02:02	05	05	03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01	04:01	08:02
1212	11:01	14:02	3*01:01	3*02			03:01	BLANK	NT	NT			24:02	33:01	14:02	35:01	04:01	08:02
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			NT	NT	NT	NT	NT	NT
1498	11:01:01	14:02	3*01:01/12	3*02:02:01G	05:01/3	05:01/8	03:01:01G	BLANK	04:02	126:01			24:02:01G	33:01	14:02	35:01:01G	04:01:01G	08:02
1647	11:01	14:02	3	3	05	05	03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01	04:01	08:02
1686	11:01	14:02	4*01:01	4*02:02	05:03	05:05	03:01	BLANK	04:02	126:01	01:03	BLANK	24:02/169	33:01	14:02	35:01	04:01	08:02
1905	11:01	14:02	3*01:01	3*02			03:01	BLANK	04:02P	04:01P	01:03	BLANK	24:02	33:01	14:02	35:01	04:01	08:02
2004	11:01	14:02	3*01:01	3*02:02	05:03	05:05	03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
2013	11:01	14:02	NT	NT	NT	NT	03:01	BLANK	NT	NT	NT	NT	24:02	33:01	14:02	35:01	04:01	08:02
2015																		
2063																		
2347	11	14	3	3	05	05	03:01	BLANK	04:02	04:01:01G	01:03	BLANK	24	33	14:02	35	04	08
2411	11:01	14:02					03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
2518	11:01	14:02	NT	NT			03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
2549	11:01	14:02	3*01	3*02	05	05	03:01	BLANK	04	126			24:02	33:01	14:02	35:01	04:01	08:02
3248																		
3261													24:02	33:01	14:02	35:01	04:01	08:02
3264	11	14:02	NT	NT	05	05	03	BLANK	NT	NT			24	33	14	35	NT	NT
3325	11	14					03	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
3410	11:01	14:02					03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
3438	11:01	14:02					03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
3522																		
3582	11:01	14:02	3*01	3*02	NT	NT	03:01	BLANK	04:02	126			24:02	33:01	14:02/11	35	04	08:02
3600	11	14	3	3	05	05	03	BLANK	04	04	01	BLANK	24	33	14	35	04	08
3614	11:01	14:02			05	05	03:01	BLANK					24:02	33:01	14:02	35:01	04:01	08:02
3625	11:01/97	14:02	3	3			03:01	BLANK	04:02/105:01	04:01/126:01			24:02	33:01	14:02	35	04:01/9N	08:02
3807	11	14:02/46	3*01	3*02	05:01/3	05:01/8	03:01	BLANK	04:02	126:01	01:03/10	BLANK	24	33:01	14:02	35	04	08:02/15
3849	11	14	3*01	3*02	05:03	05:01/11	03	BLANK					24	33	14	35	04	08
4237	11:01P	14:02	3*01:01	3*02:02			03:01	BLANK					24:02	33:01:01	14:02:01	35:01	04:01P	08:02
4420	11:01	14:02					03	BLANK	04:02	04:01			24:02	33:01	14:02	35:01/48	04:01/7	08:02
4545	11:01/97	14:02	3*01:01	3*02	05	05	03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01/42	04:01:01G	08:02
4551	11:01	14:02	3*01:01	3*02:02	05:03	05:05	03:01	BLANK	04:02	04:01	01:03	BLANK	24	33	14	35	04	08
4585	11	14			05:03/7	05	03	BLANK					24	33	14	35	04	08
4613													24:02	33:01	14:02	35:01/42	04:01	08:02
4653	11:01	14:02	3*01:01	3*02:02			03:01	BLANK	04:02	126:01			24:02	33:01	14:02	35:01	04:01	08:02
4709	11:01	14:02	3*01:01	3*02:02	05:03	05:05	03	BLANK	04:02	126:01	01:03	BLANK	24:02	33:01	14:02	35:01	04:01	08:02
