

# UCLA INTERNATIONAL HLA DNA EXCHANGE—164TH SUMMARY



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DNA Sample	
#1005	#1008
#1006	#1009
#1007	#1010

## DNA #1005 HISPANIC

The consensus type for this sample from a Hispanic donor is A\*02:05-A\*02:06-B\*35:14-B\*44:02-C\*04:01-C\*05:01-DRB1\*01:01-DRB1\*16:02-DRB5\*02:02-DQA1\*01:01-DQA1\*05:05-DQB1\*03:01-DQB1\*05:01-DPA1\*01:03-DPB1\*04:01:01G-DPB1\*04:02:01G.

The likely class II associations for this cell are DRB1\*01:01-DQB1\*05:01 and DRB1\*16:02-DQB1\*03:01, with respective frequencies of HF=0.04174 and HF=0.01531, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1005 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9.

## DNA #1006 UNKNOWN

The consensus type for this sample from an Unknown donor is A\*01:01-A\*74:01-B\*08:01-B\*15:03-C\*02:10-C\*07:01-DRB1\*03:01-DRB1\*13:02-DRB3\*01:01-DRB3\*03:01-DQA1\*01:02-DQA1\*05:01-DQB1\*02:01-DQB1\*06:09-DPA1\*01:03-DPA1\*02:01-DPB1\*01:01-DPB1\*03:01.

Five participants reporting High Resolution results using NGS could not exclude the novel allele DPB1\*1049:01. DPB1\*1049:01 is a one nucleotide variant of DPB1\*03:01:01:01, with a nonsynonymous substitution at cDNA position 194.2 in exon 4, where codon 194 is changed from CGG to CAG, resulting in an amino acid substitution of glutamine instead of arginine as noted in *Characterization of a novel HLA allele, DPB1\*1049:01, in a pediatric patient with severe aplastic anemia* (Chou-Wu, Po-Chien et al, 2020; 96(6):758-759).

The likely class II associations for this cell are DRB1\*03:01-DQB1\*02:01 and DRB1\*13:02-DQB1\*06:09, with respective frequencies of HF=0.07242 and HF=0.02927, as seen in African Americans, according to the NMDP Bioinformatics website.

The results for DNA #1006 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12.

## DNA #1007 HISPANIC

The consensus type for this sample from a Hispanic donor is A\*02:01-B\*50:01-B\*57:01-C\*06:02-DRB1\*13:01-DRB1\*15:01-DRB3\*01:01-DRB5\*01:01-DQA1\*01:02-DQA1\*01:03-DQB1\*06:02-DQB1\*06:03-DPA1\*01:03-DPB1\*02:01-DPB1\*04:01.

The likely associations for this cell are A\*02:01-B\*50:01-DRB1\*15:01 and A\*02:01-B\*57:01-DRB1\*13:01, with respective frequencies of HF=0.00023 and HF=0.00043, as seen interestingly in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1007 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15.



DNA Sample	
#1005	#1008
#1006	#1009
#1007	#1010

### DNA #1008 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A\*02:01-A\*24:02-B\*08:01-B\*35:02-C\*04:01-C\*07:01-DRB1\*03:01-DRB1\*11:84-DRB3\*02:02-DQA1\*05:01-DQA1\*05:05-DQB1\*02:01-DQB1\*03:01-DPA1\*01:03-DPB1\*04:02-DPB1\*03/104.

The likely class I associations in this cell are A\*02:01-B\*08:01-C\*07:01 and A\*24:02-B\*35:02-C\*04:01, with respective frequencies of HF=0.01066 and HF=0.00476, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1008 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18.

### DNA #1009 MIXED

This sample was mistakenly labelled as a Japanese donor. The consensus type for this sample from a Mixed donor is A\*01:01-A\*34:02-B\*14:02-B\*57:01-C\*06:02-C\*08:02-DRB1\*07:01-DRB1\*15:01-DRB4\*01:03:01:02N-DRB5\*01:01-DQA1\*01:02-DQA1\*02:01-DQB1\*03:03-DQB1\*06:02-DPA1\*01:03-DPA1\*02:01-DPB1\*04:01-DPB1\*13:01:01G.

The likely class II associations in this cell are DRB1\*07:01-DQB1\*03:03 and DRB1\*15:01-DQB1\*06:02, with respective frequencies of HF=0.03642 and HF=0.14155, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1009 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21.

### DNA #1010 JAPANESE

This sample was mistakenly labelled as a Mixed donor. The consensus type for this sample from a Japanese donor is A\*24:02-A\*26:03-B\*15:01-B\*51:01-C\*14:02-C\*15:02-DRB1\*09:01-DRB1\*14:03-DRB3\*01:01-DRB4\*01:03-DQA1\*03:02-DQA1\*05:07-DQB1\*03:01-DQB1\*03:03-DPA1\*01:03-DPA1\*02:02-DPB1\*02:01-DPB1\*05:01.

The likely class I associations in this cell are A\*24:02-B\*51:01-C\*14:02 and A\*26:03-B\*15:01-C\*15:02, with respective frequencies of HF=0.01180 and HF=0.00028, as seen exclusively in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1010 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24.

#### ACKNOWLEDGMENTS:

The UCLA Immunogenetics Center would like to express our deepest thanks to One Legacy and all organ and tissue donors and their families for giving the gift of knowledge by their generous donation to the education and advancement of the study of HLA. We would also like to thank the NMDP Bioinformatics website (<https://bioinformatics.bethematchclinical.org>) and the 44 participants reporting their NGS results (See Tables 7, 10, 13, 16, 19, 22).

**Table 1. Summary of the 164th DNA Exchange (DNA #1005)**

A				B				C			
57 labs High / 65 labs Low		% (n)		59 labs High / 65 labs Low		% (n)		58 labs High / 63 labs Low		% (n)	
A*02:05:01:01	10(6)	A*02:06:01:01	10(6)	B*35:14:01	36(21)	B*44:02:01:01	4 (2)	C*04:01:01	30(17)	C*05:01:01:02	2 (1)
A*02:05:01	21(12)	A*02:06:01	19(11)	B*35:14	64(38)	B*44:02:01	25(14)	C*04:01:01G	9 (5)	C*05:01:01	28(16)
A*02:05:01G	9 (5)	A*02:06:01G	10(6)	B*35	100(65)	B*44:02:01G	13(7)	C*04:01P	2 (1)	C*05:01:01G	7 (4)
A*02:05P	2 (1)	A*02:06P	5 (3)			B*44:02P	4 (2)	C*04:01	59(33)	C*05:01P	2 (1)
A*02:05	58(33)	A*02:06	51(29)			B*44:02	54(30)	C*04	100(63)	C*05:01	62(36)
A*02	100(65)	<i>A*02:01</i>	3 (2)			B*44	100(65)			C*05	100(63)
		A*02	100(64)								
DRB1				DRB3/4/5				DQA1			
59 labs High / 63 labs Low		% (n)		39 labs High / 46 labs Low		% (n)		49 labs High / 50 labs Low		% (n)	
DRB1*01:01:01	17(10)	DRB1*16:02:01	34(20)	DRB5*02:02:01	28(11)			DQA1*01:01:01:09	2 (1)	DQA1*05:05:01	33(16)
DRB1*01:01:01G	19(11)	DRB1*16:02P	3 (2)	DRB5*02:02:01G	8 (3)			DQA1*01:01:01	33(16)	DQA1*05:01:01G	8 (4)
DRB1*01:01P	14(8)	DRB1*16:02	63(37)	DRB5*02:02P	8 (3)			DQA1*01:01:01G	10(5)	DQA1*05:01P	2 (1)
DRB1*01:01	51(30)	DRB1*16	98(62)	DRB5*02:02	56(22)			DQA1*01:01P	2 (1)	DQA1*05:05	57(28)
DRB1*01	100(63)	<i>DRB1*15</i>	2 (1)	DRB5*02	72(33)			DQA1*01:01	53(26)	DQA1*05	100(50)
				DRB5*PRESENT	28(13)			DQA1*01	100(50)		
DQB1				DPA1				DPB1			
57 labs High / 65 labs Low		% (n)		36 labs High / 36 labs Low		% (n)		51 labs High / 31 labs Low		% (n)	
DQB1*03:01:01:06	5 (3)	DQB1*05:01:01:03	2 (1)	DPA1*01:03:01	36(13)			DPB1*04:01:01	6 (3)	DPB1*04:02:01	6 (3)
DQB1*03:01:01	21(12)	DQB1*05:01:01	25(14)	DPA1*01:03:01G	11(4)			DPB1*04:01:01G	47(24)	DPB1*04:02:01G	47(24)
DQB1*03:01:01G	9 (5)	DQB1*05:01:01G	9 (5)	DPA1*01:03P	8 (3)			DPB1*04:01P	16(8)	DPB1*04:02P	16(8)
DQB1*03:01P	5 (3)	DQB1*05:01P	3 (2)	DPA1*01:03	44(16)			DPB1*04:01	31(16)	DPB1*04:02	31(16)
DQB1*03:01	60(34)	DQB1*05:01	61(35)	DPA1*01	100(36)			DPB1*04(DP401)	97(30)	DPB1*04(DP402)	100(31)
DQB1*03	100(65)	DQB1*05	100(65)					<i>DPB1*04(DP402)</i>	3 (1)		

Discrepant results from consensus are italicized in Tables 1-6

**Table 2. Summary of the 164th DNA Exchange (DNA #1006)**

A				B				C			
56 labs High / 63 labs Low		% (n)		58 labs High / 63 labs Low		% (n)		56 labs High / 62 labs Low		% (n)	
A*01:01:01:01	4 (2)	A*74:01:01:01	5 (3)	B*08:01:01:01	5 (3)	B*15:03:01:02	5 (3)	C*02:10:01:01	12(7)	C*07:01:01:01	4 (2)
A*01:01:01	27(15)	A*74:01:01	29(16)	B*08:01:01	25(14)	B*15:03:01	26(15)	C*02:10:01	21(12)	C*07:01:01	29(16)
A*01:01:01G	7 (4)	A*74:01:01G	5 (3)	B*08:01:01G	7 (4)	B*15:03:01G	9 (5)	C*02:10:01G	5 (3)	C*07:01:01G	9 (5)
A*01:01P	4 (2)	A*74:01	61(34)	B*08:01P	4 (2)	B*15:03	60(35)	C*02:10P	54(30)	C*07:01P	2 (1)
A*01:01	59(33)	A*74	100(63)	B*08:01	59(33)	B*15	100(63)	C*02:10	54(30)	C*07:01	57(32)
A*01	100(63)			B*08	100(63)			C*02:02	5 (3)	C*07	100(62)
								C*02	98(61)		
								C*07	2 (1)		

  

DRB1				DRB3/4/5				DQA1			
58 labs High / 64 labs Low		% (n)		40 labs High / 45 labs Low		% (n)		49 labs High / 51 labs Low		% (n)	
DRB1*03:01:01	17(10)	DRB1*13:02:01	33(19)	DRB3*01:01:02	37(15)	DRB3*03:01:01	32(13)	DQA1*01:02:01	33(16)	DQA1*05:01:01:02	6 (3)
DRB1*03:01:01G	17(10)	DRB1*13:02:01G	3 (2)	DRB3*01:01:02G	7 (3)	DRB3*01:01:01G	5 (2)	DQA1*01:02:01G	10(5)	DQA1*05:01:01	29(14)
DRB1*03:01P	14(8)	DRB1*13:02P	3 (2)	DRB3*01:01P	2 (1)	DRB3*01:01P	5 (2)	DQA1*01:02	56(27)	DQA1*05:01:01G	8 (4)
DRB1*03:01	52(30)	DRB1*13:02	60(35)	DRB3*01:01	50(20)	DRB3*03:01	57(23)	DQA1*01	100(51)	DQA1*05:01	57(28)
DRB1*03	100(64)	DRB1*13	98(63)	<i>DRB3*01:06</i>	2 (1)	DRB3*03	72(31)			DQA1*05	100(51)
		<i>DRB1*09</i>	2 (1)	DRB3*01	73(33)	<i>DRB3*01</i>	2 (1)				
				DRB3*PRESENT	27(12)	DRB3*PRESENT	26(11)				

