

UCLA INTERNATIONAL HLA DNA EXCHANGE—160TH SUMMARY



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DNA Sample	
#981	#984
#982	#985
#983	#986

DNA #981 UNKNOWN

The consensus type for this sample from an Unknown donor is A*11:01-A*24:02-B*39:01-B*40:01-C*07:02-DRB1*15:01-DRB1*16:02-DRB5*01:01-DQA1*01:02-DQB1*05:02-DQB1*06:02-DPA1*02:02-DPB1*02:02-DPB1*05:01.

The likely associations for this cell are A*11:01-B*40:01-DRB1*15:01 and A*24:02-B*39:01-DRB1*16:02, with respective frequencies of HF=0.00339 and HF=0.00057, as seen exclusively in Asians, according to the NMDP Bioinformatics website.

The results for DNA #981 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9.

DNA #982 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*68:01-B*35:21-B*39:05-C*07:02-C*15:02-DRB1*04:07-DRB1*14:02-DRB3*01:01-DRB4*01:03-DQA1*03:01-DQB1*03:02-DPA1*01:03-DPB1*04:02.

The likely class II associations for this cell are DRB1*04:07-DQB1*03:02 and DRB1*14:02-DQB1*03:02, with respective frequencies of HF=0.05700 and HF=0.00140, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #982 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12.

DNA #983 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A*02:01-A*26:01-B*44:02-B*45:01-C*05:01-C*06:02-DRB1*04:01-DRB1*07:01-DRB4*01:01-DRB4*01:03-DQA1*02:01-DQA1*03:01-DQB1*02:02-DQB1*03:02-DPA1*01:03-DPA1*02:01-DPB1*04:01-DPB1*35:01.

A consensus for the first DQB locus could not be reached seeing 90% agreement was not obtained. Two participants reported DQB1*02:02:01:01, 11 reported DQB1*02:02:01, 1 reported DQB1*02:01:01, 6 reported DQB1*02:01:01G, 8 reported DQB1*02:01P, and 36 reported DQB1*02:02. Twenty one percent of participants reported an ambiguity. The ambiguous allele includes both the DQB1*02:02 and DQB1*02:01, thus the consensus could not be agreed upon.

The likely associations for this cell are A*02:01-B*44:02-DRB1*04:01 and A*26:01-B*45:01-DRB1*07:01, with respective frequencies of HF=0.02561 and HF=0.00056, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #983 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15.



DNA Sample	
#981	#984
#982	#985
#983	#986

DNA #984 ASIAN

The consensus type for this sample from an Asian donor is A*11:01-A*11:02-B*13:01-B*15:01-C*04:01-C*12:02-DRB1*04:06-DRB1*15:01-DRB4*01:03-DRB5*01:01-DQA1*01:02-DQA1*03:01-DQB1*03:02-DQB1*06:01-DPA1*01:03-DPB1*02:01.

Four participants mistyped DRB1*04:06 as DRB1*04:03. DRB1*04:06 differs from DRB1*04:03 in exon 2 codon 37 by a single nucleotide substitution (TCC -> TAC), resulting in an amino acid change from tyrosine to serine.

The likely class II associations in this cell are DRB1*04:06-DQB1*03:02 and DRB1*15:01-DQB1*06:01, with respective frequencies of HF=0.02030 and HF=0.03223, as seen exclusively in Asians, according to the NMDP Bioinformatics website.

The results for DNA #984 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18.

DNA #985 ASIAN

The consensus type for this sample from an Asian donor is A*24:02-A*26:01-B*35:05-B*51:01-C*04:01-C*14:02-DRB1*09:01-DRB4*01:03-DQA1*03:02-DQB1*03:03-DPA1*01:03-DPA1*02:02-DPB1*04:02-DPB1*05:01.

The likely class I associations in this cell are A*24:02-B*35:05-C*04:01 and A*26:01-B*51:01-C*14:02, with respective frequencies of HF=0.00114 and HF=0.00132, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #985 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21.

DNA #986 BLACK

The consensus type for this sample from a Black donor is A*02:02-A*32:01-B*08:01-B*45:01-C*07:01-C*16:01-DRB1*03:01-DRB1*03:02-DRB3*01:01-DQA1*04:01-DQA1*05:01-DQB1*02:01-DQB1*04:02-DPA1*01:03-DPA1*02:02-DPB1*01:01-DPB1*04:01.

The consensus for the DRB3/4/5 locus was determined to be DRB3*01:01-DRB3*01:01. Six participants reporting at high resolution could not exclude DRB3*01:62 from the second allele. DRB3*01:62 was assigned on March 31, 2019 and last modified on April 17, 2019.

The likely class II associations in this cell are DRB1*03:01-DQB1*02:01 and DRB1*03:02-DQB1*04:02, with respective frequencies of HF=0.07242 and HF=0.05941, as seen in African Americans, according to the NMDP Bioinformatics website.

The results for DNA #986 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24.

ACKNOWLEDGMENTS:

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Table 1. Summary of the 160th DNA Exchange (DNA #981)

A				B				C			
67 labs High / 78 labs Low		% (n)		68 labs High / 77 labs Low		% (n)		69 labs High / 76 labs Low		% (n)	
A*11:01:01:01	6 (4)	A*24:02:01:01	4 (3)	B*39:01:01:01	1 (1)	B*40:01:02	31(21)	C*07:02:01	29(20)		
A*11:01:01	25(17)	A*24:02:01	26(17)	B*39:01:01	29(20)	B*40:01:01G	7 (5)	C*07:02:01G	9 (6)		
A*11:01:01G	7 (5)	A*24:02:01G	11(7)	B*39:01:01G	4 (3)	B*40:01P	12(8)	C*07:02P	7 (5)		
A*11:01P	10(7)	A*24:02P	11(7)	B*39:01P	9 (6)	B*40:01	50(34)	C*07:02	51(35)		
A*11:01	51(34)	A*24:02	48(32)	B*39:01	54(37)	B*40	100(77)	C*07:01	4 (3)		
A*11	100(78)	A*24	100(78)	B*39:03	1 (1)			C*07	100(76)		
				B*39	99(76)						
				B*14	1 (1)						
DRB1				DRB3/4/5				DQA1			
68 labs High / 79 labs Low		% (n)		38 labs High / 48 labs Low		% (n)		49 labs High / 61 labs Low		% (n)	
DRB1*15:01:01:01	3 (2)	DRB1*16:02:01	34(23)	DRB5*01:01:02:01	5 (2)			DQA1*01:02:01:01	4 (2)	DQA1*01:02:02	37(18)
DRB1*15:01:01	25(17)	DRB1*16:02P	7 (5)	DRB5*01:01:02	42(16)			DQA1*01:02:01	33(16)	DQA1*01:02:01G	8 (4)
DRB1*15:01:01G	7 (5)	DRB1*16:02	59(40)	DRB5*01:01P	47(18)			DQA1*01:02:01G	8 (4)	DQA1*01:02P	2 (1)
DRB1*15:01P	13(9)	DRB1*16	99(78)	DRB5*01:01	5 (2)			DQA1*01:02P	2 (1)	DQA1*01:02	53(26)
DRB1*15:01	51(34)	<i>DRB1*15</i>	1 (1)	DRB5*01	73(35)			DQA1*01:02	53(26)	DQA1*01	98(57)
DRB1*15	100(78)			DRB5*PRESENT	23(11)			DQA1*01	100(61)	<i>DQA1*02</i>	2 (1)
				<i>DRB3*PRESENT</i>	4 (2)						
DQB1				DPA1				DPB1			
65 labs High / 78 labs Low		% (n)		32 labs High / 33 labs Low		% (n)		54 labs High / 35 labs Low		% (n)	
DQB1*05:02:01:01	6 (4)	DQB1*06:02:01:01	8 (5)	DPA1*02:02:02	53(17)			DPB1*02:02:01	20(11)	DPB1*05:01:01	20(11)
DQB1*05:02:01	25(16)	DQB1*06:02:01	20(13)	DPA1*02:02:02G	12(4)			DPB1*02:02:01G	22(12)	DPB1*05:01:01G	24(13)
DQB1*05:02:01G	8 (5)	DQB1*06:02:01G	11(7)	DPA1*02:02	31(10)			DPB1*02:02P	15(8)	DPB1*05:01P	17(9)
DQB1*05:02P	8 (5)	DQB1*06:02P	6 (4)	<i>DPA1*01:03</i>	3 (1)			DPB1*02:02	41(22)	DPB1*05:01	37(20)
DQB1*05:02	54(35)	DQB1*06:02	55(36)	DPA1*02	100(33)			<i>DPB1*02:01</i>	2 (1)	<i>DPB1*04:01</i>	2 (1)
DQB1*05	99(77)	DQB1*06	99(77)					DPB1*02(DP202)	100(35)	DPB*05	100(35)
<i>DQB1*06</i>	1 (1)	<i>DQB1*03</i>	1 (1)								

Discrepant results from consensus are italicized in Tables 1-6

Table 2. Summary of the 160th DNA Exchange (DNA #982)

A				B				C			
67 labs High / 81 labs Low		% (n)		71 labs High / 80 labs Low		% (n)		68 labs High / 78 labs Low		% (n)	
A*02:01:01:01	4 (3)	A*68:01:02:01	9 (6)	B*35:21	100(71)	B*39:05:01:01	10(7)	C*07:02:01:01	3 (2)	C*15:02:01:01	10(7)
A*02:01:01	18(12)	A*68:01:02	15(10)	B*35	99(79)	B*39:05:01	21(14)	C*07:02:01	26(18)	C*15:02:01	19(13)
A*02:01:01G	12(8)	A*68:01:02G	17(11)	<i>B*15</i>	1 (1)	B*39:05:01G	6 (4)	C*07:02:01G	7 (5)	C*15:02:01G	7 (5)
<i>A*02:02:01G</i>	1 (1)	A*68:01P	11(7)			B*39:05P	10(7)	C*07:02P	9 (6)	C*15:02P	13(9)
A*02:01P	15 (10)	A*68:01	48(32)			B*39:05	48(33)	C*07:02	54(37)	C*15:02	48(33)
A*02:01	49(33)	A*68	100(81)			<i>B*39:01</i>	4 (3)	C*07	100(78)	C*07:02	1 (1)
A*02	100(81)					B*39	99(79)			C*15	100(78)
						<i>B*38</i>	1 (1)				
DRB1				DRB3/4/5				DQA1			
69 labs High / 83 labs Low		% (n)		39 labs High / 49 labs Low				52 labs High / 65 labs Low		% (n)	
DRB1*04:07:01	25(17)	DRB1*14:02:01	28(19)	DRB3*01:01:02	36(14)	DRB4*01:03:01	42(16)	DQA1*03:01:01	35(18)	DQA1*03:01:01	37(18)
DRB1*04:07:01G	7 (5)	DRB1*14:02	71(48)	DRB3*01:01:02G	8 (3)	DRB4*01:01:01G	5 (2)	DQA1*03:01:01G	4 (2)	DQA1*03:01:01G	6 (3)
DRB1*04:07P	13(9)	<i>DRB1*14:07</i>	1 (1)	DRB3*01:01P	8 (3)	DRB4*01:01P	3 (1)	DQA1*03:01P	6 (3)	DQA1*03:01P	8 (4)
DRB1*04:07	51(35)	DRB1*14	99(82)	DRB3*01:01	49(19)	DRB4*01:03	45(17)	DQA1*03:01	56(29)	DQA1*03:01	47(23)
<i>DRB1*04:05</i>	3 (2)	<i>DRB1*03</i>	1 (1)	DRB3*01	71(35)	<i>DRB4*01:01</i>	5 (2)	DQA1*03	100(65)	<i>DQA1*03:03</i>	2 (1)
<i>DRB1*04:02</i>	1 (1)			DRB3*PRESENT	29(14)	DRB4*01	71(35)			DQA1*03	100(61)
DRB1*04	99(82)					DRB4*PRESENT	29(14)				
<i>DRB1*07</i>	1 (1)										
DQB1				DPA1				DPB1			
66 labs High / 82 labs Low		% (n)		31 labs High / 37 labs Low		% (n)		51 labs High / 36 labs Low		% (n)	
DQB1*03:02:01	17(11)			DPA1*01:03:01	48(15)			DPB1*04:02:01	35(18)		
DQB1*03:02:01G	15(10)			DPA1*01:03:01G	6 (2)			DPB1*04:02:01G	8 (4)		
DQB1*03:02P	8 (5)			DPA1*01:03P	6 (2)			DPB1*04:02P	12(6)		
DQB1*03:02	61(40)			DPA1*01:03	39(12)			DPB1*04:02	45(230)		
DQB1*03	100(82)			DPA1*01	100(37)			DPB1*04(DP402)	97(35)		
								<i>DPB1*04(DP401)</i>	3 (1)		

Discrepant results from consensus are italicized in Tables 1-6

Table 3. Summary of the 160th DNA Exchange (DNA #983)