5451	11:01:01	14:02	3*01:01:02	3*02:02:01	05:03	05:05	03:01:01	BLANK	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5982																		
6051	11:01	14:02	3*01	3*02	05	05	03:01/27	BLANK	04:02	04:01	01:03	BLANK	24	33	14:02/9	35	04	08
6313	11:01	14:02					03:01	BLANK					24:02	33:01	14:02	35:01/42	04:01/9N	08:02
9221	11	14	3*01:01	3*02	05	05:01	03	BLANK	04:02	04:01			24	33	14	35	04	08
197H	11:01P	14:02					03:01	BLANK	04:02	04:01P			24:02	33:01	14:02	35:01P	04:01P	08:02
197L	11	14	3*01:01	3*02	05	05	03	BLANK	04:02	04:01P	01:03	BLANK	24	33	14	35	04	08
281H	11:01	14:02	NT	NT	NT	NT	03:01	BLANK	04:02	126:01	01:03	BLANK	24:02	33:01	14:02	35:01	04:01	08:02
281L	11	14	3*01	3*02	05	05	03	BLANK	04	126	01	BLANK	24	33	14	35	04	08
4582H	11:01	14:02	3*01:01	3*02:02	05:03	05	03:01	BLANK	04:02	126:01	01:03	BLANK	24:02	33:01	14:02	35:01	04:01	08:02
4582L	11	14	3*01	3*02	05	05	03	BLANK	04	126	01	BLANK	24	33	14	35	04	08

Table 10. Individual laboratory results for DNA #744

CENTER	DRB1	DRB3/4/5	DQA1	DQB1	DPB1	DPA1	A-Locus	B-Locus	C-Locus									
276	07:01	BLANK	4*01:01:01G	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01	01:03	BLANK	02:01	33:03	44:03	57:01	07:01:01G	07:01:01G
278	07:01	BLANK	4*01:03	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01	01:03	BLANK	02:01	33:03	44:03	57:01	07:01/6	07:06
279	07:01	BLANK	4*01:03	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01			02:01	33:03	44:03	57:01	07:01	07:01
280	07:01	BLANK					02:02	03:03					02:01	33:03	44:03	57:01	07:01	07:01/6
282	07	BLANK	4*01	4*01	02	BLANK	02	03	NT	NT	NT	NT	02	33	44	57	07	07
283	07	BLANK	NT	NT	NT	NT	02	03	NT	NT	NT	NT	02	33	44	57	07	07
284	07:01	BLANK	4*01:03	4*01:03	02:01	BLANK	02:01	03:03					02:01	33:03	44:03	57:01	07:01	07:06
285	07	BLANK	NT	NT	02	BLANK	02	03	NT	NT	NT	NT	02	33	44	57	07	07
401													02:01	33:03	44:03	57:01	07:01	07:06
452	07:01	BLANK	4*01:03	4*01:03N	NT	NT	02:02	03:03	04:01	104:01	NT	NT	02:01	33:03	44:03	57:01	07:01	07:06
519	07:01	BLANK	4*01	4*01:03N	02:01	BLANK	02:02	03:03	04:01/120:01N	104:01	01:03	BLANK	02:01	33:03	44:03	57:01	07:01/6	07:01/6
615	07:01:01G	BLANK	4*01	4*01:03N			02:02	03:03:02G	04:01:01G	03:01:01G			02:01:01G	33:03:01G	44:03:02	57:01:01G	07:01:01G	07:01:01G
616	07	BLANK											02	33	44	57	07	07
635	07	BLANK	4	4			02	03					02	33	44	57	07	07
702	07:01	BLANK	4*01:03	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01			02:01	33:03	44:03	57:01	07:01	07:06
714	07:01	BLANK	NT	NT	NT	NT	02:02	03:03	NT	NT	NT	NT	02:01	33:03	44:03	57:01	07:01	07:06
726	07	BLANK	4*01	4*01	02	BLANK	02	03	04	03	01	BLANK	02	33	44	57	07	07
732	07	BLANK			02	BLANK	02	03					02:01:01	33:03:01	44:03:02	57:01:01	07	07
769	07:01	BLANK	4*01:03	4*01:03:01:02N			02:02	03:03	04:01	03:01P			02:01P	33:03	44:03	57:01	07:01	07:06
805	07:01	BLANK	NT	NT	NT	NT	02:02	03:03	NT	NT	NT	NT	02:01	33:03	44:03	57:01	07:01:01G	07:01:01G
1113	07:01	BLANK	NT	NT	02:01	BLANK	02:02	03	04:01	03:01/104:01			02	33	44	57	07	07