  

DQB1				DPA1				DPB1			
58 labs High / 64 labs Low		% (n)		37 labs High / 36 labs Low		% (n)		53 labs High / 31 labs Low		% (n)	
DQB1*02:01:01	17(10)	DQB1*06:09:01:01	2 (1)	DPA1*01:03:01:03	3 (1)	DPA1*02:01:02:02	5 (2)	DPB1*01:01:01	13(7)	DPB1*03:01:01	13(7)
DQB1*02:01:01G	21(12)	DQB1*06:09:01	24(14)	DPA1*01:03:01	39(14)	DPA1*02:01:02	38(14)	DPB1*01:01:01G	26(14)	DPB1*03:01:01G	29(15)
DQB1*02:01P	5 (3)	DQB1*06:09:01G	9 (5)	DPA1*01:03:01G	8 (3)	DPA1*02:01	57(21)	DPB1*01:01:02G	2 (1)	DPB1*03:01P	11(6)
DQB1*02:01	56(32)	DQB1*06:09P	7 (4)	DPA1*01:03P	3 (1)	DPA1*02	100(36)	DPB1*01:01P	11(6)	DPB1*03:01	46(24)
DQB1*02	100(64)	DQB1*06:09	59(34)	DPA1*01:03	47(17)			DPB1*01:01	47(25)	DPB1*03	100(30)
		DQB1*06	100(64)	DPA1*01	100(36)			DPB1*01	100(31)		

Discrepant results from consensus are italicized in Tables 1-6

**Table 3. Summary of the 164th DNA Exchange (DNA #1007)**

A				B				C			
59 labs High / 60 labs Low		% (n)		61 labs High / 60 labs Low		% (n)		61 labs High / 58 labs Low		% (n)	
A*02:01:01:01	3 (2)			B*50:01:01:01	10(6)	B*57:01:01:01	10(6)	C*06:02:01:01	10(6)		
A*02:01:01	29(17)			B*50:01:01	23(14)	B*57:01:01	23(14)	C*06:02:01	25(15)		
A*02:01:01G	7 (4)			B*50:01:01G	5 (3)	B*57:01:01G	7 (4)	C*06:02:01G	7 (4)		
A*02:01P	3 (2)			<i>B*51:01:01G</i>	2 (1)	B*57:01P	2 (1)	C*06:02	59(36)		
A*02:01	58(34)			B*50:01P	2 (1)	B*57:01	59(36)	C*06	100(58)		
A*02	100(60)			B*50:01	58(35)	B*57	100(60)				
				B*50	100(59)						
<b>DRB1</b>				<b>DRB3/4/5</b>				<b>DQA1</b>			
61 labs High / 60 labs Low		% (n)		44 labs High / 42 labs Low		% (n)		52 labs High / 45 labs Low		% (n)	
DRB1*13:01:01	34(21)	DRB1*15:01:01	27(16)	DRB3*01:01:02	36(16)	DRB5*01:01:01	35(15)	DQA1*01:02:01	35(18)	DQA1*01:03:01	35(18)
DRB1*13:01:01G	5 (3)	DRB1*15:01:01G	10(6)	DRB3*01:01:02G	7 (3)	DRB5*01:01:01G	7 (3)	DQA1*01:02:01G	6 (3)	DQA1*01:03:01G	6 (3)
DRB1*13:01P	2 (1)	DRB1*15:01P	8 (5)	DRB3*01:01P	5 (2)	DRB5*01:01P	5 (2)	DQA1*01:02	59(30)	DQA1*01:03	60(31)
DRB1*13:01	59(36)	DRB1*15:01	55(33)	DRB3*01:01	52(23)	DRB5*01:01	53(23)	DQA1*01	100(45)	DQA1*01	100(45)
DRB1*13	100(60)	DRB1*15	100(60)	DRB3*01	74(31)	DRB5*01	74(31)				
				DRB3*PRESENT	26(11)	DRB5*PRESENT	26(11)				
<b>DQB1</b>				<b>DPA1</b>				<b>DPB1</b>			
61 labs High / 59 labs Low		% (n)		40 labs High / 34 labs Low		% (n)		57 labs High / 28 labs Low		% (n)	
DQB1*06:02:01:01	2 (1)	DQB1*06:03:01:01	2 (1)	DPA1*01:03:01	35(14)			DPB1*02:01:02	33(19)	DPB1*04:01:01	34(19)
DQB1*06:02:01	23(14)	DQB1*06:03:01	25(15)	DPA1*01:03:01G	5 (2)			DPB1*02:01:02G	9 (5)	DBP1*04:01:01G	12(7)
DQB1*06:02:01G	5 (3)	DQB1*06:03:01G	3 (2)	DPA1*01:03P	2 (1)			DPB1*02:01P	5 (3)	DBP1*04:01P	7 (4)
DQB1*06:02P	5 (3)	DQB1*06:03P	3 (2)	DPA1*01:03	57(23)			DPB1*02:01	53(30)	DBP1*04:01	46(26)
DQB1*06:02	65(39)	DQB1*06:03	67(41)	DPA1*01	100(34)			DPB1*02(DP201)	100(28)	DBP1*04(DP401)	96(26)
DQB1*06	98(58)	DQB1*06	100(58)							<i>DBP1*126</i>	4 (1)
<i>DQB1*05</i>	2 (1)										

Discrepant results from consensus are italicized in Tables 1-6

**Table 4. Summary of the 164th DNA Exchange (DNA #1008)**

A				B				C			
58 labs High / 60 labs Low		% (n)		59 labs High / 59 labs Low		% (n)		58 labs High / 58 labs Low		% (n)	
A*02:01:01:01	3 (2)	A*24:02:01:01	3 (2)	B*08:01:01:01	3 (2)	B*35:02:01	32(19)	C*04:01:01:06	5 (3)	C*07:01:01:01	3 (2)
A*02:01:01	28(16)	A*24:02:01	28(16)	B*08:01:01	28(16)	B*35:02:01G	5 (3)	C*04:01:01	28(16)	C*07:01:01	29(17)
A*02:01:01G	7 (4)	A*24:02:01G	7 (4)	B*08:01:01G	7 (4)	B*35:02P	2 (1)	C*04:01:01G	7 (4)	C*07:01:01G	9 (5)
A*02:01P	5 (3)	A*24:02P	3 (2)	B*08:01P	3 (2)	B*35:02	61(36)	C*04:01P	3 (2)	C*07:01P	2 (1)
A*02:01	57(33)	A*24:02	58(33)	B*08:01	59(34)	B*35	100(59)	C*04:01	57(33)	C*07:01	57(33)
A*02	100(60)	A*24	100(60)	B*08	100(59)			C*04	100(58)	C*07	100(58)

  

DRB1				DRB3/4/5				DQA1			
59 labs High / 62 labs Low		% (n)		44 labs High / 41 labs Low		% (n)		51 labs High / 44 labs Low		% (n)	
DRB1*03:01:01	20(12)	DRB1*11:84:01	32(20)	DRB3*02:02:01:01	2 (1)			DQA1*05:01:01:03	4 (2)	DQA1*05:05:01	33(17)
DRB1*03:01:01G	15(9)	DRB1*11:84	58(36)	DRB3*02:02:01	34(15)			<i>DQA1*05:05:01:03</i>	2 (1)	DQA1*05:01:01G	8 (4)
DRB1*03:01P	15(9)	<i>DRB1*11:04</i>	8 (5)	DRB3*02:02:01G	9 (4)			DQA1*05:01:01	29(15)	DQA1*05:01P	2 (1)
DRB1*03:01	49(29)	<i>DRB1*11:07</i>	2 (1)	DRB3*02:02P	4 (2)			DQA1*05:01:01G	6 (3)	DQA1*05:05	51(26)
DRB1*03	100(61)	DRB1*11	100(61)	DRB3*02:02	50(22)			DQA1*05:01P	2 (1)	<i>DQA1*05:01</i>	6 (3)
				DRB3*02	78(32)			DQA1*05:01	57(29)	DQA1*05	100(43)
				DRB3*PRESENT	22(9)			DQA1*05	100(44)		

  

DQB1				DPA1				DPB1			
59 labs High / 59 labs Low		% (n)		38 labs High / 33 labs Low		% (n)		54 labs High / 30 labs Low		% (n)	
DQB1*02:01:01:01	2 (1)	DQB1*03:01:01:02	2 (1)	DPA1*01:03:01	37(14)			DPB1*04:02:01	20(11)	DPB1*104:01:01	18(10)
DQB1*02:01:01	17(10)	DQB1*03:01:01	19(11)	DPA1*01:03:01G	10(4)			DPB1*04:02:01G	24(13)	DPB1*03:01:01G	22(12)
DQB1*02:01:01G	20(12)	DQB1*03:01:01G	12(7)	DPA1*01:03P	8 (3)			DPB1*04:02P	11(6)	DPB1*03:01P	7 (4)
DQB1*02:01P	7 (4)	DQB1*03:01P	10(6)	DPA1*01:03	45(17)			DPB1*04:02	44(24)	DPB1*104:01	41(22)
DQB1*02:01	54(32)	DQB1*03:01	58(34)	DPA1*01	100(33)			DPB1*04(DP402)	97(29)	DPB1*03:01	11(6)
DQB1*02	100(59)	DQB1*03	100(59)					<i>DPB1*59</i>	3 (1)	DPB1*03	57(17)
										DPB1*104	43(13)

Discrepant results from consensus are italicized in Tables 1-6

**Table 5. Summary of the 163rd DNA Exchange (DNA #1009)**

A				B				C			
58 labs High / 59 labs Low		% (n)		58 labs High / 60 labs Low		% (n)		58 labs High / 58 labs Low		% (n)	
A*01:01:01:01	4 (2)	A*34:02:01:01	7 (4)	B*14:02:01:01	14(8)	B*57:01:01:01	14(8)	C*06:02:01:01	14(8)	C*08:02:01:01	4 (2)
A*01:01:01	30(17)	A*34:02:01	33(19)	B*14:02:01	22(13)	B*57:01:01	22(13)	C*06:02:01	24(14)	C*08:02:01	32(18)
A*01:01:01G	7 (4)	A*34:02P	2 (1)	B*14:02:01G	5 (3)	B*57:01:01G	5 (3)	C*06:02:01G	5 (3)	C*08:02:01G	5 (3)
A*01:01P	4 (2)	A*34:02	59(34)	B*14:02P	3 (2)	B*57:01P	3 (2)	C*06:02P	2 (1)	C*08:02P	2 (1)
A*01:01	55(31)	A*34	100(59)	B*14:02	55(32)	B*57:01	55(32)	C*06:02	55(32)	C*08:02	57(32)
A*01	100(59)			B*14	100(60)	B*57	100(60)	C*06	98(57)	C*08	98(57)
								C*07	2 (1)	C*15	2 (1)