A				B				C			
66 labs High / 84 labs Low		% (n)		67 labs High / 84 labs Low		% (n)		67 labs High / 80 labs Low		% (n)	
A*02:01:01:01	6 (4)	A*26:01:01:01	12(8)	B*44:02:01:01	6 (4)	B*45:01:01	34(23)	C*05:01:01:02	6 (4)	C*06:02:01:03	4 (3)
A*02:01:01	27(18)	A*26:01:01	25(16)	B*44:02:01	29(19)	B*45:01:01G	4 (3)	C*05:01:01	28(19)	C*06:02:01	30(20)
A*02:01:01G	8 (5)	A*26:01:01G	8 (5)	B*44:02:01G	8 (5)	B*45:01P	10(7)	C*05:01:01G	7 (5)	C*06:02:01G	7 (5)
A*02:01P	14(9)	A*26:01P	11(7)	B*44:02P	12(8)	B*45:01	51(34)	C*05:01P	7 (5)	C*06:02P	7 (5)
A*02:01	45(30)	A*26:01	45(29)	B*44:02	43(28)	B*45	99(83)	C*05:01	51(34)	C*06:02	51(34)
A*02	100(84)	A*26	100(84)	<i>B*40:02</i>	1 (1)	<i>B*40</i>	1 (1)	C*05	100(80)	C*06	100(80)
				B*44	100(84)						
DRB1				DRB3/4/5				DQA1			
68 labs High / 85 labs Low		% (n)		38 labs High / 54 labs Low		% (n)		53 labs High / 65 labs Low		% (n)	
DRB1*04:01:01	31(21)	DRB1*07:01:01:01	1 (1)	DRB4*01:01:01:01	5 (2)	DRB4*01:03:01	47(18)	DQA1*02:01:01	38(20)	DQA1*03:01:01	40(21)
DRB1*04:01P	16(11)	DRB1*07:01:01	26(18)	DRB4*01:01:01	43(16)	DRB4*01:01:01G	3 (1)	DQA1*02:01:01G	4 (2)	DQA1*03:01:01G	6 (3)
DRB1*04:01	52(35)	DRB1*07:01:01G	9 (6)	<i>DRB4*01:03:01</i>	3 (1)	DRB4*01:01P	3 (1)	DQA1*02:01	58(31)	DQA1*03:01P	4 (2)
DRB1*04	100(84)	DRB1*07:01P	16(11)	DRB4*01:01:01G	5 (2)	DRB4*01:03	42(16)	DQA1*02	100(65)	DQA1*03:01	49(26)
		DRB1*07:01	47(32)	DRB4*01:01P	3 (1)	<i>DRB4*01:01</i>	5 (2)			<i>DQA1*03:03</i>	2 (1)
		DRB1*07	100(85)	DRB4*01:01	40(15)	DRB4*01	72(33)			DQA1*03	100(65)
				DRB4*01	41(37)	DRB4*PRESENT	28(13)				
				DRB4*PRESENT	18(16)						
				<i>DRB3*PRESENT</i>	1 (1)						
DQB1				DPA1				DPB1			
64 labs High / 83 labs Low		% (n)		33 labs High / 37 labs Low		% (n)		54 labs High / 37 labs Low		% (n)	
DQB1*02:02:01:01	3 (2)	DQB1*03:02:01	18(12)	DPA1*01:03:01:02	9 (3)	DPA1*02:01:01	45(15)	DPB1*04:01:01	33(18)	DPB1*35:01:01	44(24)
DQB1*02:02:01	17(11)	DQB1*03:02:01G	15(10)	DPA1*01:03:01	42(14)	DPA1*02:01:01G	12(4)	DPB1*04:01:01G	9 (5)	DBP1*35:01P	7 (4)
DQB1*02:01:01	2 (1)	DQB1*03:02P	12(8)	DPA1*01:03:01G	6 (2)	DPA1*02:01P	9 (3)	DPB1*04:01P	11(6)	DBP1*35:01	48(26)
DQB1*02:01:01G	9 (6)	DQB1*03:02	54(36)	DPA1*01:03P	6 (2)	DPA1*02:01	33(11)	DPB1*04:01	44(24)	DBP1*35	100(37)
DQB1*02:01P	12(8)	DQB1*03	100(83)	DPA1*01:03	36(12)	DPA1*02	100(37)	<i>DPB1*121:01</i>	2 (1)		
DQB1*02:02	56(36)			DPA1*01	100(37)			DPB1*04(DP401)	100(37)		
DQB1*02	100(83)										

Discrepant results from consensus are italicized in Tables 1-6

Table 4. Summary of the 160th DNA Exchange (DNA #984)

A				B				C			
65 labs High / 80 labs Low		% (n)		67 labs High / 80 labs Low		% (n)		67 labs High / 77 labs Low		% (n)	
A*11:01:01:01	6 (4)	A*11:02:01:01	3 (2)	B*13:01:01	36(24)	B*15:01:01:01	11(7)	C*04:01:01	32(21)	C*12:02:02:01	9 (6)
A*11:01:01	28(18)	A*11:02:01	37(24)	B*13:01:01G	6 (4)	B*15:01:01	25(16)	C*04:01:01G	11(7)	C*12:02:02	25(17)
A*11:01:01G	11(7)	A*11:02:01G	9 (6)	B*13:01P	7 (5)	B*15:01:01G	9 (6)	C*04:01P	8 (5)	C*12:02:01	1 (1)
A*11:01P	11 (7)	A*11:02P	6 (4)	B*13:01	51(34)	B*15:01P	12(8)	C*04:01	49(32)	C*12:02:01G	7 (5)
A*11:01	44(28)	A*11:02	40(26)	B*13	99(79)	B*15:01	43(28)	C*04	100(77)	C*12:02P	4 (3)
A*11	100(80)	<i>A*11:01</i>	4 (3)	<i>B*44</i>	1 (1)	B*15	100(80)			C*12:02	52(35)
		A*11	97(75)							C*12	99(76)
		<i>A*24</i>	1 (1)							<i>C*04</i>	1 (1)
		<i>A*23</i>	1(1)								

DRB1				DRB3/4/5				DQA1			
69 labs High / 81 labs Low		% (n)		38 labs High / 53 labs Low		% (n)		50 labs High / 62 labs Low		% (n)	
DRB1*04:06:01	36(25)	DRB1*15:01:01:01	3 (2)	DRB4*01:03:01	47(18)	DRB5*01:01:01	49(18)	DQA1*01:02:01:03	4 (2)		
DRB1*04:06:01G	1 (1)	DRB1*15:01:01	27(17)	DRB4*01:01:01G	3 (1)	DRB5*01:01:01G	3 (1)	DQA1*01:02:01	32(16)		
DRB1*04:06P	7 (5)	DRB1*15:01:01G	8 (5)	DRB4*01:01P	3 (1)	DRB5*01:01P	5 (2)	DQA1*01:02:01G	6 (3)		
DRB1*04:06	49(34)	DRB1*15:01P	17(11)	DRB4*01:03	42(16)	DRB5*01:01	43(16)	DQA1*01:02P	4 (2)		
<i>DRB1*04:03</i>	6 (4)	DRB1*15:01	45(29)	<i>DRB4*01:01</i>	5 (2)	DRB5*01	72(38)	DQA1*01:02	52(26)		
DRB1*04	100(81)	DRB1*15	100(81)	DRB4*01	72(38)	DRB5*PRESENT	28(15)	<i>DQA1*01:01</i>	2 (1)		
				DRB4*PRESENT	28(15)			DQA1*01	100(62)		

DQB1				DPA1				DPB1			
66 labs High / 79 labs Low		% (n)		33 labs High / 37 labs Low		% (n)		55 labs High / 39 labs Low		% (n)	
DQB1*03:02:01	17(11)	DQB1*06:01:01:01	4 (3)	DPA1*01:03:01	45(15)			DPB1*02:01:02:11	5 (3)	DPB1*02:01:05	44(24)
DQB1*03:02:01G	20(13)	DQB1*06:01:01	14(9)	DPA1*01:03:01G	6 (2)			DPB1*02:01:02	33(18)	DPB1*02:01:02G	4 (2)
DQB1*03:02P	12(8)	DQB1*06:01:01G	18(12)	DPA1*01:03P	9 (3)			DPB1*02:01:02G	11(6)	DBP1*02:01P	11(6)
DQB1*03:02	51(34)	DQB1*06:01P	11(7)	DPA1*01:03	39(13)			DPB1*02:01P	11(6)	DBP1*02:01	41(22)
DQB1*03	100(79)	DQB1*06:01	53(35)	DPA1*01	100(37)			DPB1*02:01	40(22)	DBP1*02(DP201)	100(37)
		DQB1*06	100(79)					DPB1*02(DP201)	100(39)		

Discrepant results from consensus are italicized in Tables 1-6

Table 5. Summary of the 160th DNA Exchange (DNA #985)

A				B				C			
65 labs High / 76 labs Low		% (n)		65 labs High / 76 labs Low		% (n)		67 labs High / 73 labs Low		% (n)	
A*24:02:01:01	4 (3)	A*26:01:01:01	15(10)	B*35:05:01:01	12(8)	B*51:01:01:01	5 (3)	C*04:01:01	33(22)	C*14:02:01:01	1 (1)
A*24:02:01	28(18)	A*26:01:01	21(14)	B*35:05:01	31(20)	B*51:01:01	29(19)	C*04:01:01G	12(8)	C*14:02:01	34(23)
A*24:02:01G	14(9)	A*26:01:01G	11(7)	B*35:05P	8 (5)	B*51:01:01G	12(8)	C*04:01P	9 (6)	C*14:02:01G	9 (6)
A*24:02P	12(8)	A*26:01P	14(9)	B*35:05	48(31)	B*51:01P	14(9)	C*04:01	46(31)	C*14:02P	7 (5)
A*24:02	41(27)	A*26:01	38(25)	<i>B*35:01</i>	1 (1)	B*51:01	40(26)	C*04	100(73)	C*14:02	48(32)
A*24	100(76)	A*26	100(76)	B*35	99(75)	B*51	100(76)			C*14	100(72)
				<i>B*53</i>	1 (1)						

DRB1				DRB3/4/5				DQA1			
68 labs High / 78 labs Low		% (n)		37 labs High / 50 labs Low				47 labs High / 60 labs Low		% (n)	
DRB1*09:01:02	15(10)			DRB4*01:03:01	3 (1)			DQA1*03:02:01:01			
DRB1*09:01:02G	28(19)			DRB4*01:03:03	49(18)			DQA1*03:02:01			
DRB1*09:01P	19(13)			DRB4*01:01:01G	3 (1)			DQA1*03:02:01G			
DRB1*09:01	38(25)			DRB4*01:01P	3 (1)			DQA1*03:02P			
DRB1*09	99(77)			DRB4*01:03	40(15)			DQA1*03:02			
<i>DRB1*07</i>	1 (1)			<i>DRB4*01:01</i>	5 (2)			DQA1*03			
				DRB4*01	76(38)						
				DRB4*PRESENT	24(12)						

DQB1				DPA1				DPB1			
67 labs High / 75 labs Low		% (n)		31 labs High / 35 labs Low		% (n)		55 labs High / 39 labs Low		% (n)	
DQB1*03:03:02:01	1 (1)			DPA1*01:03:01	52(16)	DPA1*02:02:02	52(16)	DPB1*04:02:01	26(14)	DPB1*05:01:01	25(14)
DQB1*03:03:02:02	3 (2)			DPA1*01:03:01G	6 (2)	DPA1*02:02P	10(3)	DPB1*04:02:01G	20(11)	DPB1*05:01:01G	22(12)
DQB1*03:03:02	28(19)			DPA1*01:03P	6 (2)	DPA1*02:02	32(10)	DPB1*04:02P	15(8)	DPB1*05:01P	11(6)
DQB1*03:03:02G	9 (6)			DPA1*01:03	35(11)	<i>DPA1*02:07</i>	3 (1)	DPB1*04:02	39(21)	DPB1*05:01	42(23)
DQB1*03:03P	10(7)			DPA1*01	100(35)	<i>DPA1*02:01</i>	3 (1)	DPB1*04(DP402)	97(3)	DPB1*05	100(39)
DQB1*03:03	46(31)					DPA1*02	100(35)	<i>DPB1*04(DP401)</i>	3 (1)		
DQB1*03:02	1 (1)										
DQB1*03	100(75)										

Discrepant results from consensus are italicized in Tables 1-6

Table 6. Summary of the 160th DNA Exchange (DNA #986)

A				B				C			
66 labs High / 76 labs Low		% (n)		68 labs High / 76 labs Low		% (n)		65 labs High / 73 labs Low		% (n)	
A*02:02:01:01	12(8)	A*32:01:01:01	6 (4)	B*08:01:01:01	8 (5)	B*45:01:01	32(22)	C*07:01:01:01	2 (1)	C*16:01:01:01	14(9)
A*02:02:01	27(18)	A*32:01:01	27(18)	B*08:01:01	26(17)	B*45:01:01G	10(7)	C*07:01:01	35(22)	C*16:01:01	25(16)
A*02:02:01G	4 (3)	A*32:01:01G	9 (6)	B*08:01:01G	11(7)	B*45:01P	13(9)	C*07:01:01G	14(9)	C*16:01:01G	8 (5)
A*02:02	56(37)	A*32:01P	14(9)	B*08:01P	14(9)	B*45:01	44(30)	C*07:01P	14(9)	C*16:01P	11(7)
A*02	100(76)	A*32:01	44(29)	B*08:01	41(27)	B*45	100(76)	C*07:01	35(22)	C*16:01	43(28)
		A*32	100(76)	B*08	100(76)			C*07	100(72)	C*16	99(72)
										C*12	1 (1)
DRB1				DRB3/4/5				DQA1			
69 labs High / 76 labs Low		% (n)		37 labs High / 49 labs Low		% (n)		46 labs High / 58 labs Low		% (n)	
DRB1*03:01:01:01	4 (3)	DRB1*03:02:01	38(26)	DRB3*01:01:02	40(15)	DRB3*01:01:02	31(10)	DQA1*04:01:01:04	2 (1)	DQA1*05:01:01:02	15(7)
DRB1*03:01:01	17(12)	DRB1*03:02P	7 (5)	DRB3*01:01:02G	8 (3)	DRB3*01:01:02G	19(6)	DQA1*04:01:01	45(18)	DQA1*05:01:01	28(13)
DRB1*03:01:01G	14(10)	DRB1*03:02	52(36)	DRB3*01:01P	5 (2)	DRB3*01:01P	9 (3)	DQA1*04:01:01G	45(18)	DQA1*05:01:01G	4 (2)
DRB1*03:01P	17(12)	<i>DRB1*03:05</i>	1 (1)	DRB3*01:01	46(17)	DRB3*01:01	41 (13)	DQA1*04:01P	5 (2)	DQA1*05:01P	4 (2)
DRB1*03:01	46(32)	<i>DRB1*03:01</i>	1 (1)	DRB3*01	73(36)	DRB3*01	74(29)	DQA1*04:01	2 (1)	DQA1*05:01	48(22)
DRB1*03	99(75)	DRB1*03	99(73)	DRB3*PRESENT	26(13)	DRB3*PRESENT	23(9)	DQA1*04	100(58)	DQA1*05	100(58)
DRB1*01	1 (1)	<i>DRB1*15</i>	1 (1)			<i>DRB4*PRESENT</i>	3 (1)				
DQB1				DPA1				DPB1			
65 labs High / 75 labs Low		% (n)		30 labs High / 34 labs Low		% (n)		52 labs High / 36 labs Low		% (n)	
DQB1*02:01:01	28(18)	DQB1*04:02:01:08	5 (3)	DPA1*01:03:01:02	7 (2)	DPA1*02:02:02:04	17(5)	DPB1*01:01:01	33(17)	DPB1*04:01:01	33(17)
DQB1*02:01:01G	15(10)	DQB1*04:02:01	23(15)	DPA1*01:03:01	47(14)	DPA1*02:02:02	40(12)	DPB1*01:01:01G	15(8)	DPB1*04:01:01G	16(8)
DQB1*02:01P	11(7)	DQB1*04:02:02G	11(7)	DPA1*01:03:01G	7 (2)	DPA1*02:02P	10(3)	DPB1*01:01P	15(8)	DPB1*04:01P	16(8)
DQB1*02:01	46(30)	DQB1*04:02P	11(7)	DPA1*01:03P	7 (2)	DPA1*02:02	30(9)	DPB1*01:01	36(19)	DPB1*04:01	35(18)
DQB1*02	100(75)	DQB1*04:02	51(33)	DPA1*01:03	33(10)	<i>DPA1*02:07</i>	3 (1)	DPB1*01	100(36)	DPB1*04(DP401)	100(35)
		DQB1*04	100(75)	DPA1*01	100(34)	DPA1*02	100(34)				