1189	07:01	BLANK	4*01:03	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01			02:01	33:03	44:03	57:01	07:01:01G	07:06
1212	NT	NT	NT	NT			NT	NT	NT	NT			NT	NT	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT			NT	NT	NT	NT	NT	NT
1498	07:01:01	BLANK	4*01:03	4*01:03:01:02N	02:01	BLANK	02:02/6	03:03:02G	04:01/120:01N	104:01			02:01:01G	33:03	44:03	57:01	07:01:01G	07:01:01G
1647	07:01	BLANK	4	4	02	BLANK	02:02	03:03	04:01	104:01			02:01	33:03	44:03	57:01	07:01:01G	07:01:01G
1686	07:01	BLANK	4*01:03	4*01:03:01:02N	02:01	BLANK	02:02	03:03	04:01	104:01/124:01	01:03	BLANK	02:01	33:03	44:03	57:01	07:01/18	07:06
1905	07:01	BLANK	4*01:01P	4*01:03N			02:02	03:03	04:01P	03:01P	01:03	BLANK	02:01	33:03	44:03	57:01	07:01	07:06
2004	07:01	BLANK	4*01:03	4*01:03:01:02N	02:01	BLANK	02:02	03:03					02:01	33:03	44:03	57:01	07:01/6	07:06
2013	07:01	BLANK	NT	NT	NT	NT	02	03	NT	NT	NT	NT	02:01	33:03	44:03	57:01	07:01	07:06
2015																		
2063																		
2347	07	BLANK	4	4*01:03N	02	BLANK	02	03:03	04:01	03:01:01G	01:03	BLANK	02	33	44	57	07	07
2411	07:01	BLANK					02:02	03:03					02:01	33:03	44:03	57:01	07:01	07:01
2518	07:01	BLANK	4*01:03	4*01:03N			02:02:01G	03:03					02:01	33:03	44:03	57:01	07:01:01G	07:01:01G
2549	07:01	BLANK	4*01	4*01N	02:01	BLANK	02:02	03:03	04	104			02:01	33:03	44:03	57:01	07:01	07:06
3248																		
3261													02:01	33:03	44:03	57:01	07:01	07:06
3264	07:01	BLANK	NT	NT	02:01	BLANK	02	03	NT	NT			02	33	44	57	NT	NT
3325	07	BLANK					02	03					02:01	33:03	44:03	57:01	07	07:06
3410	07:01	BLANK					02:02	03:03					02:01	33:03	44:03	57:01	07	07:06/18
3438	07:01	BLANK					02:02	03:03					02	33	44	57	07	07
3522																		
3582	07:01	BLANK	4*01	4*01	NT	NT	02:02	03:03	04	104			02:01	33:03	44:03	57:01	07	07
3600	07	BLANK	4	4N	02	BLANK	02	03	04	03	01	BLANK	02	33	44	57	07	07
3614	07:01	BLANK			02:01	BLANK	02:02	03:03					02:01	33:03	44:03	57:01	07:01	07:06
3625	07:01	BLANK	4	4			02:02	03:03	04:01	104			02:01	33:03	44	57:01/37	07:01	07:06
3807	07:01/23	BLANK	4*01:03	4*01:03	02:01	BLANK	02:02/3	03:02/3	04:01	104:01	01:03/10	BLANK	02	33:03/22	44:03	57:01	07	07:06
3849	07	BLANK	4*01	4*01	02:01	BLANK	02:02	03					02	33	44:03	57:01:01G	07:01:01G	07:01:01G
4237	07:01	BLANK	4*01:03	4*01:03:01:02N			02:02	03:03					02:01	33:03:01	44:03:02	57:01:01	07:01P	07:06
4420	07:01	BLANK					02	03:03	04:01	03:01			02:01	33:03	44:03	57:01	07:01/6	07:01/6
4545	07:01	BLANK	4*01	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01			02:01	33:03	44:03	57:01	07:01:01G	07:01:01G
4551	07:01	BLANK	4*01:03	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01	01:03	BLANK	02:01:01G	33:03	44:03	57:01	07:01:01G	07:06
4585	07	BLANK			02:01	BLANK	02:02	03					02	33	44	57	07	07
4613													02:01	33:03	44:03	57:01	07:01P	07:01P
4653	07:01	BLANK	4*01:03	4*01:03			02:02	03:03	04:01	03:01			02:01	33:03	44:03	57:01	07:01	07:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	07:01:01	BLANK	4*01:03:01	4*01:03:01:02N	02:01	BLANK	02:02:01	03:03:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5982																		