DRB1				DRB3/4/5				DQA1			
58 labs High / 61 labs Low		% (n)		42 labs High / 42 labs Low				49 labs High / 45 labs Low		% (n)	
DRB1*07:01:01	22(13)	DRB1*15:01:01	25(14)	DRB4*01:03:01:02N	52(22)	DRB5*01:01:01	34(14)	DQA1*01:02:01	37(18)	DQA1*02:01:01	37(18)
DRB1*07:01:01G	15(9)	DRB1*15:01:01G	12(7)	DRB4*01:03:01N	17(7)	DRB5*01:01:01G	12(5)	DQA1*01:02:01G	6 (3)	DQA1*02:01:01G	6 (3)
DRB1*07:01P	12(7)	DRB1*15:01P	12(7)	DRB4*01:01:01G	5 (2)	DRB5*01:01P	46(19)	DQA1*01:02P	2 (1)	DQA1*02:01	57(28)
DRB1*07:01	50(29)	DRB1*15:01	51(29)	DRB4*01:01P	2 (1)	DRB5*01:01	7 (3)	DQA1*01:02	54(26)	DQA1*02	100(45)
DRB1*07	98(60)	DRB1*15	98(60)	DRB4*01:03N	19(8)	DRB5*01	74(31)	DQA1*01	100(45)		
<i>DRB1*09</i>	2 (1)	<i>DRB1*13</i>	2 (1)	<i>DRB4*01:03</i>	5 (2)	DRB5*PRESENT	24(10)				
				DRB4*01N	43(18)	<i>DRB3*PRESENT</i>	2 (1)				
				DRB4*01	24(10)						
				DRB4*NULL	9 (4)						
				DRB4*PRESENT	24(10)						

DQB1				DPA1				DPB1			
57 labs High / 59 labs Low		% (n)		37 labs High / 34 labs Low		% (n)		51 labs High / 32 labs Low		% (n)	
DQB1*03:03:02:01	9 (5)	DQB1*06:02:01	23(13)	DPA1*01:03:01	35(13)	DPA1*02:01:01:06	8 (3)	DPB1*04:01:01	31(16)	DPB1*13:01:01	17(9)
DQB1*03:03:02	28(16)	DQB1*06:02:01G	5 (3)	DPA1*01:03:01G	13(5)	DPA1*02:01:01	35(13)	DPB1*04:01:01G	20(10)	DPB1*13:01:01G	38(20)
DQB1*03:03:02G	2 (1)	DQB1*06:02P	5 (3)	DPA1*01:03P	8 (3)	DPA1*02:01:01G	11(4)	DPB1*04:01P	12(6)	DPB1*13:01P	19(10)
DQB1*03:03P	5 (3)	DQB1*06:02	66(37)	DPA1*01:03	43(16)	DPA1*02:01P	3 (1)	DPB1*04:01	37(19)	DPB1*13:01	25(13)
DQB1*03:03	56(32)	DQB1*06	93(55)	DPA1*01	100(34)	DPA1*02:01	43(16)	DPB1*04(DP401)	100(31)	DPB1*13	100(32)
DQB1*03	100(59)	<i>DQB1*03</i>	5 (3)			DPA1*02	100(34)				
		<i>DQB1*04</i>	2 (1)								

Discrepant results from consensus are italicized in Tables 1-6

**Table 6. Summary of the 164th DNA Exchange (DNA #1010)**

A				B				C			
59 labs High / 60 labs Low		% (n)		56 labs High / 60 labs Low		% (n)		58 labs High / 58 labs Low		% (n)	
A*24:02:01:01	4 (2)	A*26:03:01:01	7 (4)	B*15:01:01:01	14(8)	B*51:01:0:01	4 (2)	C*14:02:01:01	3 (2)	C*15:02:01:01	14(8)
A*24:02:01	31(17)	A*26:03:01	32(19)	B*15:01:01	23(13)	B*51:01:01	30(17)	C*14:02:01	30(17)	C*15:02:01	21(12)
A*24:02:01G	7 (4)	A*26:03P	2 (1)	B*15:01:01G	5 (3)	B*51:01:01G	7 (4)	C*14:02:01G	5 (3)	C*15:02:01G	7 (4)
A*24:02P	4 (2)	A*26:03	59(35)	B*15:01P	4 (2)	B*51:01P	4 (2)	C*14:02P	2 (1)	C*15:02P	3 (2)
A*24:02	54(30)	A*26	100(60)	B*15:01	54(30)	B*51:01	54(30)	C*14:02	60(34)	C*15:02	55(32)
A*24	100(60)			B*15	100(60)	B*57:01	2 (1)	C*14	100(58)	C*15	100(58)
						B*51	100(60)				
<b>DRB1</b>				<b>DRB3/4/5</b>				<b>DQA1</b>			
60 labs High / 61 labs Low		% (n)		41 labs High / 41 labs Low		% (n)		49 labs High / 44 labs Low		% (n)	
DRB1*09:01:02	22(13)	DRB1*14:03:01	38(23)	DRB3*01:01:02	41(17)	DRB4*01:03:02	47(19)	DQA1*03:02:01:01	8 (4)	DQA1*05:01:01G	4 (2)
DRB1*09:01:02G	19(11)	DRB1*14:03P	3 (2)	DRB3*01:01:02G	5 (2)	DRB4*01:01P	2 (1)	DQA1*03:02:01	31(15)	DQA1*05:01P	2 (1)
DRB1*09:01P	15(9)	DRB1*14:03	58(35)	DRB3*01:01P	5 (2)	DRB4*01:03	42(17)	DQA1*03:02:01G	4 (2)	DQA1*05:07	80(39)
DRB1*09:01	43(25)	DRB1*14	98(60)	DRB3*01:01	49(20)	<i>DRB4*01:01</i>	7 (3)	DQA1*03:02P	4 (2)	<i>DQA1*05:03</i>	10(5)
DRB1*09	98(60)	<i>DRB1*07</i>	2 (1)	DRB3*01	72(30)	DRB4*01	76(31)	DQA1*03:02	53(26)	<i>DQA1*05:02</i>	4 (2)
<i>DRB1*07</i>	2 (1)			<i>DRB3*03</i>	2 (1)	DRB4*PRESENT	19(8)	DQA1*03	100(44)	DQA1*05	100(44)
				DRB3*PRESENT	19(8)	<i>DRB5*PRESENT</i>	2 (1)				
				<i>DRB4*PRESENT</i>	5 (2)	<i>DRB3*PRESENT</i>	2 (1)				
<b>DQB1</b>				<b>DPA1</b>				<b>DPB1</b>			
59 labs High / 59 labs Low		% (n)		38 labs High / 34 labs Low		% (n)		49 labs High / 37 labs Low		% (n)	
DQB1*03:01:01	14(8)	DQB1*03:03:02:02	2 (1)	DPA1*01:03:01	32(12)	DPA1*02:02:02	46(17)	DPB1*02:01:02	28(15)	DPB1*05:01:01	28(15)
DQB1*03:01:01G	25(14)	DQB1*03:03:02	34(20)	DPA1*01:03:01G	8 (3)	DPA1*02:02P	3 (1)	DPB1*02:01:02G	24(13)	DPB1*05:01:01G	23(12)
DQB1*03:01P	9 (5)	DQB1*03:03:02G	5 (3)	DPA1*01:03P	3 (1)	DPA1*02:02	49(18)	DPB1*02:01P	9 (5)	DPB1*05:01P	9 (5)
DQB1*03:01	53(30)	DQB1*03:03P	5 (3)	DPA1*01:03	58(22)	<i>DPA1*02:07</i>	3 (1)	DPB1*02:01	38(20)	DPB1*05:01	40(21)
DQB1*03	100(59)	DQB1*03:03	54(32)	DPA1*01	100(34)	DPA1*02	100(34)	DPB1*02(DP201)	100(32)	DPB1*05	100(32)
		DQB1*03	98(58)								
		<i>DQB1*06</i>	2 (1)								

Discrepant results from consensus are italicized in Tables 1-6



**Table 7. Individual laboratory results for DNA # 1005 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01	05:01	01:03:01	01:03:01	04:01:01G	04:02:01G
16	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01	05:01	01:03:01	01:03:01	04:01:01G	04:02:01G
124	02:05:01G	02:06:01G	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01G	16:02:01	NT	NT	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01G	04:02:01G
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01	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
160	02:05:01:01	02:06:01:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01P	16:02:01	5*02:02P	NP	01:01:01	05:05:01	03:01:01:06	05:01:01	01:03P	01:03P	04:01P	04:02P
176	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	01:01	05:05	03:01	05:01	NT	NT	04:01	04:02
185	02:05P	02:06P	35:14:01	44:02:01G	04:01:01G	05:01:01G	01:01P	16:02P	5*02:02P	NP	01:01:01G	05:01:01G	03:01P	05:01P	NT	NT	04:01:01G	04:02:01G
188	02:05:01:01	02:06:01:01	35:14:01	44:02	04:01	05:01	01:01P	16:02	NT	NT	01:01:01:09	05:05	03:01:01:06	05:01:01:03	01:03P	01:03P	NT	NT
189	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G
190	02:05:01:01	02:06:01:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01P	16:02:01	NT	NT	NT	NT	03:01:01:06	05:01:01	NT	NT	04:01P	04:02P
192	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01G	16:02:01	5*02:02:01G	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01G	04:02:01G
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01	04:02:01
207	02:05	02:06	35:14	44:02	04:01	05:01	01:01P	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	NT	NT	04:01P	04:02P
213	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NT	01:01	05:05	03:01P	05:01	NT	NT	04:01	04:02
218	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	04:01	04:02
227	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02P	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	05:05	NT	NT	NT	NT	NT	NT
258	02:05:01:01	02:06:01:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01G	16:02:01	5*02:02:01G	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01G	01:03:01	04:01:01G	04:02:01G
264	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01G	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01G	04:02:01G
278	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NT	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
279	02:05	02:06	35:14	44:02	04:01	05:01	01:01P	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	NT	NT	04:01P	04:02P
294	02:05	02:06P	35:14	44:02P	04:01P	05:01P	01:01P	16:02P	NT	NP	NT	NT	NT	NT	NT	NT	NT	NT
298	02:05:01:01	02:06:01:01	35:14:01	44:02:01:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01	04:02
313	02:05	02:06	35:14	44:02:01G	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
403	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01G	16:02:01	NT	NT	NT	NT	03:01:01	05:01:01	NT	NT	04:01:01G	04:02:01G
519	02:05:01	02:06:01	35:14:01	44:02:01G	04:01:01	05:01:01	01:01:01G	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01G	04:02:01G
702	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NT	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01	04:02:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G
769	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01P	04:02P
805	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
1189	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	04:02
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:05	02:06	35:14	44:02	04:01	05:01	01:01:01G	16:02	5*02:02	NP	01:01:01G	05:01:01G	03:01:01G	05:01:01G	01:03:01G	01:03:01G	04:01:01G	04:02:01G
3325	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G
3410	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	04:01	04:02
3582	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02	NP	01:01:01	05:05:01	03:01	05:01	01:03:01	01:03:01	04:01:01G	04:02:01G
3614	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4585	NT	NT	35:14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01	04:02:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:05:01	02:06:01	35:14:01	44:02:01	04:01:01	05:01:01	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01	05:01	01:03:01	01:03:01	04:01:01G	04:02:01G
45452	02:05:01G	02:06:01G	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G