Discrepant results from consensus are italicized in Tables 1-6

Table 7. Individual laboratory results for DNA # 981 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01G	05:01:01G
16	11:01:01:01	24:02:01:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01:01	01:02:02	05:02:01:01	06:02:01:01	02:02:02	02:02:02	02:02:01	05:01:01
124	11:01:01:01	24:02:01:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01G	05:01:01G
134	11:01	24:02	39:01	40:01	07:01	07:02	15:01	16:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	11:01:01G	24:02:01G	39:01:01G	40:01:01G	07:02:01G	07:02:01G	15:01P	16:02P	5*01:01P	5*01:01P	01:02:01G	01:02:01G	05:02P	06:02P	NT	NT	02:02:01G	05:01:01G
188	11:01	24:02	39:01	40:01	07:02	07:02	15:01P	16:02	NT	NT	01:02	01:02	05:02	06:02:01:01	02:02	02:02	02:02P	05:01P
189	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
192	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02	02:02:02	02:02:02	02:02:01	05:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02	05:01
205	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	NT	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
207	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	NT	NT	02:02P	05:01P
213	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	NT	NT	02:02	05:01
218	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02					05:02	06:02			02:02	05:01
227	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
258	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02	02:02:02	02:02:02	02:02:01	05:01:01
264	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01G	05:01:01G
274	11:01:01:01	24:02:01:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01:01	01:02:02	05:02:01:01	06:02:01:01	02:02:02	02:02:02	02:02:01G	05:01:01G
279	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	NT	NT	02:02	05:01
282	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
294	11:01	24:02	39:01P	40:01P	07:02	07:02	15:01	16:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	NT	NT	01:02:01	01:02:02	05:02:01:01	06:02:01:01	NT	NT	02:02:01G	05:01:01G
323	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
338	11:01	24:02	39:01	40:01	07:02	NT	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	02:02	05:01
403	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01G	16:02:01	NT	NT	NT	NT	05:02:01	06:02	NT	NT	02:02:01	05:01:01
519	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
702	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	NT	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
726	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
805	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	01:02	NT	NT	02:02P	02:02P	02:02	05:01
2063	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
2862	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
3325	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
3410	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	02:02	05:01
3438	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	NT	NT	NT	NT	05:02:01	06:02:01	NT	NT	NT	NT
3614	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
4551	11:01	24:02	39:01	40:01	07:02	NT	15:01	16:02	5*01:01	NT	01:02	01:02	05:02	06:02	NT	NT	02:02:01G	05:01:01G
4709	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	NT	NT	02:02P	05:01P
5451	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01	05:01:01
14982	11:01:01	24:02:01	39:01:01	40:01:02	07:02:01	07:02:01	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01G	05:01:01G
45452	11:01:01	24:02:01	39:01:01	40:01:02	07:02	07:02	15:01:01	16:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:02	05:02:01	06:02:01	02:02:02	02:02:02	02:02:01G	05:01:01G

Final Consensus based on High Resolution	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
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Table 8. Individual laboratory results for DNA # 981 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	11:01P	24:02P	39:01P	40:01P	07:02P	07:02P	15:01P	16:02P	NT	NT	01:02:01G	01:02:01G	05:02:01G	06:02:01G	02:02P	02:02P	02:02	05:01:01G
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
160	11:01P	24:02P	39:01P	40:01P	07:02P	07:02P	15:01P	16:02:01	5*01:01P	5*01:01P	01:02:01	01:02:02	05:02P	06:02P	02:02P	02:02P	02:02P	05:01P
162	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02:01G	NT	NT	NT	NT
173	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	01:02	01:02	05:02	06:02	NT	NT	NT	NT
176	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
190	11:01:01:01	24:02:01G	39:01:01:01	40:01:02	07:02:01G	07:02:01G	15:01:01:01	16:02:01	NT	NT	NT	NT	05:02:01:01	06:02:01:01	NT	NT	NT	NT
193	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
209	11:01:01G	24:02:01G	39:01:01G	40:01:01G	07:02:01G	07:02:01G	15:01:01G	16:02:01	5*01:01:01G	5*01:01:01G	01:02:01G	01:02:01G	05:02:01G	06:02:01G	NT	NT	02:02P	05:01P
238	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	NT	NT	NT	NT
239	NT	NT	NT	40:01	07:02	NT	NT	NT	NT	NT	01:02	01:02	NT	06:02	NT	NT	02:02	05:01P
240	11:01P	24:02P	39:01	40:01P	07:02	07:02	15:01P	16:02	NT	NT	01:02	01:02	05:02P	06:02:01G	NT	NT	02:02P	05:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	15:01	16:02	NT	NT	01:02	01:02	05:02	06:02	NT	NT	NT	NT
267	11:01	24:02	39:01	40:01	07:01	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	NT	NT	NT	NT
273	11:01P	24:02P	39:01P	40:01P	07:02P	07:02P	15:01P	16:02P	5*01:01	5*01:01	01:02P	01:02P	05:02P	06:02P	NT	NT	NT	NT
278	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
280	11:01	24:02:01G	39:01	40:01:01G	07:02	07:02	15:01:01G	16:02	NT	NT	NT	NT	05:02:01G	06:02:01G	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
292	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
307	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	01:02	01:02	05:02	06:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	11:01:01G	24:02:01G	39:01	40:01	07:02:01G	07:02:01G	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	15:01	16:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	11:01	24:02	39:03	40:01	07:01	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	01:03	02:01	02:01	04:01
402	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	02:02	05:01
714	11:01P	24:02P	39:01P	40:01P	07:02P	07:02P	15:01P	16:02P	NT	NT	NT	NT	05:02P	06:02P	02:02P	02:02P	02:02P	05:01P
1251	NT	NT	NT	NT	NT	NT	NT	NT	5*01:01	5*01:01	NT	NT	NT	NT	NT	NT	02:02	05:01
1686	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	01:02	NT	NT	02:02:02	02:02:02	02:02	05:01
2015	11:01P	24:02P	39:01P	40:01P	07:02P	07:02P	15:01P	16:02P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	NT	NT	NT	NT	05:02	06:02	NT	NT	NT	NT
2549	11:01:01G	24:02:01G	39:01	40:01:01G	07:02:01G	07:02:01G	15:01:01G	16:02	NT	NT	01:02:01G	01:02:01G	05:02:01G	06:02:01G	02:02	02:02	02:02:01G	05:01:01G
3582	11:01:01G	24:02:01G	39:01:01G	40:01:01G	07:02:01G	07:02:01G	15:01:01G	16:02	5*01:01:01G	5*01:01:01G	NT	NT	05:02:01G	06:02:01G	NT	NT	02:02:01G	05:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02P	05:01P
3625	11:01	24:02	39:01	40:01	07:02	07:02	NT	NT	NT	NT	01:02	01:02	05:02	06:02	NT	NT	02:02	05:01
3849	NT	NT	39:01	NT	07:02	07:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02:01G	05:01:01G
4237	11:01P	24:02P	39:01	40:01P	07:02:01	07:02:01	15:01P	16:02:01	5*01:01	NT	01:02	01:02	05:02	06:02	NT	NT	NT	NT
4420	11:01	NT	39:01	40:01	07:02	07:02	NT	16:02	NT	NT	NT	NT	05:02	NT	NT	NT	02:02	05:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	11:01	24:02	39:01	40:01	07:02	07:02	15:01	16:02	5*01:01	5*01:01	01:02	01:02	05:02	06:02	02:02	02:02	02:02	05:01
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Table 9. Individual laboratory results for DNA # 981 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	NT	05	06	NT	NT	NT	NT
138	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
142	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	NT	NT
144	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	11	24	39	40	07	07	15	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
151	11	24	39	40	07	07	15	16	NT	NT	NT	NT	05	06	NT	NT	02(DP202)	05
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
189	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	NT	NT
190	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
192	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
195	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
199	NT	NT	NT	NT	NT	NT	15	15	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	11	24	39	40	07	07	15	16	5*01	NT	01	01	05	06	02	02	02(DP202)	05
207	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	06	NT	NT	NT	NT
213	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	02(DP202)	05
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
227	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
228	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
238	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	NT	NT
239	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	NT	NT
240	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	11	24	39	40	07	07	NT	16	NT	NT	01	01	05	06	NT	NT	NT	NT
245	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
252	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
255	11	24	39	40	NT	NT	15	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
262	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	01	01	05	06	NT	NT	NT	NT
265	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
266	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
267	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	NT	NT
273	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	NT	NT
274	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
278	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
279	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
280	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
282	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
285	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
286	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
288	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
290	11	24	39	40	NT	NT	15	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
294	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	NT	NT
300	11	24	39	40	07	07	15	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
304	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT

Table 9. Individual laboratory results for DNA # 981 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
305	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
307	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
309	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
310	11	24	39	40	NT	NT	15	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
318	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	02	02	02(DP202)	05
323	11	24	39	40	07	07	15	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
324	11	24	14	40	07	NT	15	16	5*PRESENT	3*PRESENT	NT	NT	05	03	NT	NT	NT	NT
328	11	24	39	40	07	07	15	16	NT	NT	01	02	05	06	NT	NT	NT	NT
329	11	24	39	40	07	NT	15	16	3*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
336	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
337	11	24	39	40	07	07	15	16	5*PRESENT	NT	NT	NT	05	06	NT	NT	NT	NT
338	11	24	39	40	07	NT	15	16	NT	NT	NT	NT	05	06	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
702	11	24	39	40	07	07	15	16	5*01	NT	01	01	05	06	02	02	02(DP202)	05
714	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
805	11	24	39	40	07	07	15	16	5*01	5*01	NT	NT	05	06	NT	NT	NT	NT
1189	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
1212	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
1251	11	24	39	40	07	07	15	16	5*01	5*01	NT	NT	05	06	NT	NT	02(DP202)	05
1647	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	01	01	05	06	02	02	02(DP202)	05
1686	11	24	39	40	07	07	15	16	5*01	NT	01	01	05	06	02	NT	02(DP202)	05
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	11	24	39	40	07	07	15	16	5*PRESENT	5*PRESENT	01	01	05	06	02	02	02(DP202)	05
2549	NT	NT	NT	NT	NT	NT	NT	NT	5*01	NT	NT	NT	NT	NT	NT	NT	NT	NT
3438	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
3600	11	24	39	40	07	07	15	16	5*01	NT	01	01	05	06	02	02	NT	NT
3625	11	24	39	40	07	07	15	16	5*01	NT	01	01	05	06	02	02	02(DP202)	05
3849	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
4237	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
4420	11	24	39	40	07	07	15	16	NT	NT	01	NT	05	06	NT	NT	02(DP202)	05
4551	11	24	39	40	07	NT	15	16	5*01	NT	01	01	05	06	NT	NT	02(DP202)	05
4582	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
4585	11	24	39	40	07	07	15	16	NT	NT	01	01	05	06	NT	NT	NT	NT
4709	NT	NT	NT	NT	07	07	NT	NT	5*01	5*01	NT	NT	NT	NT	NT	NT	NT	NT
8050	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
9221	11	24	39	40	07	NT	15	16	5*01	5*01	01	NT	05	06	02	NT	02(DP202)	05
9222	11	24	NT	NT	07	07	15	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	11	24	39	40	07	07	15	16	5*01	5*01	01	01	05	06	02	02	02(DP202)	05
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Table 10. Individual laboratory results for DNA # 982 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01G	68:01:02G	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01G	03:02:01G	01:03:01	01:03:01	04:02:01	04:02:01
16	02:01:01:01	68:01:02:01	35:21	39:05:01:01	07:02:01:01	15:02:01:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
124	02:01:01:01	68:01:02:01	35:21	39:05:01:01	07:02:01	15:02:01:01	04:07:01	14:02:01	3*01:01:02G	4*01:03:01	03:01:01	03:01:01	03:02:01G	03:02:01G	01:03:01	01:03:01	04:02:01	04:02:01
134	02:01	68:01	35:21	39:05	07:02	15:02	04:02	14:07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	02:01:01G	68:01:02G	35:21	39:05:01G	07:02:01G	15:02:01G	04:07P	14:02	3*01:01P	4*01:01P	03:01:01G	03:01:01G	03:02P	03:02P	NT	NT	04:02:01G	04:02:01G
188	02:01	68:01:02:01	35:21	39:05:01:01	07:02	15:02:01:01	04:07P	14:02	NT	NT	03:01:01	03:01:01	03:02	03:02	01:03	01:03	NT	NT
189	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	NT	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
192	02:01:01	68:01:02:01	35:21	39:05:01	07:02:01	15:02:01:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02	03:02	01:03:01	01:03:01	04:02:01	04:02:01
195	NT	NT	35:21	NT	NT	NT	NT	NT	NT	NT	03:01	NT	NT	NT	NT	NT	04:02	04:02
205	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
207	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	NT	NT	04:02	04:02
213	02:01	68:01	35:21	39:01	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	NT	NT	04:02	04:02
218	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	04:02	04:02
227	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
258	02:01:01	68:01:02:01	35:21	39:05:01:01	07:02:01	15:02:01:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02	03:02	01:03:01	01:03:01	04:02:01	04:02:01
264	02:01:01G	68:01:02G	35:21	39:05:01	07:02:01	15:02:01G	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
274	02:01:01G	68:01:02G	35:21	39:05:01:01	07:02:01:01	15:02:01:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01G	03:02:01G	01:03:01	01:03:01	04:02:01	04:02:01
279	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	NT	NT	04:02	04:02
282	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
294	02:01P	68:01	35:21	39:05P	07:02P	15:02P	04:07P	14:02	3*01:01P	NT	03:01	03:01	NT	NT	NT	NT	NT	NT
298	02:02:01G	68:01:02G	35:21	39:05:01:01	07:02:01	15:02:01	04:07:01	14:02:01	NT	NT	03:01:01	03:01:01	03:02:01	03:02:01	NT	NT	04:02:01	04:02:01
323	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
338	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	NT	NT	NT	04:02	NT
403	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01G	14:02:01	NT	NT	NT	NT	03:02:01G	03:02:01G	NT	NT	04:02:01	04:02:01
519	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
702	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
726	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
805	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
1212	NT	NT	35:21	NT	NT	NT	NT	NT	NT	NT	03:01	03:01	NT	NT	01:03	01:03	04:02	04:02
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2862	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
3325	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
3410	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	04:02	04:02
3438	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07	14:02	NT	NT	NT	NT	03:02:01	03:02:01	NT	NT	NT	NT
3614	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
4551	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	NT	03:02	NT	NT	NT	04:02	NT
4709	02:01P	68:01P	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	NT	NT	04:02	04:02
5451	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01	03:02:01	01:03:01	01:03:01	04:02:01	04:02:01
14982	02:01:01	68:01:02	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01G	03:02:01G	01:03:01	01:03:01	04:02:01	04:02:01
45452	02:01:01G	68:01:02G	35:21	39:05:01	07:02:01	15:02:01	04:07:01	14:02:01	3*01:01:02	4*01:03:01	03:01:01	03:01:01	03:02:01G	03:02:01G	01:03:01	01:03:01	04:02:01	04:02:01

Final Consensus based on High Resolution	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
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Table 11. Individual laboratory results for DNA # 982 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01P	68:01:02G	35:21	39:05P	07:02P	15:02P	04:07P	14:02	NT	NT	03:01	03:01:01G	03:02:01G	03:02:01G	01:03:01G	01:03:01G	04:02P	04:02P
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
160	02:01P	68:01P	35:21	39:05P	07:02P	15:02P	04:07P	14:02	3*01:01P	4*01:03:01	03:01:01	03:01:01	03:02P	03:02P	01:03P	01:03P	04:02:01	04:02:01
162	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
173	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	03:01	03:03	03:02	03:02	NT	NT	NT	NT
176	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
190	02:01:01:01	68:01:02:01	35:21	39:05:01:01	07:02:01G	15:02:01:01	04:07:01	14:02:01	NT	NT	NT	NT	03:02:01	03:02:01	NT	NT	NT	NT
193	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
209	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01:02G	4*01:01:01G	03:01P	03:01P	03:02	03:02	NT	NT	04:02P	04:02P
238	02:01P	68:01	35:21	39:05	07:02	15:02P	04:07	14:02	3*01:01	4*01:03	03:01	03:01P	03:02	03:02	NT	NT	NT	NT
239	NT	68:01	35:21	NT	07:02	15:02	NT	NT	3*01:01	4*01:03	03:01	03:01	03:02	03:02	NT	NT	04:02P	04:02P
240	02:01P	68:01P	35:21	39:05	07:02	15:02P	04:07P	14:02	NT	NT	03:01P	03:01P	03:02P	03:02P	NT	NT	04:02P	04:02P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	NT	NT	NT	NT	NT	NT	NT
262	02:01	NT	NT	NT	NT	NT	04:07	14:02	NT	NT	03:01	03:01	03:02	03:02	NT	NT	NT	NT
267	02:01	68:01	35:21	39:01	07:02	15:02	04:07	14:02	3*01:01	4*01:01	03:01	03:01	03:02	03:03	NT	NT	NT	NT
273	02:01P	68:01P	35:21	39:05P	07:02P	15:02P	04:07P	14:02	3*01:01	4*01:03	03:01P	03:01P	03:02P	03:02P	NT	NT	NT	NT
278	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
280	02:01	68:01:02G	35:21	39:05:01G	07:02	15:02:01G	04:07:01G	14:02	NT	NT	NT	NT	03:02:01G	03:02:01G	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
292	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
307	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	03:01	03:01	03:02	03:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:01:01G	68:01:02G	35:21	39:05	07:02:01G	15:02	04:07:01G	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	04:05	14:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02:01	68:01	35:21	39:01	07:02	07:02	04:05	14:02	3*01:01	4*01:01	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
402	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	04:02	04:02
714	02:01P	68:01P	35:21	39:05P	07:02P	15:02P	04:07P	14:02	NT	NT	NT	NT	03:02P	03:02P	01:03P	01:03P	04:02P	04:02P
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02	04:02
1686	NT	NT	35:21	NT	NT	NT	04:07	NT	NT	NT	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
2015	02:01P	68:01P	35:21	39:05P	07:02P	15:02P	04:07P	14:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	NT	NT	03:02	03:02	NT	NT	NT	NT
2549	02:01:01G	68:01:02G	35:21	39:05	07:02:01G	15:02:01G	04:07:01G	14:02	NT	NT	03:01:01G	03:01:01G	03:02:01G	03:02:01G	01:03:01G	01:03:01G	04:02:01G	04:02:01G
3582	02:01:01G	68:01:02G	35:21	39:05:01G	07:02:01G	15:02:01G	04:07:01G	14:02	3*01:01:02G	4*01:01:01G	NT	NT	03:02:01G	03:02:01G	NT	NT	04:02:01G	04:02:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02P	04:02P
3625	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	NT	NT	03:01	03:01	03:02	03:02	NT	NT	04:02	04:02
3849	NT	NT	35:21	39:05:01G	07:02	15:02	NT	NT	NT	4*01:03	NT	NT	NT	NT	NT	NT	04:02:01G	04:02:01G
4237	02:01P	68:01P	35:21	39:05P	07:02:01	15:02P	04:07	14:02:01	3*01:01	4*01:03	03:01	03:01	03:02	03:02	NT	NT	NT	NT
4420	02:01	NT	NT	39:05	07:02	15:02	04:07	14:02	NT	NT	03:01	03:01	03:02	03:02	NT	NT	NT	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	35:21	39:05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	02:01	68:01	35:21	39:05	07:02	15:02	04:07	14:02	3*01:01	4*01:03	03:01	03:01	03:02	03:02	01:03	01:03	04:02	04:02
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Table 12. Individual laboratory results for DNA # 982 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	NT	03	NT	NT	NT	NT	NT
138	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
142	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	NT	NT	NT	NT
144	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02	68	35	39	07	15	04	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
151	02	68	35	39	07	15	04	14	NT	NT	NT	NT	03	03	NT	NT	04(DP402)	04(DP402)
158	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
173	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
189	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	NT	NT
190	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
192	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP401)	04(DP401)
195	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
199	NT	NT	NT	NT	NT	NT	04	03	3*PRESENT	4*PRESENT	NT	NT	03	04	NT	NT	NT	NT
205	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
207	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	03	03	03	NT	NT	NT	NT
213	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
227	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
228	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
238	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	NT	NT	NT	NT
239	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	NT	NT
240	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
242	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	03	NT	03	NT	NT	NT	NT	NT
244	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
245	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
252	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
255	02	68	35	39	NT	NT	04	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
262	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	03	03	03	03	NT	NT	NT	NT
265	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
266	02	68	35	39	07	15	04	14			03	03	03	03	01	01	04(DP402)	04(DP402)
267	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	NT	NT	NT	NT
273	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	NT	NT	NT	NT
274	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
278	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
279	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
280	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
282	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
285	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
286	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
288	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
290	02	68	35	39	NT	NT	04	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
294	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	NT	NT	NT	NT
300	02	68	35	39	07	15	04	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
304	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT

Table 12. Individual laboratory results for DNA # 982 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
305	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
307	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
309	02	68	35	39	07	15	07	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
310	02	68	35	39	NT	NT	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
318	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	01	01	04(DP402)	04(DP402)
323	02	68	35	39	07	15	04	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
324	02	68	15	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	NT	NT	NT	NT	NT
328	02	68	35	38	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
329	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	NT	NT	NT	NT	NT
336	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
337	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
338	02	68	35	39	07	15	04	14	NT	NT	NT	NT	03	NT	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	105
702	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
714	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
805	02	68	35	39	07	15	04	14	3*01	4*01	NT	NT	03	03	NT	NT	NT	NT
1189	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
1212	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
1251	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
1647	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	03	03	03	03	01	01	04(DP402)	04(DP402)
1686	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
2063	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
2347	02	68	35	39	07	15	04	14	3*PRESENT	4*PRESENT	03	03	03	03	01	01	04(DP402)	04(DP402)
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*01	4*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
3600	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	NT	NT
3625	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
3849	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
4237	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
4420	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
4551	02	68	35	39	07	15	04	14	3*01	4*01	03	NT	03	NT	NT	NT	04(DP402)	NT
4582	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
4585	02	68	35	39	07	15	04	14	NT	NT	03	03	03	03	NT	NT	NT	NT
4709	NT	NT	NT	NT	NT	NT	04	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
8050	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
9221	02	68	35	39	07	15	04	14	3*01	4*01	03	NT	03	NT	01	NT	04(DP402)	NT
9222	02	68	NT	NT	07	15	04	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	02	68	35	39	07	15	04	14	3*01	4*01	03	03	03	03	01	01	04(DP402)	04(DP402)
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Table 13. Individual laboratory results for DNA # 983 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02	03:02:01G	01:03:01	02:01:01	04:01:01	35:01:01
16	02:01:01:01	26:01:01:01	44:02:01:01	45:01:01	05:01:01:02	06:02:01:03	04:01:01	07:01:01	4*01:01:01:01	4*01:03:01	02:01:01	03:01:01	02:02	03:02:01	01:03:01:02	02:01:01	04:01:01	35:01:01
124	02:01:01:01	26:01:01:01	44:02:01:01	45:01:01	05:01:01:02	06:02:01:03	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:01:01G	03:02:01G	01:03:01	02:01:01	04:01:01	35:01:01
134	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01	07:01:01G	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02	03:02:01G	NT	NT	04:01	35:01
138	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
147	02:01	26:01	44:02	45:01	05:01	06:02	04:01P	07:01P	4*01:01	4*01:03	02:01	03:01	02:01P	03:02P	NT	NT	04:01	35:01
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	02:01:01G	26:01:01G	44:02:01G	45:01:01G	05:01:01G	06:02:01G	04:01P	07:01P	4*01:01P	4*01:01P	02:01:01G	03:01:01G	02:01P	03:02P	NT	NT	04:01:01G	35:01:01
188	02:01	26:01:01:01	44:02	45:01	05:01	06:02	04:01P	07:01P	NT	NT	02:01	03:01:01	02:02:01:01	03:02	01:03	02:01P	04:01	35:01:01
189	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
192	02:01:01	26:01:01:01	44:02:01	45:01:01	05:01:01:02	06:02:01	04:01:01	07:01	4*01:01:01:01	4*01:03	02:01:01	03:01:01	02:02	03:02	01:03:01:02	02:01	04:01:01	35:01:01
195	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02P	01:03:01	02:01:01	04:01:01	35:01:01
205	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
207	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	NT	NT	04:01	35:01
213	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	NT	NT	04:01	35:01
218	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	04:01	35:01
227	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
258	02:01:01	26:01:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02	03:02	01:03:01	02:01:01G	04:01:01	35:01:01
264	02:01:01G	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01G	35:01:01
274	02:01:01:01	26:01:01:01	44:02:01:01	45:01:01	05:01:01:02	06:02:01:03	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02	03:02:01G	01:03:01:02	02:01:01	04:01:01	35:01:01
279	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	NT	NT	04:01	35:01
282	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:03:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
294	02:01P	26:01	44:02	45:01	05:01	06:02	04:01P	07:01P	NT	NT	02:01	03:01	02:02	03:02	NT	NT	04:01	35:01
298	02:01:01	26:01:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	NT	NT	02:01:01	03:01:01	02:01P	03:02:01	NT	NT	04:01:01	35:01:01
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
338	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	121:01	35:01
403	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01G	NT	NT	NT	NT	02:01:01G	03:02:01G	NT	NT	04:01:01	35:01:01
519	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
702	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02:01	26:01	40:02	45:01	05:01	06:02	04:01	07:01:01G	4*01:01	4*01:03	02:01	03:01	02:02	03:02	01:03	02:01:01G	04:01	35:01
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	03:01	NT	NT	01:03	02:01	04:01	35:01
2063	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
2862	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
3325	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01:01G	4*01:03	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
3410	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	04:01	35:01
3438	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	NT	NT	NT	NT	02:02:01	03:02:01	NT	NT	NT	NT
3614	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
4551	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	NT	NT	04:01	35:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	02:01	04:01	35:01
5451	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01	01:03:01	02:01:01	04:01:01	35:01:01
14982	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02	03:02:01G	01:03:01	02:01:01	04:01:01	35:01:01
45452	02:01:01	26:01:01	44:02:01	45:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:02:01	03:02:01G	01:03:01	02:01:01	04:01:01	35:01:01