6051	07:01	BLANK	4*01	4*01:03:01:02N	02	BLANK	02:02	03:03/31	04:01	03:01	01:03	BLANK	02	33	44	57	07	07
6313	07	BLANK					02:02	03:03					02	33	44	57	07	07
9221	07	BLANK	4	4*01:03N	02:01	BLANK	02	03	04:01	03:01			02	33	44	57	07	07
197H	07:01	BLANK					02:02	03:03	04:01	03:01P			02:01	33:03	44:03	57:01	07:01P	07:01P
197L	07	BLANK	4*01	4*01:03N	02:01	BLANK	02:02	03	04:01	03:01P	01:03	BLANK	02	33	44	57	07	07
281H	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
281L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582H	07:01	BLANK	4*01:03	4*01:03N	02:01	BLANK	02:02	03:03	04:01	104:01	01:03	BLANK	02:01	33:03	44:03	57:01	07	07:06
4582L	07	BLANK	4*01	4*01N	02	BLANK	02	03	04	104	01	BLANK	02	33	44	57	07	07

Table 11. Individual laboratory results for DNA #745

CENTER	DRB1		DRB3/4/5		DQA1		DQB1		DPB1		DPA1		A-Locus		B-Locus		C-Locus	
276	03:01	04:01	3*01:01	4*01:03	03:01:01G	05:01	02:01	03:01	04:01	BLANK	01:03	BLANK	02:01	03:01	35:01:01G	44:02	04:01:01G	05:01
278	03:01	04:01	3*01:01	4*01:03	03:02/3	05:01	02:01	03:01	04:01	BLANK	01:03	BLANK	02:01	03:01	35:01	44:02	04:01	05:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	03:01	04:01					02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
282	03	04	3*01	4*01	03	05	02	03	NT	NT	NT	NT	02	03	35	44	04	05
283	03	04	NT	NT	NT	NT	02	03	NT	NT	NT	NT	02	03	35	44	04	05
284	03:01	04:01	3*01:01	4*01:03	03:03	05:01	02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
285	03	04	NT	NT	03	05	02	03	NT	NT	NT	NT	02	03	35	44	04	05
401																		
452	03:01	04:01	3*01:01	4*01:03	NT	NT	02:01	03:01	04:01	BLANK	NT	NT	02:01	03:01	35:01	44:02	04:01	05:01
519	03:01/68N	04:01	3*01	4*01	03:03	05:01	02:01	03:01	04:01/120:01N	BLANK	01:03	BLANK	02:01	03:01	35:01/42	44:02/19N	04:01/82	05:01
615	03:01:01G	04:01	3*01:01:02G	4*01			02:01	03:01	04:01:01G	BLANK			02:01:01G	03:01:01G	35:01:01G	44:02:01G	04:01:01G	05:01:01G
616	03	04											02	03	35	44	04	05
635	03	04	3	4			02	03					02	03	35	44	04	05
702	03:01	04:01	3*01:01	4*01:03	03	05:01	02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01	05:01
714	03:01	04:01	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT	02:01	03:01	35:01	44:02	04:01	05:01
726	03	04	3*01	4*01	03	05	02	03	04	BLANK	01	BLANK	02	03	35	44	04	05
732	03	04			03	05	02	03					02:01:01	03:01:01	35:01/42	44:02/19N	04	05:01:01
769	03:01/68N	04:01	3*01:01	4*01:03			02:01	03:01	04:01	BLANK			02:01P	03:01	35:01P	44:02P	04:01	05:01
805	03:01	04:01	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT	02:01	03:01	35:01	44:02	04:01:01G	05:01
1113	03	04	NT	NT	03:02/3	05:01	02:01/7	03	04:01	BLANK			02	03	35	44	04	05
1189	03:01	04:01	3*01:01	4*01:03	03:02/3	05:01	02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01	05:01