Final Consensus based on High Resolution	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G
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**Table 8. Individual laboratory results for DNA # 1005 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:05:01G	02:06:01G	35:14	44:02:01G	04:01:01G	05:01:01G	01:01:01G	16:02	NT	NT	01:01:01G	05:05	03:01:01G	05:01:01G	01:03:01G	01:03:01G	04:01:01G	04:02:01G
151	02:05:01G	02:06:01G	35:14	44:02:01G	04:01:01G	05:01:01G	01:01:01G	16:02	NT	NT	NT	NT	03:01:01G	05:01:01G	NT	NT	04:01:01G	04:02:01G
162	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
173	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
193	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
209	02:05:01G	02:06:01G	35:14:01	44:02:01G	04:01:01G	05:01:01G	01:01:01G	16:02:01	5*02:02:01G	NP	01:01:01G	05:01:01G	03:01:01G	05:01:01G	NT	NT	04:01:01G	04:02:01G
239	NT	02:06	35:14	NT	NT	05:01	01:01	16:02	5*02:02	NT	01:01	05:05	03:01	05:01	NT	NT	04:01P	04:02P
262	NT	NT	NT	NT	NT	NT	01:01	16:02	NT	NT	01:01	05:05	03:01	05:01	NT	NT	NT	NT
267	02:05	02:01	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	NT	NT	NT	NT
292	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:07	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	5*02:02	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
317	02:05	02:01	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	5*02:02	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
331	02:05:01:01	02:06:01:01	35:14:01	44:02:01:01	04:01:01	05:01:01:02	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	01:03:01	04:01:01G	04:02:01G
402	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	04:01	04:02
1686	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NT	01:01	05:05	03:01	05:01	01:03	01:03	04:01	04:02
2549	02:05	02:06:01G	35:14	44:02:01G	04:01:01G	05:01	01:01:01G	16:02	NT	NT	01:01:01G	05:01:01G	03:01:01G	05:01:01G	01:03:01G	01:03:01G	04:01:01G	04:02:01G
3438	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	04:02P
3625	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	NT	NT	01:01	05:05	03:01	05:01	NT	NT	04:01	04:02
3849	02:05	NT	35:14	NT	04:01	05:01	NT	NT	NT	NT	01:01	05:05	NT	NT	NT	NT	04:01:01G	04:02:01G
4237	02:05:01	02:06P	35:14:01	44:02P	04:01	05:01	01:01P	16:02:01	5*02:02	NP	01:01P	05:01P	03:01P	05:01P	01:03P	01:03P	04:01P	04:02P
4420	02:05	02:06	35:14	NT	NT	05:01	01:01	16:02	5*02:02	5*02:02	01:01	05:05	NT	05:01	01:03	01:03	NT	NT
5451	NT	NT	NT	NT	NT	NT	01:01:01	16:02:01	5*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	NT	NT	NT	NT
<b>Final Consensus</b>	02:05	02:06	35:14	44:02	04:01	05:01	01:01	16:02	5*02:02	NP	01:01	05:05	03:01	05:01	01:03	01:03	04:01:01G	04:02:01G

**Table 9. Individual laboratory results for DNA # 1005 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	02	02	35	44	04	05	01	16	5*PRESENT	NT	NT	NT	03	05	NT	NT	04(DP401)	04(DP402)
138	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
144	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
147	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
148	02	02	35	44	04	05	01	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	02	02	35	44	04	05	NT	NT	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
189	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	NT	NT
190	02	02	35	44	04	05	01	16	5*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
192	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
195	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
199	NT	NT	NT	NT	NT	NT	01	15	5*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
205	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
207	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	05	03	05	NT	NT	NT	NT
213	02	02	35	44	04	05	01	16	5*02	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
215	02	02	35	44	04	05	01	16	5*PRESENT	NT	NT	NT	03	05	NT	NT	NT	NT
227	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
228	02	02	35	44	04	05	01	16	5*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
239	02	02	35	44	04	05	01	16	5*02	NT	01	05	03	05	01	01	NT	NT
242	02	NT	35	44	04	05	01	16	5*PRESENT	NT	01	05	03	05	NT	NT	NT	NT
244	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	NT	NT	NT	NT
252	02	02	35	44	04	05	01	16	5*PRESENT	NP	01	05	03	05	NT	NT	NT	NT
255	02	02	35	44	NT	NT	01	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	02	35	44	04	05	01	16	5*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
262	02	02	35	44	04	05	01	16	5*PRESENT	NP	01	05	03	05	NT	NT	NT	NT
265	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
266	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
267	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	NT	NT	NT	NT
278	02	02	35	44	04	05	01	16	5*02	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
279	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
280	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
282	02	02	35	44	04	05	01	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
285	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	NT	NT	NT	NT
286	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	NT	NT	NT	NT
290	02	02	35	44	NT	NT	01	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	NT	NT	NT	NT
294	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	NT	NT	NT	NT
300	02	02	35	44	04	05	01	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
305	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	NT	NT	NT	NT
309	02	02	35	44	04	05	01	16	5*02	5*02	01	05	03	05	01	01	04(DP402)	04(DP402)
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02	02	35	44	04	05	01	16	5*02	5*02	01	05	03	05	01	01	04(DP401)	04(DP402)
318	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
328	02	02	35	44	04	05	NT	NT	NT	NT	01	05	03	05	NT	NT	NT	NT
329	02	02	35	44	04	05	01	16	5*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
334	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
336	02	02	35	44	04	05	01	16	5*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
339	02	02	35	44	04	05	01	16	5*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 9. Individual laboratory results for DNA # 1005 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
519	NT	NT	NT	NT	NT	NT	NT	NT	5*02	NP	NT	NT	NT	NT	NT	NT	NT	NT
615	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	NT	NT
702	02	02	35	44	04	05	01	16	5*02	NT	01	05	03	05	01	01	04(DP401)	04(DP402)
714	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
726	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
805	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	NT	NT
1251	02	02	35	44	04	05	01	16	5*02	NP	NT	NT	03	05	NT	NT	04(DP401)	04(DP402)
1647	02	02	35	44	04	05	01	16	5*PRESENT	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
2063	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
2549	NT	NT	NT	NT	NT	NT	NT	NT	5*02	NP	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	02	35	44	04	05	01	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
3600	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	NT	NT
3625	02	02	35	44	04	05	01	16	5*02	5*02	01	05	03	05	01	01	04(DP401)	04(DP402)
3849	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
4237	02	02	35	44	04	05	01	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
4420	02	02	35	44	04	05	01	16	5*02	5*02	01	05	03	05	01	01	NT	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
4585	02	02	35	44	04	05	01	16	NT	NT	01	05	03	05	NT	NT	NT	NT
5451	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	NT	NT
8050	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)
9221	02	02	35	44	04	05	01	16	5*02	NT	01	05	03	05	01	NT	04(DP401)	04(DP402)
9222	02	02	35	44	04	05	NT	NT	NT	NT	01	05	03	05	NT	NT	NT	NT
<b>Final Consensus</b>	02	02	35	44	04	05	01	16	5*02	NP	01	05	03	05	01	01	04(DP401)	04(DP402)

**Table 10. Individual laboratory results for DNA # 1006 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01G	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
16	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01G	06:09:01	01:03:01	02:01:02	01:01:01G	03:01:01G
124	01:01:01	74:01:01	08:01:01:01	15:03:01	02:10:01:01	07:01:01	03:01:01G	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01G	03:01:01G
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
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
160	01:01:01	74:01:01:01	08:01:01	15:03:01:02	02:10:01:01	07:01:01	03:01P	13:02:01	3*01:01:02	3*03:01P	01:02:01	05:01:01:02	02:01P	06:09P	01:03:01:03	02:01:02:02	01:01P	03:01P
176	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	01:02	05:01	02:01	06:09	NT	NT	01:01	03:01
185	01:01:01G	74:01:01G	08:01:01G	15:03:01G	02:10:01G	07:01:01G	03:01P	13:02P	3*01:01P	3*03:01P	01:02:01G	05:01:01G	02:01P	06:09P	NT	NT	01:01:01G	03:01:01G
188	01:01	74:01:01:01	08:01	15:03	02:10:01:01	07:01	03:01P	13:02	NT	NT	01:02	05:01:01:02	02:01	06:09:01:01	01:03	02:01:02:02	01:01	03:01
189	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01:01G	03:01:01G
190	01:01:01	74:01:01:01	08:01:01	15:03:01	02:10:01:01	07:01:01	03:01P	13:02:01	NT	NT	NT	NT	02:01:01G	06:09P	NT	NT	01:01P	03:01P
192	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01G	13:02:01	3*01:01:02	3*03:01	01:02:01	05:01:01	02:01:01G	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
207	01:01	74:01	08:01	15:03	02:10	07:01	03:01P	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	NT	NT	01:01	03:01
213	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	NT	NT	01:01	03:01
218	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	01:01	03:01
227	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01:01	07:01:01	03:01:01G	13:02:01	3*01:01:02	3*03:01:01G	01:02:01	05:01:01:02	02:01:01G	06:09:01G	01:03:01	02:01:02	01:01:01G	03:01:01G
264	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01G	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
278	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
279	01:01	74:01	08:01	15:03	02:10	07:01	03:01P	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	NT	NT	01:01	03:01
294	01:01P	74:01	08:01P	15:03	02:02P	07:01P	03:01P	13:02P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	01:01:01:01	74:01:01	08:01:01:01	15:03:01:02	02:10:01:01	07:01:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01	03:01
313	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	NT	NT
403	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01G	13:02:01	NT	NT	NT	NT	02:01:01G	06:09:01G	NT	NT	01:01:01G	03:01:01G
519	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01G	13:02:01	3*01:01:02G	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:02G	03:01:01G
702	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
769	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
805	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01:01G	06:09	01:03	02:01	01:01	03:01
1189	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	03:01
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	01:01	74:01	08:01	15:03:01G	02:10	07:01	03:01:01G	13:02	3*01:01:02G	3*03:01	01:02:01G	05:01:01G	02:01:01G	06:09	01:03:01G	02:01	01:01:01G	03:01:01G
3325	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01:01G	03:01:01G
3410	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	01:01	03:01
3582	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
3614	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	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
6051	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01	03:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	01:01:01	74:01:01	08:01:01	15:03:01	02:10:01	07:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01G	06:09:01	01:03:01	02:01:02	01:01:01G	03:01:01G
45452	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01

Final Consensus based on High Resolution	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
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**Table 11. Individual laboratory results for DNA # 1006 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	01:01:01G	74:01	08:01:01G	15:03:01G	02:10:01G	07:01:01G	03:01:01G	13:02:01G	NT	NT	01:02:01G	05:01	02:01:01G	06:09:01G	01:03:01G	02:01	01:01:01G	03:01:01G
151	01:01:01G	74:01:01G	08:01:01G	15:03:01G	02:10:01G	07:01:01G	03:01:01G	13:02:01G	NT	NT	NT	NT	02:01:01G	06:09:01G	NT	NT	01:01:01G	03:01:01G
162	01:01	74:01:01G	08:01	15:03	02:10	07:01:01G	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	NT	NT
173	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
193	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	NT	NT
209	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01:02G	3*03:01:01G	01:02:01G	05:01:01G	02:01	06:09	NT	NT	01:01P	03:01P
239	NT	NT	08:01	15:03	NT	NT	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	NT	NT	01:01P	03:01P
262	NT	NT	NT	NT	NT	NT	03:01	13:02	NT	NT	01:02	05:01	02:01	06:09	NT	NT	NT	NT
267	01:01	74:01	08:01	15:03	02:02	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	NT	NT	NT	NT
292	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	05:01	NT	NT	NT	NT	NT	NT
316	01:01	74:01	08:01	15:03	02:02	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
317	01:01	74:01	08:01	15:03	02:02	07:01	03:01	13:02	3*01:06	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
331	01:01:01:01	74:01:01	08:01:01:01	15:03:01:02	02:10:01:01	07:01:01:01	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	01:03:01	02:01:02	01:01:01G	03:01:01G
402	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	01:01	03:01
1686	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01
2549	01:01:01G	74:01	08:01:01G	15:03:01G	02:10	07:01:01G	03:01:01G	13:02	NT	NT	01:02:01G	05:01:01G	02:01:01G	06:09:01G	01:03:01G	02:01	01:01:01G	03:01:01G
3438	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	NT	NT	02:01	06:09	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	03:01P
3625	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	NT	NT	01:02	05:01	02:01	06:09	NT	NT	01:01	03:01
3849	NT	NT	NT	15:03	02:10	07:01	NT	NT	NT	NT	01:02	05:01	NT	NT	NT	02:01	01:01:01G	03:01:01G
4237	01:01P	74:01:01	08:01P	15:03:01	02:10:01	07:01:01	03:01P	13:02:01	3*01:01	3*03:01	01:02	05:01	02:01P	06:09P	01:03P	02:01	01:01P	03:01P
4420	01:01	74:01	NT	15:03	NT	NT	NT	NT	3*01:01	3*03:01	NT	05:01	NT	06:09	01:03	02:01	01:01	NT
5451	NT	NT	NT	NT	NT	NT	03:01:01	13:02:01	3*01:01:02	3*03:01:01	01:02:01	05:01:01	02:01:01	06:09:01	NT	NT	NT	NT
<b>Final Consensus</b>	01:01	74:01	08:01	15:03	02:10	07:01	03:01	13:02	3*01:01	3*03:01	01:02	05:01	02:01	06:09	01:03	02:01	01:01	03:01