Final Consensus based on High Resolution	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	NG	03:02	01:03	02:01	04:01	35:01
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Table 14. Individual laboratory results for DNA # 983 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01P	26:01P	44:02P	45:01P	05:01P	06:02P	04:01P	07:01P	NT	NT	02:01	03:01:01G	NT	NT	01:03:01G	02:01:01G	04:01P	35:01
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
160	02:01P	26:01P	44:02P	45:01P	05:01P	06:02P	04:01P	07:01P	4*01:01:01	4*01:03:01	02:01:01	03:01:01	02:01P	03:02P	01:03P	02:01P	04:01P	35:01:01
162	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	NT	NT
173	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:03	02:02	03:02	NT	NT	NT	NT
176	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	NT	NT
190	02:01:01:01	26:01:01:01	44:02:01:01	45:01:01	05:01:01G	06:02:01G	04:01:01	07:01:01:01	NT	NT	NT	NT	02:02:01:01	03:02:01	NT	NT	NT	NT
193	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
238	02:01P	26:01	44:02P	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	NT	NT	NT	NT
239	NT	NT	NT	45:01	05:01	06:02	NT	07:01	NT	NT	02:01	03:01	02:02	03:02	NT	NT	04:01P	35:01P
240	02:01P	26:01P	44:02P	45:01P	05:01	06:02	04:01P	07:01P	NT	NT	02:01	03:01P	02:01P	03:02P	NT	NT	04:01P	35:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT	NT	NT
262	02:01	NT	NT	NT	NT	NT	04:01	07:01	NT	NT	02:01	03:01	02:01:01	03:02	NT	NT	NT	NT
267	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:01	02:01	03:01	02:02	03:02	NT	NT	NT	NT
273	02:01P	26:01P	44:02P	45:01P	05:01P	06:02P	04:01P	07:01P	4*01:01	4*01:03	02:01	03:01P	02:01P	03:02P	NT	NT	NT	NT
278	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
280	02:01	26:01:01G	44:02:01G	45:01:01G	05:01	06:02	04:01	07:01:01G	NT	NT	NT	NT	02:01:01G	03:02:01G	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	NT	NT
292	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	NT	NT
307	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:01	02:02	03:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT	NT	NT
313	02:01:01G	26:01:01G	44:02:01G	45:01	05:01:01G	06:02:01G	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	04:01	07:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:01	02:01	03:01	02:02	03:02	01:03	02:01	04:01	35:01
402	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:02	NT	NT	04:01	35:01
714	02:01P	26:01P	44:02P	45:01P	05:01P	06:02P	04:01P	07:01P	NT	NT	NT	NT	02:01P	03:02P	01:03P	02:01P	04:01P	35:01P
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	35:01
1686	NT	NT	NT	45:01	NT	NT	NT	NT	NT	NT	02:01	03:01	NT	03:02	01:03	02:01	04:01	35:01
2015	02:01P	26:01P	44:02P	45:01P	05:01P	06:02P	04:01P	07:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:01:01G	03:02	NT	NT	NT	NT
2549	02:01:01G	26:01:01G	44:02:01G	45:01	05:01:01G	06:02:01G	04:01	07:01:01G	NT	NT	02:01:01G	03:01:01G	02:01:01G	03:02:01G	01:03:01G	02:01:01G	04:01:01G	35:01
3582	02:01:01G	26:01:01G	44:02:01G	45:01:01G	05:01:01G	06:02:01G	04:01	07:01:01G	4*01:01:01G	4*01:01:01G	NT	NT	02:01:01G	03:02:01G	NT	NT	04:01:01G	35:01:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	35:01P
3625	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:01	02:02	03:02	NT	NT	04:01	35:01
3849	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	4*01:03	NT	NT	NT	NT	NT	NT	04:01:01G	35:01:01
4237	02:01P	26:01P	44:02P	45:01P	05:01:01	06:02:01	04:01P	07:01P	4*01:01	4*01:03	02:01	03:01	02:01P	03:02P	NT	NT	NT	NT
4420	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:01	NT	03:02	NT	NT	NT	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	02:01	26:01	44:02	45:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:01	NG	03:02	01:03	02:01	04:01	35:01
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Table 15. Individual laboratory results for DNA # 983 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	26	44	45	05	06	04	07	4*PRESENT	NT	NT	NT	02	03	NT	NT	NT	NT
138	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
142	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	NT	NT
144	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02	26	44	45	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
151	02	26	44	45	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	04(DP401)	35
158	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
173	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
189	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	NT	NT
190	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
192	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
195	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
199	NT	NT	NT	NT	NT	NT	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
205	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
207	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
209	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
213	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
227	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
228	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
238	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	NT	NT
239	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	NT	NT
240	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
242	02	26	44	45	05	06	04	07	4*PRESENT	NT	02	03	02	03	NT	NT	NT	NT
244	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
245	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
252	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
255	02	26	44	45	NT	NT	04	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
262	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	02	03	02	03	NT	NT	NT	NT
265	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
266	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
267	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	NT	NT
273	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	NT	NT
274	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
278	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
279	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
280	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
282	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
288	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
290	02	26	44	45	NT	NT	04	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
294	02	26	44	45	05	06	04	07	4*01	4*01	NT	NT	02	03	NT	NT	04(DP401)	35
300	02	26	44	45	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
304	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT

Table 15. Individual laboratory results for DNA # 983 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
305	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
307	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
309	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
310	02	26	44	40	NT	NT	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
311	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	02	03	02	03	NT	NT	NT	NT
316	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
318	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	04(DP401)	35
323	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	04(DP401)	35
324	02	26	44	45	05	06	NT	07	3*PRESENT	NT	NT	NT	02	03	NT	NT	NT	NT
328	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
329	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
336	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
337	02	26	44	45	05	06	04	07	4*PRESENT	NT	NT	NT	02	03	NT	NT	NT	NT
338	02	26	44	45	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
702	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
714	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	NT	NT
726	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
732	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
805	02	26	44	45	05	06	04	07	4*01	4*01	NT	NT	02	03	NT	NT	NT	NT
1189	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
1212	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
1251	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
1647	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	02	03	02	03	01	02	04(DP401)	35
1686	02	26	44	45	05	06	04	07	4*01	NT	02	03	02	03	01	02	04(DP401)	35
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02	26	44	45	05	06	04	07	4*PRESENT	4*PRESENT	02	03	02	03	01	02	04(DP401)	35
2549	NT	NT	NT	NT	NT	NT	NT	NT	4*01	NT	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
3600	02	26	44	45	05	06	04	07	4*01	NT	02	03	02	03	01	02	NT	NT
3625	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
3849	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
4237	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
4420	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
4551	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	NT	NT	04(DP401)	35
4582	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
4585	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
4709	02	26	44	45	05	06	04	07	NT	NT	02	03	02	03	01	02	NT	NT
8050	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35
9221	02	26	44	45	05	06	04	07	4*01	NT	02	03	02	03	01	02	04(DP401)	35
9222	02	26	44	45	NT	NT	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
Final Consensus	02	26	44	45	05	06	04	07	4*01	4*01	02	03	02	03	01	02	04(DP401)	35

Table 16. Individual laboratory results for DNA # 984 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01G	06:01	01:03:01	01:03:01	02:01:02	02:01
16	11:01:01:01	11:02:01	13:01:01	15:01:01:01	04:01:01	12:02:02:01	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01:03	03:01:01	03:02:01	06:01	01:03:01	01:03:01	02:01:02	02:01:05
124	11:01:01:01	11:02:01	13:01:01	15:01:01:01	04:01:01	12:02:02:01	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01G	06:01	01:03:01	01:03:01	02:01:02:11	02:01:05
134	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	NT	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01G	06:01:01G	NT	NT	02:01:02	02:01:05
138	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
147	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01P	4*01:03	5*01:01	01:02	03:01	03:02P	06:01P	NT	NT	02:01	02:01
148	11:01:01G	11:02:01	13:01:01G	15:01:01:01	04:01:01G	12:02:01G	04:06:01	15:01:01G	4*01:03	5*01:01:01	NT	NT	03:02:01G	06:01:01G	NT	NT	02:01:02	02:01:05
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
185	11:01:01G	11:02:01G	13:01:01G	15:01:01G	04:01:01G	12:02:01G	04:06P	15:01P	4*01:01P	5*01:01P	01:02:01G	03:01:01G	03:02P	06:01P	NT	NT	02:01:02G	02:01:05
188	11:01	11:02:01:01	13:01	15:01:01:01	04:01	12:02:02:01	04:06:01	15:01P	NT	NT	01:02	03:01:01	03:02	06:01:01:01	01:03P	01:03P	02:01:02:11	02:01:05
189	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
192	11:01:01	11:02:01	13:01:01	15:01:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02	06:01:01G	01:03	01:03	02:01:02	02:01:05
195	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02P	06:01	01:03:01	01:03:01	02:01:02	02:01:05
205	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05
207	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	01:02	03:01	03:02	06:01	NT	NT	02:01:02	02:01:05
213	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	NT	NT	02:01	02:01
218	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	02:01	02:01
227	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
258	11:01:01	11:02:01:01	13:01:01	15:01:01:01	04:01:01	12:02:02:01	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02	06:01	01:03	01:03	02:01:02:11	02:01:05
264	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02G	02:01:05
274	11:01:01:01	11:02:01	13:01:01	15:01:01:01	04:01:01	12:02:02:01	04:06:01	15:01:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01G	06:01:01G	01:03:01	01:03:01	02:01:02	02:01:05
279	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	01:02	03:01	03:02	06:01	NT	NT	02:01	02:01
282	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05
294	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	01:02	03:01	03:02	06:01	NT	NT	02:01	02:01
298	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	NT	NT	01:02:01:03	03:01:01	03:02:01	06:01:01:01	NT	NT	02:01:02	02:01:05
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
338	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	02:01	NT
403	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01G	NT	NT	NT	NT	03:02:01G	06:01:01G	NT	NT	02:01:02	02:01:05
519	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05
702	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01:01G	01:03	01:03	02:01	02:01
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	03:01	NT	NT	01:03	01:03	02:01	02:01
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2862	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05
3325	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
3410	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	02:01	02:01
3438	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	NT	NT	NT	NT	03:02:01	06:01:01	NT	NT	NT	NT
3614	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
4551	11:01P	11:02P	13:01P	15:01P	04:01P	12:02P	04:06P	15:01P	4*01:03	5*01:01	01:02P	03:01P	03:02P	06:01P	NT	NT	02:01P	02:01P
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	03:01	NT	NT	01:03	01:03	02:01	02:01
5451	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05
14982	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:02	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01G	06:01:01G	01:03:01	01:03:01	02:01:02	02:01:05
45452	11:01:01	11:02:01	13:01:01	15:01:01	04:01:01	12:02:01	04:06:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01G	06:01:01	01:03:01	01:03:01	02:01:02	02:01:05