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1498	03:01	04:01:01	3*01:01/12	4*01:03	03:03	05:01	02:01/7	03:01:01G	04:01/120:01N	BLANK			02:01:01G	03:01:01G	35:01:01G	44:02:01G	04:01:01G	05:01
1647	03:01	04:01	3	4	03	05	02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01	05:01
1686	03:01	04:01	3*01:01	4*01:03	03:03	05:01	02:01	03:01	04:01	BLANK	01:03	BLANK	02:01	03:01	35:01	44:02	04:01	05:01
1905	03:01	04:01	3*01	4*01:01P			02:01	03:01	04:01P	BLANK	01:03	BLANK	02:01	03:01	35:01	44:02	04:01	05:01
2004	03:01	04:01	3*01:01	4*01:03	03:03	05:01	02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
2013	03:01	04:01	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT	02:01	03:01	35:01	44:02	04:01	05:01
2015																		
2063																		
2347	03:01	04	3	4	03	05	02	03:01	04:01	BLANK	01:03	BLANK	02	03	35	44	04	05
2411	03:01	04:01					02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
2518	03:01	04:01	NT	NT			02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
2549	03:01	04:01	3*01	4*01	03:03	05:01	02:01	03:01	04	BLANK			02:01	03:01	35:01	44:02	04:01	08:02
3248																		
3261																		
3264	03:01/83	04:01	3*01:01	4*01:03	NT	NT	02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01	05:01
3325	03	04					02	03					02:01	03:01	35:01	44:02	04:01	05:01
3410	03:01	04:01					02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
3438	03:01	04:01					02:01	03:01					02	03	35	44	04	05
3522																		
3582	03	04	3*01	4*01	03	05	02	03	NT	NT			02	03	35	44	04	05
3600	03	04	3	4	03	05	02	03	04	BLANK	01	BLANK	02	03	35	44	04	05
3614	03:01	04:01				05:01	02:01	03:01					02:01	03:01	35:01	44:02	04:01	05:01
3625	03:01	04:01	3	4			02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01	05:01
3807	03	04:01/158N	3*01	4*01:03	03:03	05:01	02:01	03:01	04:01	BLANK	01:03/10	BLANK	02:01/43N	03	35	44:02/19N	04	05
3849	03	04	3*01	4*01	03:03	05:01	02:01	03					02	03	35	44	04	05
4237	03:01	04:01:01	3*01:01	4*01:03			02:01	03:01					02:01	03:01:01:01:01	35:01	44:02	04:01P	05:01
4420	03:01	04:01					02	03	04:01	BLANK			02:01	03:01	35:01/48	44:02/27	04:01/7	05:01
4545	03:01	04:01	3*01	4*01	03:03	05:01	02:01	03:01	04:01	BLANK			02:01	03:01	35:01/42	44:02/19N	04:01:01G	05:01
4551	03:01	04:01	3*01:01	4*01:03	03:02/3	05:01	02:01	03:01	04:01	12801	01:03	BLANK	02:01:01G	03:01:01G	35:01:01G	44:02:01G	04:09N	05:01
4585	03	04			03:02/3	05:01	02:01	03					02	03	35	44	04	05
4613													02:01	03:01	35:01	44:02/152	04:01	05:01
4653	03:01	04:01	3*01:01	4*01:03			02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01	05:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	03:01	04:01:01	3*01:01:02	4*01:03:01	03:03:01	05:01:01	02:01:01	03:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5982																		
6051	03:01/50	04:01	3*01	4*01	03	05	02:01	03:01/27	04:01	BLANK	01:03	BLANK	02	03	35	44	04	05
6313	03	04					02:01	03					02	03	35:01/17	44	04	05
9221	03	04	3	4	03	05:01	02	03	04:01	BLANK			02	03	35	44	04	05
197H	03:01	04:01					02:01	03:01	04:01	BLANK			02:01	03:01	35:01	44:02	04:01P	05:01