**Table 12. Individual laboratory results for DNA # 1006 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	01	74	08	15	02	07	03	13	3*PRESENT	NT	NT	NT	02	06	NT	NT	01	03
138	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
144	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	01	02	01	03
147	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
148	01	74	08	15	02	07	03	13	NT	NT	NT	NT	02	06	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	01	74	08	15	02	07	03	13	3*01	3*01	01	05	02	06	NT	NT	NT	NT
189	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	NT	NT
190	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
192	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
195	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	01	02	01	03
199	NT	NT	NT	NT	NT	NT	03	09	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
205	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
207	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	05	02	06	NT	NT	NT	NT
213	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
228	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
239	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
252	01	74	08	15	07	07	03	13	3*PRESENT	NP	01	05	02	06	NT	NT	NT	NT
255	01	74	08	15	NT	NT	03	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
262	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	01	05	02	06	NT	NT	NT	NT
265	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
266	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	01	02	01	03
267	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	NT	NT	NT	NT
278	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
279	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
280	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	01	02	01	03
282	01	74	08	15	02	07	03	13	NT	NT	NT	NT	02	06	NT	NT	NT	NT
285	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
286	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
290	01	74	08	15	NT	NT	03	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
294	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	NT	NT	NT	NT
300	01	74	08	15	02	07	03	13	NT	NT	NT	NT	02	06	NT	NT	NT	NT
305	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
309	01	74	08	15	02	07	03	13	3*01	3*PRESENT	01	05	02	06	01	02	01	03
311	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	01	05	02	06	NT	NT	NT	NT
316	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
318	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	01	02	01	03
328	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
329	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
334	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	01	02	01	03
336	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
339	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	NT	NT	02	06	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 12. Individual laboratory results for DNA # 1006 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	NT	NT
702	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
714	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
726	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
805	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	NT	NT
1251	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
1647	01	74	08	15	02	07	03	13	3*PRESENT	3*PRESENT	01	05	02	06	01	02	01	03
2063	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*01	3*03	NT	NT	NT	NT	NT	NT	NT	NT
3438	01	74	08	15	02	07	03	13	NT	NT	NT	NT	02	06	NT	NT	NT	NT
3600	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	NT	NT
3625	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
3849	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
4237	01	74	08	15	02	07	03	13	NT	NT	NT	NT	02	06	NT	NT	NT	NT
4420	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
4585	01	74	08	15	02	07	03	13	NT	NT	01	05	02	06	NT	NT	NT	NT
5451	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	NT	NT
8050	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
9221	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03
9222	NT	NT	NT	NT	02	07	NT	NT	NT	NT	01	05	02	06	NT	NT	NT	NT
<b>Final Consensus</b>	01	74	08	15	02	07	03	13	3*01	3*03	01	05	02	06	01	02	01	03



**Table 13. Individual laboratory results for DNA # 1007 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
16	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
124	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02G	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
147	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
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
160	02:01:01	02:01:01	50:01:01:01	57:01:01:01	06:02:01:01	06:02:01:02	13:01:01	15:01P	3*01:01:02	5*01:01P	01:02:01	01:03:01	06:02	06:03	01:03	01:03	02:01:02	04:01:01
176	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
185	02:01:01G	02:01:01G	50:01:01G	57:01:01G	06:02:01G	06:02:01G	13:01P	15:01P	3*01:01P	5*01:01P	01:02:01G	01:03:01G	06:02P	06:03P	NT	NT	02:01:02G	04:01:01G
188	02:01	02:01	50:01:01:01	57:01:01:01	06:02:01:01	06:02:01:02	13:01	15:01P	NT	NT	01:02	01:03	06:02:01:01	06:03:01:01	01:03	01:03	02:01	04:01
189	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
190	02:01:01	02:01:01	50:01:01:01	57:01:01:01	06:02:01:01	06:02:01:02	13:01:01	15:01P	NT	NT	NT	NT	06:02	06:03	NT	NT	02:01:02	04:01:01
192	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01G	01:02:01	01:03:01	06:02	06:03	01:03	01:03	02:01:02	04:01:01
195	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02P	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
205	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
207	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
213	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
218	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	02:01	04:01
227	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	01:03	NT	NT	NT	NT	NT	NT
258	02:01:01	02:01:01	50:01:01:01	57:01:01:01	06:02:01:01	06:02:01:02	13:01:01	15:01:01G	3*01:01:02	5*01:01:01G	01:02:01	01:03:01	06:02	06:03	01:03	01:03:01:04	02:01:02	04:01:01
264	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
278	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
279	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
294	02:01P	02:01P	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01P	NT	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
298	02:01:01:01	02:01:01:01	50:01:01:01	57:01:01:01	06:02:01:01	06:02:01:02	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
313	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	NT	NT
403	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01G	NT	NT	NT	NT	06:02	06:03	NT	NT	02:01:02	04:01:01
519	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02G	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
702	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
726	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
732	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01:01G
769	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01P
805	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
1189	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	04:01
2063	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
2518	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01:01G	3*01:01:02G	5*01:01:01G	01:02	01:03:01G	06:02	06:03	01:03	01:03:01G	02:01	04:01:01G
3325	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
3410	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	02:01	04:01
3582	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
3614	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	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
6051	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	02:01:01	50:01:01	57:01:01	06:02:01	06:02:01	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
45452	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01

Final Consensus based on High Resolution	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
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**Table 14. Individual laboratory results for DNA # 1007 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	02:01:01G	51:01:01G	57:01:01G	06:02:01G	06:02:01G	13:01:01G	15:01:01G	NT	NT	01:02:01G	01:03	06:02:01G	06:03:01G	01:03:01G	01:03:01G	02:01:02G	04:01:01G
151	02:01:01G	02:01:01G	50:01:01G	57:01:01G	06:02:01G	06:02:01G	13:01:01G	15:01:01G	NT	NT	NT	NT	06:02:01G	06:03:01G	NT	NT	02:01:02G	04:01:01G
162	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	NT	NT
173	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
193	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01P	04:01P
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	NT	NT	NT	NT
292	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
317	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
331	02:01:01:01	02:01:01:01	50:01:01:01	57:01:01:01	06:02:01:01	06:02:01:02	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	01:03:01	01:03:01	02:01:02	04:01:01
402	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	02:01	04:01
1686	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01
2549	02:01:01G	02:01:01G	50:01:01G	57:01:01G	06:02:01G	06:02:01G	13:01:01G	15:01:01G	NT	NT	01:02:01G	01:03:01G	06:02:01G	06:03	01:03:01G	01:03:01G	02:01:02G	04:01:01G
3438	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	NT	NT	06:02	06:03	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	04:01P
3625	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	NT	NT	01:02	01:03	06:02	06:03	NT	NT	02:01	04:01
3849	NT	NT	50:01	57:01	06:02	06:02	NT	NT	NT	NT	01:02	01:03	NT	NT	NT	NT	02:01:02G	04:01:01G
4237	02:01P	02:01P	50:01P	57:01P	06:02:01	06:02:01	13:01:01	15:01P	3*01:01	5*01:01	01:02	01:03	06:02P	06:03P	01:03P	01:03P	02:01P	04:01P
4420	02:01	02:01	NT	57:01	06:02	06:02	13:01	NT	3*01:01	5*01:01	NT	01:03	NT	06:03	01:03	01:03	02:01	NT
5451	NT	NT	NT	NT	NT	NT	13:01:01	15:01:01	3*01:01:02	5*01:01:01	01:02:01	01:03:01	06:02:01	06:03:01	NT	NT	NT	NT
Final Consensus	02:01	02:01	50:01	57:01	06:02	06:02	13:01	15:01	3*01:01	5*01:01	01:02	01:03	06:02	06:03	01:03	01:03	02:01	04:01

**Table 15. Individual laboratory results for DNA # 1007 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
138	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
144	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	01	01	02(DP201)	04(DP401)
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02	02	50	57	06	06	13	15	NT	NT	NT	NT	06	06	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
189	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	NT	NT
190	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
192	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
195	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
199	NT	NT	NT	NT	NT	NT	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
205	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
207	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
209	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
213	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
228	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
239	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	NT	NT
242	02	NT	50	57	06	NT	13	15	3*PRESENT	5*PRESENT	01	01	06	NT	NT	NT	NT	NT
244	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
252	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	01	01	06	06	NT	NT	NT	NT
255	02	02	50	57	NT	NT	13	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	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	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
266	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	01	01	02(DP201)	04(DP401)
267	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	NT	NT	NT	NT
278	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
279	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
280	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	01	01	02(DP201)	04(DP401)
282	02	02	50	57	06	06	13	15	NT	NT	NT	NT	06	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	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
290	02	02	50	57	NT	NT	13	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
294	02	02	50	57	06	06	13	15	3*01	5*01	NT	NT	06	06	NT	NT	NT	NT
300	02	02	50	57	06	06	13	15	NT	NT	NT	NT	06	06	NT	NT	NT	NT
305	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
309	02	02	50	57	06	06	13	15	3*01	5*01	01	01	05	06	01	01	02(DP201)	04(DP401)
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
318	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	01	01	02(DP201)	04(DP401)
328	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
329	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
334	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	01	01	02(DP201)	126
336	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
339	02	02	50	57	06	06	13	15	3*PRESENT	5*PRESENT	NT	NT	06	06	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

**Table 15. Individual laboratory results for DNA # 1007 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	NT	NT
702	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
714	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	NT	NT
1251	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
1647	02	02	50	57	06	06	13	15	3*PRESENT 5*PRESENT		01	01	06	06	01	01	02(DP201)	04(DP401)
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*01	5*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	02	50	57	06	06	13	15	NT	NT	NT	NT	06	06	NT	NT	NT	NT
3600	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	NT	NT
3625	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
3849	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
4237	02	02	50	57	06	06	13	15	NT	NT	NT	NT	06	06	NT	NT	NT	NT
4420	02	02	NT	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	NT
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
4585	02	02	50	57	06	06	13	15	NT	NT	01	01	06	06	NT	NT	NT	NT
5451	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	NT	NT
8050	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)
9221	02	NT	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	NT	02(DP201)	04(DP401)
9222	02	02	50	57	06	06	NT	NT	NT	NT	01	01	06	06	NT	NT	NT	NT
<b>Final Consensus</b>	02	02	50	57	06	06	13	15	3*01	5*01	01	01	06	06	01	01	02(DP201)	04(DP401)