Final Consensus based on High Resolution	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
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Table 17. Individual laboratory results for DNA # 984 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	NT	NT	13:01P	15:01P	NT	NT	04:06P	15:01P	NT	NT	01:02:01G	03:01:01G	03:02:01G	06:01:01G	01:03:01G	01:03:01G	02:01:02G	02:01:02G
151	11:01:01G	11:02:01G	13:01:01G	15:01:01G	04:01:01G	12:02:01G	04:06	15:01	NT	NT	NT	NT	03:02:01G	06:01:01G	NT	NT	02:01	02:01
160	11:01P	11:02:01	13:01:01	15:01P	04:01P	12:02:02	04:06:01	15:01P	4*01:03:01	5*01:01P	01:02	03:01	03:02P	06:01P	01:03P	01:03P	02:01P	02:01P
162	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
173	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	01:02	03:01	03:02	06:01	NT	NT	NT	NT
176	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
190	11:01:01:01	11:02:01	13:01:01	15:01:01G	04:01:01G	12:02:02:01	04:06:01	15:01:01:01	NT	NT	NT	NT	03:02:01	06:01:01:01	NT	NT	NT	NT
193	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
238	11:01	11:02	13:01	15:01	04:01P	12:02	04:03	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	NT	NT	NT	NT
239	NT	11:02	13:01	NT	NT	12:02	04:06	NT	4*01:03	NT	01:02	03:01	03:02	06:01	NT	NT	02:01P	02:01P
240	11:01P	11:02	13:01	15:01P	04:01	12:02	04:06	15:01P	NT	NT	01:02	03:01P	03:02P	06:01P	NT	NT	02:01P	02:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	11:01	11:01	13:01	15:01	04:01	12:02	04:03	15:01	4*01:01	5*01:01	01:02	03:01	03:02	06:01	NT	NT	NT	NT
273	11:01P	11:02P	13:01P	15:01P	04:01	12:02	04:06P	15:01P	4*01:03	5*01:01	01:02P	03:01P	03:02P	06:01P	NT	NT	NT	NT
278	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
280	11:01:01G	11:02:01G	13:01	15:01:01G	04:01	12:02	04:06	15:01:01G	NT	NT	NT	NT	03:02:01G	06:01:01G	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
292	11:01	11:02	13:01	15:01	04:01	12:02	04:03	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
307	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	01:02	03:01	03:02	06:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	03:01	NT	NT	NT	NT	NT	NT
313	11:01:01G	11:02:01G	13:01	15:01	04:01:01G	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	04:06	15:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	11:01	11:01	13:01	15:01	04:01	12:02	04:03	15:01	4*01:01	5*01:01	01:02	01:01	03:02	06:01	01:03	01:03	02:01	02:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	11:01P	11:02P	13:01P	15:01P	04:01P	12:02P	04:06P	15:01P	NT	NT	NT	NT	03:02P	06:01P	01:03P	01:03P	02:01P	02:01P
1251	NT	NT	NT	NT	NT	NT	NT	NT	4*01:03	5*01:01	NT	NT	NT	NT	01:03	01:03	02:01	02:01
1686	NT	NT	NT	NT	NT	12:02	NT	NT	NT	NT	01:01	03:01	03:02	06:01	01:03:01	01:03	02:01	02:01
2015	11:01P	11:02P	13:01P	15:01P	04:01P	12:02P	04:06:01	15:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	NT	NT	03:02	06:01	NT	NT	NT	NT
2549	11:01:01G	11:02:01G	13:01	15:01:01G	04:01:01G	12:02:01G	04:06	15:01:01G	NT	NT	01:02:01G	03:01:01G	03:02:01G	06:01:01G	01:03:01G	01:03:01G	02:01:02G	02:01:02G
3582	11:01:01G	11:02:01G	13:01:01G	15:01:01G	04:01:01G	12:02:01G	04:06:01G	15:01:01G	4*01:01:01G	5*01:01:01G	NT	NT	03:02:01G	06:01:01G	NT	NT	02:01:02G	02:01:05
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	02:01P
3625	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	NT	NT	01:02	03:01	03:02	06:01	NT	NT	02:01	02:01
3849	NT	NT	13:01	NT	04:01	12:02	04:06	NT	4*01:03	NT	NT	NT	NT	NT	NT	NT	02:01:02G	02:01:05
4237	11:01P	11:02:01	13:01:01	15:01P	04:01	12:02	04:06	15:01P	4*01:03	5*01:01	01:02	03:01	03:02	06:01	NT	NT	NT	NT
4420	11:01	11:01	13:01	15:01	04:01	12:02	04:06	NT	NT	NT	NT	03:01	03:02	06:01	NT	NT	02:01	02:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	NT	NT	NT	NT	04:06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	11:01	11:02	13:01	15:01	04:01	12:02	04:06	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:01	01:03	01:03	02:01	02:01
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Table 18. Individual laboratory results for DNA # 984 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	02(DP201)	NT
138	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
142	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	NT	NT
144	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	01	01	02(DP201)	02(DP201)
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
173	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
189	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	NT	NT
190	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
192	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
195	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
199	NT	NT	NT	NT	NT	NT	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
205	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
213	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
227	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
228	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
238	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	NT	NT
239	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	NT	NT
240	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
245	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	01	01	02(DP201)	02(DP201)
252	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
255	11	11	13	15	NT	NT	04	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
266	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	01	01	02(DP201)	02(DP201)
267	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	NT	NT
273	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	NT	NT
274	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
278	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
279	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
280	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
282	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
288	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
290	11	11	13	15	NT	NT	04	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
294	11	11	13	15	04	12	04	15	4*01	5*01	NT	NT	03	06	NT	NT	02(DP201)	02(DP201)
300	11	11	13	15	04	12	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
304	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT

Table 18. Individual laboratory results for DNA # 984 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
305	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
307	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
309	11	11	13	15	04	04	04	15	NT	NT	01	03	03	06	01	01	02(DP201)	02(DP201)
310	11	24	13	15	NT	NT	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
311	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	01	03	03	06	NT	NT	NT	NT
316	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	01	01	02(DP201)	02(DP201)
318	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	01	01	02(DP201)	02(DP201)
323	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	02(DP201)	02(DP201)
324	11	23	44	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
328	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
329	11	NT	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
336	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
337	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
338	11	NT	13	15	04	12	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
402	11	11	13	15	04	12	04	15	NT	NT	NT	NT	03	06	NT	NT	02(DP201)	02(DP201)
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
702	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
714	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	NT	NT
726	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
732	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
805	11	11	13	15	04	12	04	15	4*01	5*01	NT	NT	03	06	NT	NT	NT	NT
1189	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
1212	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
1251	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
1647	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	01	03	03	06	01	01	02(DP201)	02(DP201)
1686	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
2063	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
2347	11	11	13	15	04	12	04	15	4*PRESENT	5*PRESENT	01	03	03	06	01	01	02(DP201)	02(DP201)
2549	NT	NT	NT	NT	NT	NT	NT	NT	4*01	5*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
3600	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	NT	NT
3625	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
3849	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
4237	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
4420	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	02(DP201)	02(DP201)
4551	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	NT	NT	02(DP201)	02(DP201)
4582	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
4585	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
4709	11	11	13	15	04	12	04	15	NT	NT	01	03	03	06	01	01	NT	NT
8050	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
9221	11	NT	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	NT	02(DP201)	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	11	11	13	15	04	12	04	15	4*01	5*01	01	03	03	06	01	01	02(DP201)	02(DP201)
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Table 19. Individual laboratory results for DNA # 985 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
16	24:02:01:01	26:01:01:01	35:05:01:01	51:01:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	4*01:03:02	03:02:01:01	03:02:01:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
124	24:02:01:01	26:01:01:01	35:05:01:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
134	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02G	NT	4*01:03:01	NT	03:02:01	NT	03:03:02	NT	NT	NT	04:02:01	05:01:01
138	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	24:02:01G	26:01:01:01	35:05:01	51:01:01G	04:01:01G	14:02:01G	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	NT	NT	03:03:02G	03:03:02G	NT	NT	04:02:01G	05:01:01G
158	24:02:01	26:01:01:01	35:05:01:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01:01	03:02:01:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01G	05:01:01G
185	24:02:01G	26:01:01G	35:05:01	51:01:01G	04:01:01G	14:02:01G	09:01P	09:01P	4*01:01P	4*01:01P	03:01:01G	03:01:01G	03:03P	03:03P	NT	NT	04:02:01G	05:01:01G
188	24:02	26:01:01:01	35:05:01:01	51:01	04:01	14:02	09:01P	09:01P	NT	NT	03:02:01:01	03:02:01:01	03:03:02:02	03:03:02:02	01:03	02:02	04:02	05:01
189	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
192	24:02:01	26:01:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	NT	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
207	24:02	26:01	35:05	51:01	04:01	14:02	09:01P	09:01P	NT	NT	03:02	03:02	03:03	03:03	NT	NT	04:02	05:01
213	24:02	26:01	35:05	51:01	04:01	14:02	09:01P	09:01P	4*01:03	4*01:03	03:02	03:02	03:03	03:03	NT	NT	04:02	05:01
218	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	04:02	05:01
227	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
258	24:02:01	26:01:01:01	35:05:01:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01:01	03:02:01:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
264	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01G	05:01:01G
274	24:02:01:01	26:01:01:01	35:05:01:01	51:01:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01:01	03:02:01:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01G	05:01:01G
279	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	03:02	03:02	03:03	03:03	NT	NT	04:02	05:01
282	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02	05:01
298	24:02:01	26:01:01:01	35:05:01:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	NT	NT	03:02:01:01	03:02:01:01	03:03:02:02	03:03:02:02	NT	NT	04:02:01	05:01:01
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
338	24:02	26:01	35:05	51:01	04:01	14:02	09:01	NT	NT	NT	NT	NT	03:03	NT	NT	NT	04:02	05:01
403	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	NT	NT	NT	NT	03:03:02	03:03:02	NT	NT	04:02:01	05:01:01
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	NT	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	24:02	26:01	35:05	51:01	04:01	14:02	09:01:02G	09:01:02G	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
1212	24:02	26:01	35:05	51:01	04:01	14:02	09:01P	09:01P	4*01:03	4*01:03	03:02	03:02	03:03	03:03	NT	NT	04:02	05:01
2063	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
2862	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
3325	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
3410	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	04:02	05:01
3438	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	NT	NT	NT	NT	03:03:02	03:03:02	NT	NT	NT	NT
3614	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
4551	24:02P	26:01P	35:05P	51:01P	04:01P	14:02P	09:01P	09:01P	4*01:03	4*01:03	03:01P	03:01P	03:03P	03:03P	NT	NT	04:02P	05:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02	05:01
5451	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02	09:01:02	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01	05:01:01
14982	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01G	05:01:01G
45452	24:02:01	26:01:01	35:05:01	51:01:01	04:01:01	14:02:01	09:01:02G	09:01:02G	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03:02	03:03:02	01:03:01	02:02:02	04:02:01G	05:01:01G

Final Consensus based on High Resolution	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
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Table 20. Individual laboratory results for DNA # 985 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	24:02P	26:01P	35:05P	51:01P	04:01P	14:02P	09:01P	09:01P	NT	NT	03:01:01G	03:01:01G	03:03:02G	03:03:02G	01:03:01G	02:02P	04:02P	05:01:01G
151	24:02:01G	26:01:01G	35:05	51:01:01G	04:01:01G	14:02:01G	09:01:02G	09:01:02G	NT	NT	NT	NT	03:03:02G	03:03:02G	NT	NT	04:02:01G	05:01:01G
160	24:02P	26:01P	35:05:01	51:01P	04:01P	14:02:01	09:01P	09:01P	4*01:03:02	4*01:03:02	03:02:01	03:02:01	03:03P	03:03P	01:03P	02:02P	04:02P	05:01P
162	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
173	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	03:02	03:02	03:03	03:03	NT	NT	NT	NT
176	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
190	24:02:01G	26:01:01:01	35:05:01:01	51:01:01:01	04:01:01G	14:02:01:01	09:01:02	09:01:02	NT	NT	NT	NT	03:03:02:01	03:03:02:01	NT	NT	NT	NT
193	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
238	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	09:01	09:01	4*01:03	NT	03:02	03:02	03:03	03:03	NT	NT	04:02P	05:01P
240	24:02:01G	26:01P	35:05	51:01P	04:01	14:02	09:01P	09:01P	NT	NT	03:01P	03:01P	03:03P	03:03P	NT	NT	04:02P	05:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:01	4*01:01	03:02	03:02	03:03	03:03	NT	NT	NT	NT
273	24:02P	26:01P	35:05P	51:01P	04:01P	14:02P	09:01P	09:01P	4*01:03	NT	03:02	03:02	03:03P	03:03P	NT	NT	NT	NT
278	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:02	03:03	01:03	02:02	04:02	05:01
280	24:02	26:01:01G	35:05	51:01:01G	04:01	14:02:01G	09:01:02G	09:01:02G	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
292	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
307	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	03:02	03:02	03:03	03:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	24:02:01G	26:01:01G	35:05	51:01:01G	04:01:01G	14:02	09:01:02G	09:01:02G	NT	NT	NT	NT	03:03:02G	03:03:02G	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	09:01	09:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	24:02	26:01	35:01	51:01	04:01	14:02	09:01	09:01	4*01:01	4*01:01	03:02	03:02	03:03	03:03	01:03	02:01	04:02	05:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	24:02P	26:01P	35:05P	51:01P	04:01P	14:02P	09:01P	09:01P	NT	NT	NT	NT	03:03P	03:03P	01:03P	02:02P	04:02P	05:01P
1251	24:02:01G	26:01:01G	35:05:01	51:01:01G	04:01:01G	14:02:01G	09:01:02G	09:01:02G	4*01:03	4*01:03	NT	NT	03:03:02G	03:03:02G	01:03	02:02	04:02	05:01
1686	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:02	03:02	03:03	NT	01:03	02:07	04:02	05:01
2015	24:02P	26:01P	35:05P	51:01P	04:01P	14:02P	09:01P	09:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	24:02P	26:01P	35:05	51:01P	04:01	14:02	09:01P	09:01P	NT	NT	NT	NT	03:03P	03:03P	NT	NT	04:02P	05:01P
2518	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	NT	NT	NT	NT	03:03	03:03	NT	NT	NT	NT
2549	24:02:01G	26:01:01G	35:05	51:01:01G	04:01:01G	14:02	09:01:02G	09:01:02G	NT	NT	03:01:01G	03:01:01G	03:03	03:03	01:03:01G	02:02	04:02:01G	05:01:01G
3582	24:02:01G	26:01:01G	35:05	51:01:01G	04:01:01G	14:02:01G	09:01:02G	09:01:02G	4*01:01:01G	4*01:01:01G	NT	NT	03:03:02G	03:03:02G	NT	NT	04:02:01G	05:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02P	05:01P
3625	24:02	NT	NT	NT	04:01	14:02	09:01	09:01	NT	NT	03:02	03:02	03:03	03:03	NT	NT	04:02	05:01
3849	NT	NT	NT	NT	04:01	14:02	NT	NT	4*01:03	NT	NT	NT	NT	NT	NT	NT	04:02:01G	05:01:01G
4237	24:02P	26:01P	35:05:01	51:01P	04:01:01	14:02:01	09:01	09:01	4*01:03	NT	03:01P	03:01P	03:03	03:03	NT	NT	NT	NT
4420	NT	26:01	NT	51:01	04:01	14:02	09:01	09:01	NT	NT	03:02	03:02	03:03	03:03	NT	NT	NT	05:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	35:05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	24:02	26:01	35:05	51:01	04:01	14:02	09:01	09:01	4*01:03	4*01:03	03:02	03:02	03:03	03:03	01:03	02:02	04:02	05:01
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Table 21. Individual laboratory results for DNA # 985 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
142	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	NT	NT
144	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	01	02	04(DP402)	05
147	24	26	35	51	04	14	09	09	4*01	NP	03	03	03	03	NT	NT	04(DP402)	05
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
189	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	NT	NT
190	24	26	35	51	04	14	09	09	4*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
192	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
195	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
199	NT	NT	NT	NT	NT	NT	09	15	4*PRESENT	4*PRESENT	NT	NT	03	04	NT	NT	NT	NT
205	24	26	35	51	04	14	09	09	4*01	NT	03	03	03	03	01	02	04(DP402)	05
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	04(DP402)	05
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
227	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
228	24	26	35	51	04	14	09	09	4*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
238	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	NT	NT
239	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	NT	NT
240	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
245	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	01	02	04(DP402)	05
252	24	26	35	51	04	14	09	09	4*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
255	24	26	35	51	NT	NT	09	09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	24	26	53	51	04	14	09	09	4*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
266	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	01	02	04(DP402)	05
267	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	NT	NT
273	24	26	35	51	04	14	09	09	4*01	NT	03	03	03	03	NT	NT	NT	NT
274	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
278	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
279	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
280	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
282	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
288	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
290	24	26	35	51	NT	NT	09	09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
294	24	26	35	51	04	14	09	09	NT	NT	NT	NT	03	03	NT	NT	04(DP402)	05
300	24	26	35	51	04	14	09	09	NT	NT	NT	NT	03	03	NT	NT	NT	NT
304	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT

Table 21. Individual laboratory results for DNA # 985 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
305	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
307	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
309	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	01	02	04(DP401)	05
310	24	26	35	51	NT	NT	09	09	4*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	01	02	04(DP402)	05
318	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	01	02	04(DP402)	05
323	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	04(DP402)	05
324	24	26	35	51	04	NT	07	NT	4*PRESENT	NT	NT	NT	03	NT	NT	NT	NT	NT
328	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
329	24	26	35	51	04	14	09	NT	4*PRESENT	NT	NT	NT	03	NT	NT	NT	NT	NT
336	24	26	35	51	04	14	09	09	4*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
337	24	26	35	51	04	14	09	09	4*PRESENT	NT	NT	NT	03	03	NT	NT	NT	NT
338	24	26	35	51	04	14	09	NT	NT	NT	NT	NT	03	NT	NT	NT	NT	NT
402	24	26	35	51	04	14	09	09	NT	NT	NT	NT	03	03	NT	NT	04(DP402)	05
519	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
615	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
702	24	26	35	51	04	14	09	09	4*01	NT	03	03	03	03	01	02	04(DP402)	05
714	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	NT	NT
726	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
732	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
805	24	26	35	51	04	14	09	09	4*01	4*01	NT	NT	03	03	NT	NT	NT	NT
1189	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
1212	NT	NT	NT	NT	NT	NT	09	09	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
1647	24	26	35	51	04	14	09	09	4*PRESENT	4*PRESENT	03	03	03	03	01	02	04(DP402)	05
1686	24	26	35	51	04	14	09	09	4*01	NT	03	03	03	03	01	02	04(DP402)	05
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	24	26	35	51	04	14	09	09	4*PRESENT	4*PRESENT	03	03	03	03	01	02	04(DP402)	05
2549	NT	NT	NT	NT	NT	NT	NT	NT	4*01	NT	NT	NT	NT	NT	NT	NT	NT	NT
3438	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
3600	24	26	35	51	04	14	09	09	4*01	NT	03	03	03	03	01	02	NT	NT
3625	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
3849	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
4237	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
4420	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	05
4551	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	NT	NT	04(DP402)	05
4582	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
4585	24	26	35	51	04	14	09	09	NT	NT	03	03	03	03	NT	NT	NT	NT
4709	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
8050	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
9221	24	26	35	51	04	14	09	NT	4*01	NT	03	NT	03	NT	01	02	04(DP402)	05
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	24	26	35	51	04	14	09	09	4*01	4*01	03	03	03	03	01	02	04(DP402)	05
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Table 22. Individual laboratory results for DNA # 986 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
16	02:02:01:01	32:01:01:01	08:01:01:01	45:01:01	07:01:01	16:01:01:01	03:01:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01:02	02:01:01	04:02:01	01:03:01	02:02:02:04	01:01:01	04:01:01
124	02:02:01:01	32:01:01:01	08:01:01:01	45:01:01	07:01:01	16:01:01:01	03:01:01	03:02:01	3*01:01:02G	3*01:01:02G	04:01:01	05:01:01	02:01:01	04:02:01:08	01:03:01	02:02:02	01:01:01	04:01:01
134	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01G	03:02:01	3*01:01:02	3*01:01:02G	04:01:01	05:01:01	02:01:01G	04:02	NT	NT	01:01:01	04:01:01
138	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02:02:01	32:01:01G	08:01:01G	45:01:01G	07:01:01G	16:01:01:01	03:01	03:02	3*01:01:02G	NEW	NT	NT	02:01:01	04:02:01G	NT	NT	01:01:01G	04:01:01G
158	02:02:01:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01:01	03:01:01G	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01:02	02:01:01G	04:02	01:03:01	02:02:02:04	01:01:01G	04:01:01G
185	02:02:01G	32:01:01G	08:01:01G	45:01:01G	07:01:01G	16:01:01:01G	03:01P	03:02P	3*01:01P	3*01:01P	04:01:01G	05:01:01G	02:01P	04:02P	NT	NT	01:01:01G	04:01:01G
188	02:02:01:01	32:01	08:01	45:01	07:01	16:01:01:01	03:01P	03:02:01	NT	NT	04:01	05:01:01:02	02:01:01	04:02:01:08	01:03	02:02:02:04	01:01	04:01
189	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
192	02:02:01	32:01:01	08:01:01:01	45:01:01	07:01:01	16:01:01:01	03:01	03:02:01	3*01:01	3*01:01	04:01:01	05:01:01:02	02:01	04:02:01	01:03:01:02	02:02:02:04	01:01:01	04:01:01
195	NT	NT	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	NT	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
207	02:02	32:01	08:01	45:01	07:01	16:01	03:01P	03:02	NT	NT	04:01	05:01	02:01	04:02	NT	NT	01:01	04:01
213	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	NT	NT	01:01	04:01
218	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	01:01	04:01
227	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
258	02:02:01:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02G	04:01:01	05:01:01:02	02:01:01G	04:02	01:03:01	02:02:02:04	01:01:01	04:01:01
264	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01G	03:02:01	3*01:01:02	3*01:01:02G	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01G	04:01:01G
274	02:02:01:01	32:01:01:01	08:01:01:01	45:01:01	07:01:01	16:01:01:01	03:01:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01:04	05:01:01:02	02:01:01	04:02:01	01:03:01:02	02:02:02	01:01:01	04:01:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	02:02:01:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01G	03:02:01	NT	NT	04:01:01	05:01:01:02	02:01:01	04:02:01:08	NT	NT	01:01:01	04:01:01
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
338	02:02	32:01	08:01	45:01	07:01P	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	01:01	04:01
403	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01G	03:02:01	NT	NT	NT	NT	02:01:01G	04:02	NT	NT	01:01:01	04:01:01
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01	NT	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01:02G	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
1212	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	NT	NT	01:01	04:01
2063	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
2862	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
3325	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
3410	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	01:01	04:01
3438	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	NT	NT	NT	NT	02:01:01	04:02:01	NT	NT	NT	NT
3614	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
4551	02:02:01G	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02P	3*01:01:02	3*01:01:02	04:01P	05:01P	02:01P	04:02P	NT	NT	01:01P	04:01P
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	04:01
5451	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
14982	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01
45452	02:02:01	32:01:01	08:01:01	45:01:01	07:01:01	16:01:01	03:01:01	03:02:01	3*01:01:02	3*01:01:02	04:01:01	05:01:01	02:01:01	04:02:01	01:03:01	02:02:02	01:01:01	04:01:01

Final Consensus based on High Resolution	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
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Table 23. Individual laboratory results for DNA # 986 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:02	32:01P	08:01P	45:01P	NT	NT	03:01P	03:02P	NT	NT	04:01	05:01	02:01:01G	04:02:01G	01:03:01G	02:02P	01:01P	04:01P
151	02:02	32:01	08:01:01G	45:01:01G	07:01:01G	16:01:01G	03:01:01G	03:02	NT	NT	NT	NT	02:01:01G	04:02:01G	NT	NT	01:01:01G	04:01:01G
160	02:02	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02:01	3*01:01P	3*01:01P	04:01:01	05:01:01	02:01P	04:02P	01:03P	02:02P	01:01P	04:01P
162	02:02	32:01	08:01	45:01	07:01:01G	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
173	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	04:01	05:01	02:01	04:02	NT	NT	NT	NT
176	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
190	02:02:01:01	32:01:01:01	08:01:01:01	45:01:01	07:01:01:01	16:01:01:01	03:01:01:01	03:02:01	NT	NT	NT	NT	02:01:01	04:02:01	NT	NT	NT	NT
193	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
238	02:02	32:01	08:01	45:01	07:01P	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	NT	NT	NT	NT
239	02:02	32:01	08:01	45:01	NT	16:01	03:01	03:02	3*01:01	NT	04:01	05:01	02:01	04:02	NT	NT	01:01P	04:01P
240	02:02	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02	NT	NT	04:01	05:01	02:01P	04:02P	NT	NT	01:01P	04:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	NT	NT	NT	NT
273	02:02	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02P	3*01:01	3*01:01	04:01P	05:01P	02:01P	04:02P	NT	NT	NT	NT
278	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
280	02:02	32:01:01G	08:01:01G	45:01:01G	07:01	16:01	03:01:01G	03:02	NT	NT	NT	NT	02:01:01G	04:02:01G	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
292	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
307	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	04:01	05:01	02:01	04:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:02	32:01	08:01	45:01	07:01:01G	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:05	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	02:02	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02P	NT	NT	NT	NT	02:01P	04:02P	01:03P	02:02P	01:01P	04:01P
1251	02:02:01	32:01:01G	08:01:01G	45:01:01G	07:01:01G	16:01:01G	03:01:01G	03:02:01	NT	NT	NT	NT	02:01:01G	04:02:01G	NT	NT	NT	NT
1686	NT	NT	NT	45:01	NT	NT	03:01	03:01	NT	NT	04:01	NT	02:01	04:02	01:03	02:07	01:01	04:01
2015	02:02	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02:02	32:01P	08:01P	45:01P	07:01P	16:01P	03:01P	03:02	NT	NT	NT	NT	02:01P	04:02P	NT	NT	01:01P	04:01P
2518	02:02	32:01	08:01	45:01	07:01:01G	16:01	03:01	03:02	NT	NT	NT	NT	02:01	04:02	NT	NT	NT	NT
2549	02:02	32:01:01G	08:01:01G	45:01:01G	07:01:01G	16:01:01G	03:01:01G	03:02	NT	NT	04:01	05:01:01G	02:01:01G	04:02:01G	01:03:01G	02:02	01:01:01G	04:01:01G
3582	02:02:01G	32:01:01G	08:01:01G	45:01:01G	07:01:01G	16:01:01G	03:01:01G	03:02	3*01:01:02G	3*01:01:02G	NT	NT	02:01:01G	04:02:01G	NT	NT	01:01:01G	04:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	04:01P
3625	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	NT	NT	04:01	05:01	02:01	NT	NT	NT	01:01	04:01
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01:01G	04:01:01G
4237	02:02:01	32:01P	08:01P	45:01P	07:01:01	16:01:01	03:01P	03:02:01	3*01:01	NT	04:01	05:01	02:01	04:02	NT	NT	NT	NT
4420	02:02	32:01	NT	45:01	NT	16:01	03:01	03:02	NT	NT	04:01	05:01	NT	04:02	NT	NT	01:01	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	NT	45:01	NT	NT	NT	NT	NT	NT	NT	05:01	NT	NT	NT	NT	NT	NT
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	02:02	32:01	08:01	45:01	07:01	16:01	03:01	03:02	3*01:01	3*01:01	04:01	05:01	02:01	04:02	01:03	02:02	01:01	04:01
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Table 24. Individual laboratory results for DNA # 986 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
142	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	NT	NT	NT	NT
144	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	01	02	01	04(DP401)
147	02	32	08	45	07	16	03	03	3*01	NP	04	05	02	04	NT	NT	01	04(DP401)
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
189	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	NT	NT
190	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
192	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
195	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
199	NT	NT	NT	NT	NT	NT	03	15	3*PRESENT	4*PRESENT	NT	NT	02	04	NT	NT	NT	NT
205	02	32	08	45	07	16	03	03	3*01	NT	04	05	02	04	01	02	01	04(DP401)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
215	02	32	08	45	07	16	03	NT	3*PRESENT	NT	NT	NT	02	04	NT	NT	NT	NT
226	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
227	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
228	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
238	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	NT	NT	NT	NT
239	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	NT	NT
240	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
245	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	01	02	01	04(DP401)
252	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
255	02	32	08	45	NT	NT	03	03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
266	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	01	02	01	04(DP401)
267	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	NT	NT	NT	NT
273	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	NT	NT	NT	NT
274	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
278	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
282	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
288	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
290	02	32	08	45	NT	NT	03	03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
294	02	32	08	45	07	16	03	03	3*01	3*01	NT	NT	02	04	NT	NT	01	04(DP401)
300	02	32	08	45	07	16	03	03	NT	NT	NT	NT	02	04	NT	NT	NT	NT
304	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT

Table 24. Individual laboratory results for DNA # 986 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
305	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
307	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
309	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	01	02	01	04(DP401)
310	02	32	08	45	NT	NT	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	01	02	01	04(DP401)
318	02	32	08	45	07	16	NT	NT	NT	NT	04	05	02	04	01	02	01	04(DP401)
323	02	32	08	45	07	16	03	03	NT	NT	NT	NT	02	04	NT	NT	NT	NT
324	02	32	08	45	07	12	01	03	3*PRESENT	NT	NT	NT	02	04	NT	NT	NT	NT
328	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
329	02	32	08	45	NT	16	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
336	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	NT	NT	02	04	NT	NT	NT	NT
337	02	32	08	45	07	16	03	03	3*PRESENT	NT	NT	NT	02	04	NT	NT	NT	NT
338	02	32	08	45	07	16	03	NT	NT	NT	NT	NT	02	04	NT	NT	NT	NT
402	02	32	08	45	07	16	03	03	NT	NT	NT	NT	02	04	NT	NT	01	04(DP401)
519	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
615	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
702	02	32	08	45	07	16	03	03	3*01	NT	04	05	02	04	01	02	01	04(DP401)
714	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	NT	NT	NT	NT
726	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
732	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
805	02	32	08	45	07	16	03	03	3*01	3*01	NT	NT	02	04	NT	NT	NT	NT
1189	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
1647	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	04	05	02	04	01	02	01	04(DP401)
1686	02	32	08	45	07	16	03	03	3*01	NT	04	05	02	04	01	02	01	04(DP401)
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02	32	08	45	07	16	03	03	3*PRESENT	3*PRESENT	04	05	02	04	01	02	01	04(DP401)
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*01	NT	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
3600	02	32	08	45	07	16	03	03	3*01	NT	04	05	02	04	01	02	NT	NT
3625	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
3849	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
4237	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
4420	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	01	NT
4551	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	NT	NT	01	04(DP401)
4582	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
4585	02	32	08	45	07	16	03	03	NT	NT	04	05	02	04	NT	NT	NT	NT
4709	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
8050	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
9221	02	32	08	45	07	16	03	03	3*01	NT	04	05	02	04	01	02	01	04(DP401)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus	02	32	08	45	07	16	03	03	3*01	3*01	04	05	02	04	01	02	01	04(DP401)
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Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
7	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
16	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
124	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
134	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL	NGS-GIL	NGS-GIL		NGS-GIL SSP-OLE
138	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
144	SBT-HA-SC	SBT-HA-SC	SBT-HA-SC	SBT-HA-SC		SSO-OL	SBT-HA-SC	SSO-OL	SSO-OL
147	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	SSP-OLE	SSP-OLE	NGS-GIL		NGS-GIL
148	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SBT-GD	NGS-GIL		NGS-GIL		NGS-GIL
151	SBT-LT	SBT-LT	SBT-LT	SBT-LT			SBT-LT		SBT-LT
158	NGS-GD SSP-INN	NGS-GD SSP-INN	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD
160	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL	SBT-GIL SSO-OL
162	SBT-BS	SBT-BS	SBT-BS	SBT-BS			SBT-BS		
176	SBT-INH	SBT-INH	SBT-INH	SBT-INH			SBT-INH		
185	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
188	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SBT-ACT		NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
189	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL	NGS-OMX SSO-OL
190	SBT-SC	SBT-SC	SBT-SC	SBT-SC			SBT-SC		
192	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH
193	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL			SBT-SC SSO-LUM-OL		
195	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
199									
205	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
207	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX	NGS-OMX		NGS-OMX
209	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSP-OLE	SBT-GD SSP-OLE	SBT-GD SSP-OLE		SBT-GD SSO-OL SSP-OLE
213	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX SSO-OL	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE		NGS-OMX SSP-OLE
218	NGS-INH SBT-INH SSP-INH	NGS-INH SBT-INH SSP-INH	NGS-INH SBT-INH SSP-INH	NGS-INH SBT-INH SSP-INH			NGS-INH SBT-INH SSP-INH		NGS-INH SBT-INH SSP-INH
226									
227	NGS-OL	NGS-OL	NGS-OL	NGS-OL-TEP	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
238	SSO-HT	SSO-HT	SSO-HT	SSO-HT	SSP-OLE	SSP-OLE	SSP-OLE		
239	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB		rtPCR-LB
240	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL SSP-OL		SSO-OL SSP-OL	SBT-GD SSO-OL SSP-OL		SSO-OL

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
258	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL
262	SSP-OLE			SSP-OL-OLE-PRO		SSP-OLE	SSP-OLE		
264	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
267	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		
273	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE	SSP-OLE	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE		
274	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
278									
279	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX		NGS-OMX SSP-OLE
280	SBT-TBG	SBT-TBG	SBT-TBG	SBT-OL-TBG	SBT-TBG		SBT-TBG		
282	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
294	NGS-OMX SBT-INH	NGS-OMX SBT-INH	NGS-OMX SBT-INH	NGS-OMX SBT-INH	SBT-INH	NGS-OMX SSO-IMM	NGS-OMX		NGS-OMX
298	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX		NGS-OMX	NGS-OMX		NGS-OMX
307	SSP-OL	SSP-OL	SSP-OL	SSP-OL		SSP-OL	SSP-OL		
311						SSP-OLE			
313	SBT-INV	SBT-INV	SBT-INV	SBT-INV			SBT-INV		
316				SSP-OL					
317	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL
323	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX			NGS-OMX		
338	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL			NGS-GIL SBT-GIL		NGS-GIL SSP-OLE
402	SBT-GD	SBT-GD	SBT-GD	SBT-GD			SBT-GD		SBT-GD
403	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
519	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
615									
702	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
714	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL			SBT-GIL	SSO-LUM-OL	SSO-LUM-OL
726	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
732									
805	NGS-GIL SBT-OL	NGS-GIL SBT-OL	NGS-GIL SBT-OL	NGS-GIL SBT-OL	NGS-GIL	NGS-GIL	NGS-GIL SBT-OL	NGS-GIL	NGS-GIL SBT-OL
1189									
1212	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	SSP-OLE	NGS-OMX SSP-OLE
1251	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO SSP-OLE	SSO-LUM SSP-OLE		SBT-PRO	SSO-LUM	Other-Others SSO-LUM SSP-OLE
1686		Other-Others	Other-Others	Other-Others		Other-Others	Other-Others	Other-Others	Other-Others
2015	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD-OL SSO-OL	SBT-GD SSO-OL					

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
2063	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
2347	SBT-SC	SBT-SC	SBT-SC	SBT-SC			SBT-SC		SBT-SC
2518	SBT-OL SSO-OL	SBT-OL SSO-OL	SBT-OL SSO-OL	SBT-OL SSO-OL			SBT-OL SSO-OL		
2549	SBT-OLE	SBT-OLE	SBT-OLE	SBT-OLE		SSP-OLE	SBT-OLE	SSO-OL	SSO-OL
2862	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX-WAK	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
3325	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM-WAK	NGS-IMM	NGS-IMM
3410	NGS-GIL	NGS-GIL	NGS-GIL SSO-OL	NGS-GIL SSO-OL			NGS-GIL SSO-OL		NGS-GIL SSP-GV
3438	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX			NGS-OMX		
3582	SBT-CG	SBT-CG	SBT-CG	SBT-CG	SBT-CG		SBT-CG		SBT-CG
3600									rtPCR-LS
3614	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX SSP-OL	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
3625	SBT-INH	SBT-INH	SBT-INH	SBT-INH		SBT-INH	SBT-INH		SBT-INH
3849	SBT-CG-INH	SBT-CG-INH	SBT-CG-INH	SBT-SC	SSP-OL	SSP-OL	SBT-SC	SSP-OL	SBT-INH
4237	SBT-TBG	SBT-TBG	SBT-TBG	SBT-OL-TBG SSO-OL SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK
4545									
4551	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX	NGS-OMX		NGS-OMX SSP-OLE
4582									
4585		SSO-LUM		SSO-LUM		SSO-LUM			
4709	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX	SSP-OLE	NGS-OMX SSP-LB-OLE
5451	NGS-INH	NGS-INH	NGS-INH						
6051	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
14982	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
45452	NGS-LT	NGS-LT	NGS-LT	NGS-LT	NGS-LT	NGS-LT	NGS-LT	NGS-LT	NGS-LT

Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
134	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSO-OL	SSO-OL SSP-OLE		SSP-OLE
138	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
142	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		
144	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
147	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB		rtPCR-LB
148	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG			SSO-BAG		
151	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		SSO-OL
158	SSO-OL SSP-INN	SSO-OL SSP-INN	SSO-OL SSP-INN	SSO-OL SSP-INN		SSO-OL-TEP SSP-INN	SSO-OL SSP-INN	SSP-INN	SSP-INN
189	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
190	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE		
192	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
195	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
199				SSP-OL	SSP-OL		SSP-OL		
205	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
207	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
209	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSO-OL	SSO-OL SSP-BR		
213	SSO-OL SSP-INN-OLE	SSO-OL SSP-INN-OLE	SSO-OL SSP-INN-OLE	SSO-OL SSP-INN-OLE	SSP-OLE	SSP-INN-OLE	SSO-OL SSP-INN-OLE	SSP-INN	SSP-INN-OLE
215	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSP-BR		SSP-BR		
226	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
227	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
228	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		
238	SSO-HT	SSO-HT	SSO-HT	SSO-HT	SSP-OLE	SSP-OLE	SSP-OLE		
239	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	
240	SSP-OL	SSP-OL	SSP-OL	SSP-OL		SSP-OL	SSP-OL		
242	SSP-OLE	SSP-OL-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
244	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG		SSO-BAG SSP-OLE	SSO-BAG		
245	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS		SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS
252	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT
255	SSO-OL	SSO-OL		SSO-OL					
260	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-BR	SSP-BR		SSP-BR-PRO		
262	SSP-BR-PRO	SSP-OLE-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
265	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSO-OL	SSO-OL	SSP-OL	SSO-OL	SSP-OL
266	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
267	SSO-LUM-OL	SSO-LUM-OL SSP-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		

Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
273	SSO-BAG SSP-BAG-PRO	SSO-BAG SSP-BAG-PRO	SSO-BAG SSP-BAG-PRO	SSO-BAG SSP-BAG-PRO	SSP-BAG-PRO	SSO-BAG	SSO-BAG SSP-BAG-PRO		
274	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
279	SSO-OL SSP-LB-OLE	SSO-OL SSP-LB-OLE	SSO-OL SSP-LB-OLE	SSO-OL SSP-LB-OLE	SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB-OLE	SSO-OL SSP-LB	SSO-OL SSP-LB
280	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL		
282	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
285	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
286	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
288	SSO-BAG	SSO-BAG	SSO-BAG	SSP-OLE		SSO-BAG	SSP-OLE		
290	SSO-OL	SSO-OL		SSO-OL					
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
294	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM-OLE SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSP-INH-OLE	SSO-IMM	Other-Others SSO-IMM SSP-OLE		SSP-OLE
300	SSP-OL	SSP-OL	SSP-OL	SSP-OL			SSP-OL		
304	SSO-GTI	SSO-GTI	SSO-GTI	SSO-GTI		SSO-GTI	SSO-GTI		
305	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
307	SSO-IMM-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL		
309	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
310	SSP-OL	SSP-OL		SSP-OL	SSP-OL		SSP-OL		
311	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
316	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
318	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
323	Other-Others SSP-OLE rtPCR-LB	Other-Others SSP-OLE rtPCR-LB	Other-Others SSP-OLE rtPCR-LB	Other-Others SSP-OLE rtPCR-LB	rtPCR-LB	SSP-OLE rtPCR-LB	Other-Others SSP-OLE rtPCR-LB		SSP-OLE rtPCR-LB
324	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN		SSP-INN		
328	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL		
329	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE		
336	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
337	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSP-OL		SSP-OL		
338	SSO-BAG-TEP	SSO-BAG	SSO-BAG	SSO-BAG			SSO-BAG		
402	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		SSO-IMM-OL
519	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM
615	SSO-OL	SSO-OL-OLE	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
702	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSP-OLE	SSO-OL	SSO-OL	SSO-OL	SSO-OL
714	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		
726	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
732	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL

Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
805	SSO-IMM SSP-OL	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM SSP-OL		
1189	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
1212	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	rtPCR-LB	SSP-OLE rtPCR-LB	rtPCR-LB	rtPCR-LB
1251	Other-Others SSO-LUM SSP-OLE	Other-Others SSO-LUM SSP-OLE	Other-Others SSO-LUM SSP-OLE	Other-Others SSO-LUM SSP-OLE	Other-Others SSO-LUM SSP-OLE	Other-Others SSO-LUM	Other-Others SSO-LUM SSP-OLE	Other-Others SSO-LUM	Other-Others SSO-LUM SSP-OLE
1647	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
1686	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
2063	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
2347	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
2549					SSO-OL				
3438	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
3600	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
3625	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV	SSO-IMM-INV
3849	SSO-INH	SSO-INH	SSO-INH	SSO-INH	SSO-INH	SSO-LUM	SSO-INH-LUM	SSO-LUM	SSO-INH-LUM
4237	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK
4551	SSO-IMM-OL SSP-OLE rtPCR-LB	SSO-IMM-OL SSP-OLE rtPCR-LB	SSO-IMM-OL SSP-OLE rtPCR-LB	SSO-IMM-OL SSP-OLE rtPCR-LB	SSP-OLE	SSO-IMM-OL rtPCR-LB	SSO-IMM-OL SSP-OLE rtPCR-LB		SSO-IMM-OL SSP-OLE rtPCR-LB
4582	SSO-OL	Other-Others SSO-OL	SSO-OL	SSO-OL	SSO-OL	Other-Others SSO-OL	Other-Others SSO-OL	SSO-OL	Other-Others SSO-OL
4585	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
4709	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE
8050	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
9221	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
9222	SSO-LUM	SSO-LUM	SSO-LUM SSP-LUM	SSO-LUM		SSO-LUM	SSO-LUM		