197L	03	04	3*01	4*01	03	05:01	02:01	03	04:01	BLANK	01:03	BLANK	02	03	35	44	04	05
281H	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
281L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582H	03:01	04:01	3*01:01	4*01:03	03:03	05:01	02:01	03:01	04:01	BLANK	01:03	BLANK	02:01	03:01	35:01	44:02	04:01	05:01
4582L	03	04	3*01	4*01	03	05	02	03	04	BLANK	01	BLANK	02	03	35	44	04	05

Table 12. Individual laboratory results for DNA #746

CENTER	DRB1		DRB3/4/5		DQA1		DQB1		DPB1		DPA1		A-Locus		B-Locus		C-Locus	
276	01:02	14:02	3*01:01	BLANK	01:01:01G	05:01:01G	03:01	05:01	01:01	04:01	01:03	02:01	02:01	24:02	15:03:01G	51:02	02:10	08:01:01G
278	01:02	14:02	3*01:01	BLANK	01	05:03/7	03:01	05:01	01:01	04:01	01:03	02:01	02:01	24:02	15:03	51:02	02:02/10	08:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	01:02	14:02					03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
282	01	14	3*01	BLANK	01	05	03	05	NT	NT	NT	NT	02	24	15	51	02	08
283	01	14	NT	NT	NT	NT	03	05	NT	NT	NT	NT	02	24	15	51	02	08
284	01:02	14:02	3*01:01	BLANK	01:01	05:03	03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
285	01	14	NT	NT	01	05	03	05	NT	NT	NT	NT	02	24	15	51	02	08
401																		
452	01:02	14:02	3*01:01	BLANK	NT	NT	03:01	05:01	01:01	04:01	NT	NT	02:01	24:02	15:03	51:02	02:10	08:01
519	01:02	14:02	3*01	BLANK	01:01	05:03	03:01	05:01	01:01	04:01/120:01N	01:03	02:01	02:01	24:02	15:03/103	51:02	02:10	08:01/22
615	01:02	14:02	3*01:01:02G	BLANK			03:01	05:01:01G	01:01	04:01:01G			02:01:01G	24:02:01G	15:03:01G	51:02	02:10	08:01:01G
616	01	14											02	24	15	51	02	08
635	01	14	3	BLANK			03	05					02	24	15	51	02	08
702	01:02	14:02	3*01:01	BLANK	01	05	03:01	05:01	01:01	04:01			02:01	24:02	15:03	51:02	02:10	08:01
714	01:02	14:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT	02:01	24:02	15:03	51:02	02:10	08:01
726	01	14	3*01	BLANK	01	05	03	05	01	04	01	02	02	24	15	51	02	08
732	01	14			01	05	03	05					02:01:01	24:02	15	51:02:01	02:10	08:01/22
769	01:02	14:02	3*01:01	BLANK			03:01	05:01	01:01	04:01			02:01P	24:02	15:03	51:02	02:10	08:01
805	01:02	14:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT	02:01	24:02	15:03:01G	51:02	02:10	08:01
1113	01	14:02	NT	NT	01	05:03/7	03	05	01:01	04:01			02	24	15	51:02	02:02/10	08
1189	01:02	14:02	3*01:01	BLANK	01	05	03:01	05:01	01:01	04:01			02:01	24:02	15:03:01G	51:02	02:10	08:01/22
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1498	01:02:01	14:02	3*01:01/12	BLANK	01:01	05:03	03:01:01G	05:01/7	01:01	04:01/120:01N			02:01:01G	24:02:01G	15:03:01G	51:02	02:10	08:01:01G
1647	01:02	14:02	3	BLANK	01	05	03:01	05:01	01:01	04:01			02:01	24:02	15:03	51:02	02:10	08:01
1686	01:02	14:02	3*01:01	BLANK	01:01	05:03	03:01	05:01	01:01	04:01	01:03	02:01	02:01	24:02/169	15:03	51:02	02:10	08:01
1905	01:02	14:02	3*01:01	BLANK			03:01	05:01	01:01	04:01P	01:03	02:01	02:01	24:02	15:03	51:02	02:10	08:01