**Table 16. Individual laboratory results for DNA # 1008 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01G	03:01:01	01:03:01	01:03:01	04:02:01	104:01
16	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01G	03:01	01:03:01	01:03:01	04:02:01G	03:01:01G
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
147	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	NT	NT	04:02P	03:01P
148	02:01:01G	24:02:01G	08:01:01G	35:02:01G	04:01:01G	07:01:01G	03:01:01G	11:84:01	3*02:02:01G	3*02:02:01G	NT	NT	02:01:01G	03:01:01G	NT	NT	04:02:01G	104:01
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
160	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01:06	07:01:01	03:01P	11:84:01	3*02:02P	3*02:02P	05:01:01:03	05:05:01	02:01P	03:01P	01:03P	01:03P	04:02P	03:01P
176	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	05:01	05:05	02:01	03:01	NT	NT	04:02	104:01
185	02:01:01G	24:02:01G	08:01:01G	35:02:01G	04:01:01G	07:01:01G	03:01P	11:84	3*02:02P	3*02:02P	05:01:01G	05:01:01G	02:01P	03:01P	NT	NT	04:02:01G	03:01:01G
188	02:01	24:02	08:01	35:02	04:01	07:01	03:01P	11:84:01	NT	NT	05:01:01:03	05:05	02:01:01:01	03:01:01:02	01:03P	01:03P	NT	NT
189	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
190	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01P	11:84:01	NT	NT	NT	NT	02:01:01G	03:01P	NT	NT	04:02:01	104:01:01
192	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01G	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01G	03:01:01G	01:03:01	01:03:01	04:02:01	104:01:01
195	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01	03:01P	01:03:01	01:03:01	04:02:01	104:01:01
205	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01	104:01:01
207	02:01	24:02	08:01	35:02	04:01	07:01	03:01P	11:84	NT	NT	05:01	05:05	02:01	03:01	NT	NT	04:02	104:01
213	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	NT	NT	04:02	104:01
218	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	04:02	104:01
227	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01G	11:84:01	3*02:02:01G	3*02:02:01	05:05:01:03	05:05:01	02:01:01G	03:01:01G	01:03:01G	01:03:01	04:02:01G	03:01:01G
264	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01G	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01	104:01:01
278	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	03:01
279	02:01	24:02	08:01	35:02	04:01	07:01	03:01P	11:84	NT	NT	05:01	05:05	02:01	03:01	NT	NT	04:02	104:01
294	02:01P	24:02	08:01	35:02	04:01	07:01	03:01P	11:84	NT	NT	05:01	05:05	02:01	03:01	NT	NT	04:02	104:01
298	02:01:01:01	24:02:01:01	08:01:01:01	35:02:01	04:01:01:06	07:01:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02	104:01
313	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
403	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01G	11:84:01	NT	NT	NT	NT	02:01:01G	03:01:01G	NT	NT	04:02:01	104:01:01
519	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01G	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01G	104:01
702	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01	104:01:01
726	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
732	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
769	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
805	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01:01G	03:01	01:03	01:03	04:02	104:01
1189	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	3*02:02	3*02:02	NT	NT	NT	NT	NT	NT	04:02	03:01
2063	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01	104:01:01
2518	02:01	24:02	08:01	35:02	04:01P	07:01	03:01:01G	11:84	3*02:02:01G	3*02:02:01G	05:01:01G	05:01:01G	02:01:01G	03:01:01G	01:03:01G	01:03:01G	04:02:01G	03:01:01G
3325	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02:01G	03:01:01G
3410	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	04:02	104:01
3582	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01	104:01:01
3614	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	104:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	02:01P	24:02P	08:01P	35:02P	04:01P	07:01P	03:01P	11:84:01	3*02:02:01:0	3*02:02:01:0	05:01P	05:01P	02:01P	03:01P	NT	NT	04:02P	03:01P
4585	NT	NT	NT	NT	NT	NT	NT	11:84	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:07	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01	104:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	24:02:01	08:01:01	35:02:01	04:01:01	07:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01G	03:01	01:03:01	01:03:01	04:02:01G	03:01:01G
45452	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02:01G	03:01:01G

Final Consensus based on High Resolution	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	NG
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**Table 17. Individual laboratory results for DNA # 1008 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	24:02:01G	08:01:01G	35:02:01G	04:01:01G	07:01:01G	03:01:01G	11:84	NT	NT	05:01	05:01:01G	02:01:01G	03:01:01G	01:03:01G	01:03:01G	04:02:01G	03:01:01G
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02:01	24:02	08:01	35:02	04:01	07:01:01G	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
173	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	05:01	05:05	02:01	03:01	01:03	01:03	04:02	03:01
193	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	3*02:02:01G	3*02:02:01G	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	08:01	35:02	NT	NT	03:01	11:84	3*02:02	NT	05:01	05:05	02:01	03:01	NT	NT	04:02P	104:01
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:04	3*02:02	3*02:02	05:01	05:01	02:01	03:01	NT	NT	NT	NT
292	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:04	3*02:02	3*02:02	05:01	05:01	02:01	03:01	01:03	01:03	04:02	03:01
317	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:04	3*02:02	3*02:02	05:01	05:01	02:01	03:01	01:03	01:03	04:02	03:01
331	02:01:01:01	24:02:01:01	08:01:01:01	35:02:01	04:01:01:06	07:01:01:01	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	01:03:01	01:03:01	04:02:01G	03:01:01G
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1686	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:04	3*02:02	NT	05:01	05:05	02:01	03:01	01:03	01:03	04:02	03:01:01G
2549	02:01:01G	24:02:01G	08:01:01G	35:02	04:01:01G	07:01:01G	03:01:01G	11:84	NT	NT	05:01:01G	05:01:01G	02:01:01G	03:01:01G	01:03:01G	01:03:01G	04:02:01G	03:01:01G
3438	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NT	NT	NT	NT	NT	04:02P	104:01
3625	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	NT	NT	05:01	05:05	02:01	03:01	NT	NT	04:02	03:01
3849	NT	NT	NT	35:02	04:01	07:01	NT	11:84	NT	NT	05:01	05:05	NT	NT	NT	NT	04:02:01G	03:01:01G
4237	02:01P	24:02P	08:01P	35:02:01	04:01:01	07:01:01	03:01P	11:84	3*02:02	NT	05:01	05:05	02:01P	03:01P	01:03P	01:03P	04:02P	03:01P
4420	02:01	NT	NT	NT	NT	NT	NT	11:04	3*02:02	3*02:02	05:01	05:05	NT	NT	01:03	01:03	NT	NT
5451	NT	NT	NT	NT	NT	NT	03:01:01	11:84:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	NT	NT	NT	NT
Final Consensus	02:01	24:02	08:01	35:02	04:01	07:01	03:01	11:84	3*02:02	3*02:02	05:01	05:05	02:01	03:01	01:03	01:03	04:02	NG

**Table 18. Individual laboratory results for DNA # 1008 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	59	03
134	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
138	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
144	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	01	01	04(DP402)	03
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	02	24	08	35	04	07	03	11	NT	NT	NT	NT	02	03	NT	NT	04(DP402)	104
158	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
189	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	NT	NT
190	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	NT	NT	02	03	NT	NT	NT	NT
192	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
195	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
199	NT	NT	NT	NT	NT	NT	03	11	3*PRESENT	3*PRESENT	NT	NT	02	03	NT	NT	NT	NT
205	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
207	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	NT	NT	04(DP402)	104
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
228	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	NT	NT	02	03	NT	NT	NT	NT
239	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
252	02	24	08	35	04	07	03	11	3*PRESENT	NP	05	05	02	03	NT	NT	NT	NT
255	02	24	08	35	NT	NT	03	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	NT	NT	02	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	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
266	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	01	01	04(DP402)	03
267	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	NT	NT	NT	NT
278	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
279	02	24	08	35	04	07	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
280	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	01	01	04(DP402)	03
282	02	24	08	35	04	07	03	11	NT	NT	NT	NT	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	24	08	35	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
290	02	24	08	35	NT	NT	03	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
294	02	24	08	35	04	07	03	11	3*02	3*02	NT	NT	02	03	NT	NT	NT	NT
300	02	24	08	35	04	07	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
305	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
309	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
318	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	01	01	04(DP402)	03
328	02	24	NT	NT	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
329	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	NT	NT	02	03	NT	NT	NT	NT
334	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	01	01	04(DP402)	03
336	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	NT	NT	02	03	NT	NT	NT	NT
339	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	NT	NT	02	03	NT	NT	NT	NT
402	02	24	08	35	04	07	03	11	NT	NT	NT	NT	02	03	NT	NT	04(DP402)	03

**Table 18. Individual laboratory results for DNA # 1008 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	NT	NT
702	02	24	08	35	04	07	03	11	3*02	NT	05	05	02	03	01	01	04(DP402)	104
714	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	NT	NT
1251	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
1647	02	24	08	35	04	07	03	11	3*PRESENT	3*PRESENT	05	05	02	03	01	01	04(DP402)	03
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*02	NT	NT	NT	NT	NT	NT	NT	NT	NT
3438	02	24	08	35	04	07	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
3600	02	24	08	35	04	07	03	11	3*02	NT	05	05	02	03	01	01	NT	NT
3625	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
3849	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
4237	02	24	08	35	04	07	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
4420	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	NT	NT
4551	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	NT	NT	04(DP402)	03
4582	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	03
4585	02	24	08	35	04	07	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
5451	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	NT	NT
8050	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	104
9221	02	24	08	35	04	07	03	11	3*02	NT	05	NT	02	03	01	NT	04(DP402)	104
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
<b>Final Consensus</b>	02	24	08	35	04	07	03	11	3*02	3*02	05	05	02	03	01	01	04(DP402)	NG



**Table 19. Individual laboratory results for DNA # 1009 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01G	13:01:01G
16	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01:02N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01G
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01P	15:01P	4*01:03:01:02N	5*01:01P	01:02:01	02:01:01	03:03:02	06:02	NT	NT	04:01:01	13:01P
138	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	01:01:01G	34:02:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01G	07:01:01G	15:01:01G	4*01:03:01:02N	5*01:01:01G	NT	NT	03:03:02:01	06:02:01G	NT	NT	04:01:01G	13:01:01G
158	01:01:01	34:02:01:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01	07:01:01G	15:01:01G	4*01:01:01G	5*01:01:01G	01:02:01	02:01:01	03:03:02:01	06:02	01:03:01G	02:01:01:06	04:01:01	13:01:01G
160	01:01:01	34:02:01:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01	07:01P	15:01P	4*01:03:01:02N	5*01:01P	01:02:01	02:01:01	03:03:02:01	06:02	01:03P	02:01:01:06	04:01P	13:01P
176	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	01:02	02:01	03:03	06:02	NT	NT	04:01	13:01
185	01:01:01G	34:02:01	14:02:01G	57:01:01G	06:02:01G	08:02:01G	07:01P	15:01P	4*01:01P	5*01:01P	01:02:01G	02:01:01G	03:03P	06:02P	NT	NT	04:01:01G	13:01:01G
188	01:01	34:02:01:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02	07:01P	15:01P	NT	NT	01:02	02:01	NT	NT	01:03P	02:01:01:06	NT	NT
189	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01:01G
190	01:01:01	34:02:01:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01	07:01P	15:01P	NT	NT	NT	NT	03:03:02:01	06:02	NT	NT	04:01:01	13:01P
192	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01G	15:01:01	4*01:03:01:02N	5*01:01:01G	01:02:01	02:01:01	03:03:02	06:02	01:03:01	02:01:01	04:01:01	13:01:01G
195	NT	NT	NT	NT	NT	NT	NT	NT	4*01:03:01:02N	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01
207	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	01:02	02:01	03:03	06:02	NT	NT	04:01	13:01P
213	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	NT	NT	04:01	13:01
218	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	04:01	13:01
227	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01:01G
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	01:01:01	34:02:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01	07:01:01G	15:01:01G	4*01:01:01G	5*01:01:01G	01:02:01	02:01:01	03:03:02:01	06:02	01:03:01G	02:01:01	04:01:01	13:01:01
264	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01:02N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01G	04:01:01	13:01:01
278	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
279	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	01:02	02:01	03:03	06:02	NT	NT	04:01	13:01P
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	01:01:01:01	34:02:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01
313	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	NT	NT
403	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01G	15:01:01G	NT	NT	NT	NT	03:03:02	06:02	NT	NT	04:01:01	13:01:01G
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01:01G	13:01:01G
769	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01P	13:01P
805	01:01	34:02	14:02	57:01	06:02	08:02	07:01:01G	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01:01G
1189	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
1251	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01:02N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01
2063	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01
2518	01:01	34:02	14:02	57:01	06:02	08:02	07:01:01G	15:01:01G	4*01:03:01:02N	5*01:01:01G	01:02	02:01	03:03	06:02	01:03:01G	02:01:01G	04:01	13:01:01G
3325	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01:01G	13:01:01G
3410	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	04:01	13:01
3582	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01:02N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01
3614	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01:01G	13:01:01G
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	01:01P	34:02P	14:02P	57:01P	06:02P	08:02P	07:01P	15:01P	4*01:03:01:02N	5*01:01:01	01:02P	02:01:01G	03:03P	06:02P	NT	NT	04:01P	13:01P
4585	NT	34:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01:02N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	01:01:01	34:02:01	14:02:01	57:01:01	06:02:01	08:02:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01	13:01:01G
45452	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01:01G

Final Consensus based on High Resolution	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01:01G
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**Table 20. Individual laboratory results for DNA # 1009 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	01:01:01G	34:02	14:02:01G	57:01:01G	06:02:01G	08:02:01G	07:01:01G	15:01:01G	NT	NT	01:02:01G	02:01	03:03:02G	06:02:01G	01:03:01G	02:01:01G	04:01:01G	13:01:01G
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	NT	NT
173	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
193	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	14:02	57:01	06:02	NT	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	NT	NT	04:01P	13:01P
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03	5*01:01	01:02	02:01	03:03	06:02	NT	NT	NT	NT
292	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	02:01	NT	NT	NT	NT	NT	NT
316	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
317	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
331	01:01:01:01	34:02:01	14:02:01:01	57:01:01:01	06:02:01:01	08:02:01:01	07:01:01	15:01:01	4*01:03:01N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	01:03:01	02:01:01	04:01:01G	13:01:01G
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1686	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01
2549	01:01:01G	34:02	14:02:01G	57:01:01G	06:02:01G	08:02	07:01:01G	15:01:01G	NT	NT	01:02:01G	02:01:01G	03:03	06:02:01G	01:03:01G	02:01:01G	04:01:01G	13:01:01G
3438	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	13:01P
3625	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	NT	NT	NT	NT	03:03	06:02	NT	NT	04:01	13:01:01
3849	NT	34:02	14:02	57:01	06:02	08:02	NT	NT	4*01:03N	NT	01:02	02:01	NT	NT	NT	NT	04:01:01G	13:01:01G
4237	01:01P	34:02:01	14:02P	57:01P	06:02:01	08:02:01	07:01P	15:01P	4*01:03:01:02N	5*01:01	01:02	02:01	03:03P	06:02P	01:03P	02:01P	04:01P	13:01P
4420	01:01	34:02	14:02	57:01	06:02	NT	07:01	NT	NT	5*01:01	NT	02:01	03:03	NT	01:03	02:01	NT	13:01
5451	NT	NT	NT	NT	NT	NT	07:01:01	15:01:01	4*01:03:01:02N	5*01:01:01	01:02:01	02:01:01	03:03:02	06:02:01	NT	NT	NT	NT
Final Consensus	01:01	34:02	14:02	57:01	06:02	08:02	07:01	15:01	4*01:03:01:02N	5*01:01	01:02	02:01	03:03	06:02	01:03	02:01	04:01	13:01:01G

**Table 21. Individual laboratory results for DNA # 1009 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	01	34	14	57	06	08	07	15	4*NULL	5*01	01	02	03	06	01	02	04(DP401)	13
144	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	01	02	04(DP401)	13
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	01	34	14	57	06	08	07	15	NT	NT	NT	NT	03	06	NT	NT	04(DP401)	13
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	NT	NT
190	01	34	14	57	06	08	07	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
192	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
195	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
199	NT	NT	NT	NT	NT	NT	09	13	4*PRESENT	3*PRESENT	NT	NT	03	04	NT	NT	NT	NT
205	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
207	01	34	14	57	06	08	07	15	4*NULL	5*01	01	02	03	06	01	02	04(DP401)	13
209	NT	NT	NT	NT	NT	NT	07	15	4*PRESENT	5*PRESENT	NT	NT	NT	NT	NT	NT	NT	NT
213	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
228	01	34	14	57	06	08	07	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
239	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	NT	NT	NT	NT
252	01	34	14	57	06	08	07	15	4*PRESENT	5*PRESENT	01	02	03	06	NT	NT	NT	NT
255	01	34	14	57	NT	NT	07	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	01	34	14	57	06	08	07	15	4*PRESENT	5*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	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
266	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	01	02	04(DP401)	13
267	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	NT	NT	NT	NT
278	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
279	01	34	14	57	06	08	07	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
280	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	01	02	04(DP401)	13
282	01	34	14	57	06	08	07	15	NT	NT	NT	NT	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	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	NT	NT	NT	NT
290	01	34	14	57	NT	NT	07	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	NT	NT	NT	NT
294	01	34	14	57	06	08	07	15	NT	NT	NT	NT	03	06	NT	NT	04(DP401)	13
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
305	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	NT	NT	NT	NT
309	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
311	01	34	14	57	07	15	07	15	4*PRESENT	5*PRESENT	01	02	03	03	NT	NT	NT	NT
316	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
318	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	01	02	04(DP401)	13
328	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	NT	NT	NT	NT
329	01	34	14	57	06	08	07	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
334	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	01	02	04(DP401)	13
336	01	34	14	57	06	08	07	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
339	01	34	14	57	06	08	07	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
402	01	34	14	57	06	08	07	15	NT	NT	NT	NT	03	06	NT	NT	04(DP401)	13

**Table 21. Individual laboratory results for DNA # 1009 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
519	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
615	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	NT	NT
702	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	04(DP401)	13
714	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
726	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
805	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1647	01	34	14	57	06	08	07	15	4*NULL	5*PRESENT	01	02	03	06	01	02	04(DP401)	13
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2549	NT	NT	NT	NT	NT	NT	NT	NT	4*01N	5*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	01	34	14	57	06	08	07	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
3600	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	NT	NT
3625	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
3849	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
4237	01	34	14	57	06	08	07	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
4420	01	34	14	57	06	08	07	15	4*01	5*01	01	02	03	06	01	02	NT	13
4551	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	NT	NT	04(DP401)	13
4582	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
4585	01	34	14	57	06	08	07	15	NT	NT	01	02	03	06	NT	NT	NT	NT
5451	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	NT	NT
8050	01	34	14	57	06	08	07	15	4*01N	5*01	01	02	03	06	01	02	04(DP401)	13
9221	01	34	14	57	06	08	07	15	4*NULL	5*01	01	02	03	06	01	02	04(DP401)	13
9222	NT	NT	14	57	06	08	NT	NT	NT	NT	01	02	03	03	NT	NT	NT	NT
<b>Final Consensus</b>	01	34	14	57	06	08	07	15	NG	5*01	01	02	03	06	01	02	04(DP401)	13

**Table 22. Individual laboratory results for DNA # 1010 using Next Generation Sequencing**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01G	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
16	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01G	03:03:02	01:03:01	02:02:02	02:01:02G	05:01:01G
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01P	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01P	03:03:02	NT	NT	02:01:02	05:01:01
138	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	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	26:03:01	15:01:01:01	51:01:01G	14:02:01G	15:02:01:01	09:01:02G	14:03:01	3*01:01:02G	4*01:03:02	NT	NT	03:01:01G	03:03:02G	NT	NT	02:01:02G	05:01:01G
158	24:02:01	26:03:01:01	15:01:01:01	51:01:01	14:02:01	15:02:01:01	09:01:02G	14:03:01	3*01:01:02	4*01:03:02	03:02:01:01	05:07	03:01:01G	03:03:02	01:03	02:02:02	02:01:02	05:01:01
160	24:02:01	26:03:01:01	15:01:01:01	51:01:01	14:02:01	15:02:01:01	09:01P	14:03:01	3*01:01P	4*01:03:02	03:02:01:01	05:07	03:01P	03:03:02	01:03	02:02:02	02:01:02	05:01:01
176	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	03:02	05:07	03:01	03:03	NT	NT	02:01	05:01
185	24:02:01G	26:03:01	15:01:01G	51:01:01G	14:02:01G	15:02:01G	09:01P	14:03P	3*01:01P	4*01:01P	03:01:01G	05:01:01G	03:01P	03:03P	NT	NT	02:01:02G	05:01:01G
188	24:02	26:03:01:01	15:01:01:01	51:01	14:02	15:02:01:01	09:01P	14:03:01	NT	NT	03:02:01:01	05:07	03:01	03:03:02:02	01:03	02:02	02:01P	05:01P
189	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	NT	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
190	24:02:01	26:03:01:01	15:01:01:01	51:01:01	14:02:01	15:02:01:01	09:01P	14:03:01	NT	NT	NT	NT	03:01:01G	03:03:02	NT	NT	02:01:02	05:01:01
192	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02G	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01G	03:03:02	01:03	02:02:02	02:01:02	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	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
207	24:02	26:03	15:01	51:01	14:02	15:02	09:01P	14:03	NT	NT	03:02	05:07	03:01	03:03	NT	NT	02:01	05:01
213	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	NT	NT	02:01	05:01
218	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	03:03	NT	NT	02:01	05:01
227	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	24:02:01	26:03:01	15:01:01:01	51:01:01	14:02:01	15:02:01:01	09:01:02G	14:03:01	3*01:01:02	4*01:03:02	03:02:01:01	05:07	03:01:01G	03:03:02	01:03	02:02:02	02:01:02	05:01:01
264	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01G	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02G	05:01:01G
278	24:02	26:03	15:01	57:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
279	24:02	26:03	15:01	51:01	14:02	15:02	09:01P	14:03	NT	NT	03:02	05:07	03:01	03:03	NT	NT	02:01	05:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	24:02:01:01	26:03:01	15:01:01:01	51:01:01:01	14:02:01:01	15:02:01:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
313	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	03:03	NT	NT	NT	NT
403	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02G	14:03:01	NT	NT	NT	NT	03:01:01G	03:03:02	NT	NT	02:01:02	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	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01:02G	05:01:01G
769	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
805	24:02	26:03	15:01	51:01	14:02	15:02	09:01:02G	14:03	3*01:01	4*01:03	03:02	05:07	03:01:01G	03:03	01:03	02:02	02:01	05:01
1189	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
1251	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02G	05:01:01G
2063	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
2518	24:02	26:03	15:01	51:01	14:02	15:02	09:01:02G	14:03	3*01:01	4*01:03	03:02	05:01:01G	03:01:01G	03:03:02G	01:03:01G	02:02	02:01:02G	05:01
3325	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01:02G	05:01:01G
3410	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	03:03	NT	NT	02:01	05:01
3582	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
3614	24:02	26:03	15:01	51:01	14:02	15:02	09:01:02G	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	24:02P	26:03P	15:01P	51:01P	14:02P	15:02P	09:01P	14:03P	3*01:01:02	4*01:03	03:01P	05:01P	03:01P	03:03P	NT	NT	02:01P	05:01P
4585	NT	26:03	NT	NT	NT	NT	NT	14:03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	24:02:01	26:03:01	15:01:01	51:01:01	14:02:01	15:02:01	09:01:02	14:03:01	3*01:01:02G	4*01:03:02	03:02:01	05:07	03:01:01G	03:03:02	01:03:01	02:02:02	02:01:02	05:01:01
45452	24:02	26:03	15:01	51:01	14:02	15:02	09:01:02G	14:03	3*01:01	4*01:03	03:02	05:07	03:01:01G	03:03	01:03	02:02	02:01:02G	05:01:01G