2004	01:02	14:02	3*01:01	BLANK	01:01	05:03	03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
2013	01:02	14:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT	02:01	24:02	15:03	51:02	02:10	08:01
2015																		
2063																		
2347	01	14	3	BLANK	01	05	03:01	05	01:01	04:01	01:03	02:01	02	24	15:03	51	02	08
2411	01:02	14:02					03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
2518	01:02	14:02	NT	NT			03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
2549	01:02	14:02	3*01	BLANK	01:01	05:03	03:01	05:01	01	04			02:01	24:02	15:03	51:02	02:10	08:22
3248																		
3261													02:01	24:02	15:03	51:02	02:10	08:01
3264	01:02	14:02	3*01:01	BLANK	NT	NT	03:01	05:01	01:01	04:01			02:01	24:02	15:03/220	51:02	02:10	08:01
3325	01	14					03	05					02:01	24:02	15:03	51:02	02:10	08:01
3410	01:02	14:02					03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
3438	01:02	14:02					03:01	05:01					02	24	15	51	02	08
3522																		
3582	01	14	3*01	BLANK	01	05	03	05	NT	NT			02	24	15	51	02	08
3600	01	14	3	BLANK	01	05	03	05	01	04	01	02	02	24	15	51	02	08
3614	01:02	14:02			01	05	03:01	05:01					02:01	24:02	15:03	51:02	02:10	08:01
3625	01:02	14:02	3	BLANK			03:01	05:01	01:01	04:01			02:01	24:02	15:03/220	51:02	02:10	08:01/22
3807	01:02	14:02/46	3*01	BLANK	01:01	05:03	03:01	05:01	01:01	04:01	01:03/10	02:01	02	24	15	51:02	02:10	08:01/22
3849	01	14:02	3*01	BLANK	01:01	05:03	03	05:01/12					02	24	15:03:01G	51:02	02	08
4237	01:02:01	14:02	3*01:01	BLANK			03:01	05:01					02:01	24:02	15:03:01	51:02:01	02:10	08:01
4420	01:02	03:02					03	05:01	01:01	04:01			02:01/60	24:02	15:03	51:02	02:02/10	08:01/22
4545	01:02	14:02	3*01:01	BLANK	01:01	05:03	03:01	05:01	01:01	04:01			02:01	24:02	15:03:01G	51:02	02:10	08:01/22
4551	01:02	14:02	3*01:01	BLANK	01	05:03/7	03:01	05:01	01:01	04:01	01:03	02:01	02:01:01G	24:02:01G	15:03	51:02	02:10	08:01:01G
4585	01	14			01	05:03/7	03	05:01/12					02	24	15	51:02/70	02	08
4613													02:01	24:02	15:03	51:02	02:10	08:01
4653	01:02	14:02	3*01:01	BLANK			03:01	05:01	01:01	04:01			02:01	24:02	15:03	51:02	02:10	08:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	01:02:01	14:02	3*01:01:02	BLANK	01:01	05:03	03:01:01	05:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5982																		
6051	01:02/43	14:02	3*01	BLANK	01	05	03:01/27	05:01/12	01:01	04:01	01:03	02:01	02	24	15:03/74	51:02/70	02	08
6313	01	14					03	05					02	24	15:03	51:02	02	08
9221	01	14	3	BLANK	01	05	03	05	01:01	04:01			02	24	15	51	02	08
197H	01:02	14:02					03:01	05:01	01:01	04:01			02:01	24:02	15:03P	51:02	02:10	08:01P
197L	01	14	3*01:01	BLANK	01	05	03	05	01:01	04:01	01:03	02:01	02	24	15	51	02	08
281H	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
281L	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582H	01:02	14:02	3*01:01	BLANK	01:01	05:03	03:01	05:01	01:01	04:01	01:03	02:01	02:01	24:02	15:03	51:02	02:10	08:01
4582L	01	14	3*01	BLANK	01	05	03	05	01	04	01	02	02	24	15	51	02	08