Final Consensus based on High Resolution	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
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**Table 23. Individual laboratory results for DNA # 1010 High Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	24:02:01G	26:03	15:01:01G	51:01:01G	14:02:01G	15:02:01G	09:01:02G	14:03	NT	NT	03:02	05:03	03:01:01G	03:03:02G	01:03:01G	02:02	02:01:02G	05:01:01G
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	03:03	NT	NT	NT	NT
173	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01
193	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	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
239	NT	26:03	NT	NT	NT	15:02	09:01	14:03	3*01:01	4*01:03	03:01P	05:07	03:01	03:03	01:03	02:07	02:01P	05:01P
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:01	03:02	05:03	03:01	03:03	NT	NT	NT	NT
292	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	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	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:01	03:02	05:03	03:01	03:03	01:03	02:02	02:01	05:01
317	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:01	03:02	05:03	03:01	03:03	01:03	02:02	02:01	05:01
331	24:02:01:01	26:03:01	15:01:01:01	51:01:01:01	14:02:01:01	15:02:01:01	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01:01	03:03:02	01:03:01	02:02:02	02:01:02G	05:01:01G
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1686	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:02	03:01	03:03	01:03	02:02:02	02:01	05:01
2549	24:02:01G	26:03	15:01:01G	51:01:01G	14:02	15:02:01G	09:01:02G	14:03	NT	NT	03:01:01G	05:02	03:01:01G	03:03	01:03:01G	02:02	02:01:02G	05:01:01G
3438	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	NT	NT	03:01	03:03	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	05:01P
3625	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	NT	NT	03:02	05:07	03:01	03:03	NT	NT	02:01	05:01
3849	NT	26:03	NT	NT	14:02	15:02	NT	14:03	NT	4*01:03	03:02	05:07	NT	03:03	NT	NT	02:01:02G	05:01:01G
4237	24:02P	26:03:01	15:01P	51:01P	14:02	15:02P	09:01P	14:03:01	3*01:01	4*01:03	03:02	05:07	03:01P	03:03P	01:03P	02:02P	02:01P	05:01P
4420	NT	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	NT	03:02	05:03	NT	03:03	01:03	NT	02:01	05:01
5451	NT	NT	NT	NT	NT	NT	09:01:02	14:03:01	3*01:01:02	4*01:03:02	03:02:01	05:07	03:01	03:03:02	NT	NT	NT	NT
Final Consensus	24:02	26:03	15:01	51:01	14:02	15:02	09:01	14:03	3*01:01	4*01:03	03:02	05:07	03:01	03:03	01:03	02:02	02:01	05:01

**Table 24. Individual laboratory results for DNA # 1010 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	24	26	15	51	14	15	09	14	3*03	4*01	03	05	03	03	01	02	02(DP201)	05
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
144	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	01	02	02(DP201)	05
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	24	26	15	51	14	15	09	14	NT	NT	NT	NT	03	03	NT	NT	02(DP201)	05
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	NT	NT
190	24	26	15	51	14	15	09	14	4*PRESENT	3*PRESENT	NT	NT	03	03	NT	NT	NT	NT
192	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
195	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
199	NT	NT	NT	NT	NT	NT	07	07	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
205	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
207	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
209	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
213	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
228	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
239	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
252	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
255	24	26	15	51	NT	NT	09	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	24	26	15	51	14	15	09	14	3*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	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
266	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	01	02	02(DP201)	05
267	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	NT	NT	NT	NT
278	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
279	24	26	15	51	14	15	09	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
280	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	01	02	02(DP201)	05
282	24	26	15	51	14	15	09	14	NP	NT	NT	NT	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	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
290	24	26	15	51	NT	NT	09	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
294	24	26	15	51	14	15	09	14	NT	NT	NT	NT	03	03	NT	NT	02(DP201)	05
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
305	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
309	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
318	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	01	02	02(DP201)	05
328	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
329	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
334	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	01	02	02(DP201)	05
336	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
339	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
402	24	26	15	51	14	15	09	14	NT	NT	NT	NT	03	03	NT	NT	02(DP201)	05

**Table 24. Individual laboratory results for DNA # 1010 Low Resolution**

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
519	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
615	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	NT	NT
702	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
714	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
726	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
805	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1647	24	26	15	51	14	15	09	14	3*PRESENT	4*PRESENT	03	05	03	03	01	02	02(DP201)	05
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2549	NT	NT	NT	NT	NT	NT	NT	NT	3*01	4*01	NT	NT	NT	NT	NT	NT	NT	NT
3438	24	26	15	51	14	15	09	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
3600	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	NT	NT
3625	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
3849	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
4237	24	26	15	51	14	15	09	14	NT	NT	NT	NT	03	03	NT	NT	NT	NT
4420	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
4551	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	NT	NT	02(DP201)	05
4582	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
4585	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
5451	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	NT	NT
8050	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
9221	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05
9222	24	26	15	51	14	15	09	14	NT	NT	03	05	03	03	NT	NT	NT	NT
<b>Final Consensus</b>	24	26	15	51	14	15	09	14	3*01	4*01	03	05	03	03	01	02	02(DP201)	05



## 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-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH-OL	NGS-INH	NGS-INH	NGS-INH	NGS-INH-OL
134	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL		NGS-GIL
138	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
144	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG		SSO-OL	SBT-TBG	SSO-OL	SSO-OL
147	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	SSP-OLE	SSP-OLE	NGS-GIL		NGS-GIL
148	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD		NGS-GD		NGS-GD
151	SBT-LT	SBT-LT	SBT-LT	SBT-LT			SBT-LT		SBT-LT
158	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD
160	NGS-GIL SBT-GIL SSO-OL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL
162	SBT-BS	SBT-BS	SBT-BS	SBT-BS			SBT-BS		
173	SSO-LUM SSP-OL	SSO-LUM SSP-OL	SSO-LUM	SSO-LUM		SSO-LUM SSP-OL	SSO-LUM	SSO-LUM	SSO-LUM SSP-OL
176	SBT-INH	SBT-INH	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
188	NGS-GIL SSP-OLE	NGS-GIL	NGS-GIL	NGS-GIL SBT-ACT		NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
189	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX SSO-OL
190	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
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 SSP-SC	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 rtPCR-LB	NGS-OL	NGS-OL	NGS-OL	NGS-OL
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 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	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE		NGS-OMX SSP-OLE
218	NGS-INH	NGS-INH	NGS-INH	NGS-INH			NGS-INH		NGS-INH
227	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
239	rtPCR-LB	rtPCR-LB	rtPCR-LB	SSP-OL rtPCR-LB	SSP-OL rtPCR-LB	SSP-OL rtPCR-LB	SSP-OL rtPCR-LB	rtPCR-LB	rtPCR-LB
258	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC
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		
279	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX		NGS-OMX SSP-OLE
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	NGS-OMX		NGS-OMX
298	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX		NGS-OMX	NGS-OMX		NGS-OMX

**Participants and Methods High Resolution**

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
311						SSP-OLE			
316	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-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
331	Other-Others								
402	SBT-GD	SBT-GD	SBT-GD	SBT-GD			SBT-GD		SBT-GD-TEP
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
702	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
726	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
732	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
769	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
805	NGS-GIL SBT-OL	NGS-GIL SBT-OL	NGS-GIL SBT-OL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SBT-OL	NGS-GIL	NGS-GIL SBT-OL
1189	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
1251	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL SSO-IMM	NGS-OL	NGS-OL	NGS-OL	NGS-OL Other-Others SSO-IMM SSP-OLE
1686	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE
2063	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
2518	NGS-GIL SSO-OL	NGS-GIL	NGS-GIL	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL	NGS-GIL
2549	SBT-OLE	SBT-OLE	SBT-OLE	SBT-OLE		SSP-OLE	SBT-OLE	SSO-OL	SSO-OL
3325	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE
3410	NGS-GIL SSO-OL	NGS-GIL	NGS-GIL SSO-OL	NGS-GIL			NGS-GIL		NGS-GIL
3438	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		
3582	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3600									rtPCR-LB-LS
3614	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX SSP-OL	NGS-OMX SSP-OL	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-OL	SSP-OL	SSP-OL	SBT-OL		SBT-INH-OL
4237	SBT-TBG SSP-OLE	SBT-OL-TBG	SBT-TBG	SBT-TBG SSP-TBG	SSP-OLE	SSO-OL SSP-OLE	SBT-TBG SSO-OL SSP-OLE	SSO-OL	SSO-OL
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK
4551	NGS-OMX	NGS-OMX	NGS-IMM-OMX	NGS-OMX	SSP-OLE	NGS-OMX	NGS-OMX		NGS-OMX SSP-OLE
5451				SBT-INH	SBT-INH	SBT-INH	SBT-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
124	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG
134	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSP-OLE	SSO-OL	SSO-OL SSP-OLE		SSP-OLE
144	SSO-OL	SSO-OL	SSO-OL	SSO-IMM		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	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 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	SSO-OL rtPCR-LS
189	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	
190	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSP-OL		SSP-OL		
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 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	SSO-OL rtPCR-LS
207	SSO-IMM SSP-OLE rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	rtPCR-LS	SSO-IMM rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	SSO-IMM rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS
209	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSO-OL	SSO-OL SSP-BR		
213	SSP-INN-OLE	SSP-INN-OLE	SSP-INN-OLE	SSP-INN-OLE	SSP-OLE	SSP-INN-OLE	SSP-INN-OLE	SSP-INN	SSP-INN-OLE
215	SSP-BT	SSP-BT	SSP-BT	SSP-BT	SSP-BT		SSP-BT		
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		
239	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	
242	SSP-OL-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
244	SSO-BAG SSP-OL	SSO-BAG	SSO-BAG SSP-OL	SSO-BAG		SSO-BAG SSP-OLE	SSO-BAG SSP-OL		
252	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-PRO	SSP-BR-PRO		SSP-BR		
262	SSP-BR-OLE-PRO	SSP-OLE-PRO	SSP-PRO	SSP-OLE-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	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		
279	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB	SSP-LB	SSP-LB-OLE	SSP-LB	SSP-LB
280	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
282	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE			SSP-OLE		
285	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
286	SSO-LUM-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
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 SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSP-OLE	SSO-IMM	Other-Others SSO-IMM SSP-OLE		SSP-OLE
300	SSP-OL	SSP-OL	SSP-OL	SSP-OL			SSP-OL		
305	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	SSO-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	SSO-OL
318	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
328	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		
334	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
336	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
339	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT
402	SSO-IMM-OL	SSO-IMM-OL	SSO-IMM-OL	SSO-IMM-OL			SSO-IMM-OL		SSO-IMM-OL
519	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM
615	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
702	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	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	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
805	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
1251	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM	Other-Others SSO-IMM SSP-OLE	Other-Others SSO-IMM	Other-Others SSO-IMM SSP-OLE
1647	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
2063	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
2549					SSO-OL				
3438	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM			SSO-LUM		
3600	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS	rtPCR-LB-LS
3625	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM
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		
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK
4551	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSP-OLE	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
4582	SSO-OL	SSO-OL	SSO-OL	Other-Others SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	Other-Others SSO-OL
4585	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
5451	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS

**Participants and Methods Low Resolution**

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
8050	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
9221	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
9222	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		