

UCLA INTERNATIONAL HLA DNA EXCHANGE—166TH SUMMARY



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DNA Sample	
#1017	#1020
#1018	#1021
#1019	#1022

DNA #1017 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*26:01-B*07:02-B*38:01-C*07:02-C*12:03-DRB1*01:03-DRB1*07:01-DRB4*01:01-DQA1*01:01-DQA1*02:01-DQB1*02:02-DQB1*05:01-DPA1*01:03-DPA1*02:01-DPB1*02:01-DPB1*11:01.

The likely class I associations for this cell are A*02:01-B*07:02-C*07:02 and A*26:01-B*38:01-C*12:03, with respective frequencies of HF=0.01085 and HF=0.00854, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1017 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9.

DNA #1018 BLACK

The consensus type for this sample from a Black donor is A*02:01-A*02:02-B*07:02-B*45:01-C*15:05-C*16:01-DRB1*01:02-DRB1*13:02-DRB3*03:01-DQA1*01:01-DQA1*01:02-DQB1*05:01-DQB1*05:02-DPA1*02:01-DPB1*01:01-DPB1*30:01.

The likely class II associations for this cell are DRB1*01:02-DQB1*05:01 and DRB1*13:02-DQB1*05:02, with respective frequencies of HF=0.03729 and HF=0.00263, as seen in African Americans, according to the NMDP Bioinformatics website.

The results for DNA #1018 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12.

DNA #1019 BLACK

The consensus type for this sample from a Black donor is A*03:01-B*07:02-C*07:02-DRB1*01:03-DRB1*15:01-DRB5*01:01-DQA1*01:01-DQA1*01:02-DQB1*05:01-DQB1*06:02-DPA1*01:03-DPB1*02:01-DPB1*04:01.

The likely class II associations for this cell are DRB1*01:03-DQB1*05:01 and DRB1*15:01-DQB1*06:02, with respective frequencies of HF=0.00216 and HF=0.03122, as seen in African Americans, according to the NMDP Bioinformatics website.

The results for DNA #1019 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15.



DNA Sample	
#1017	#1020
#1018	#1021
#1019	#1022

DNA #1020 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A*02:01-A*66:01-B*15:01-B*38:01-C*03:04-C*12:03-DRB1*01:01-DRB1*11:01-DRB3*02:02-DQA1*01:01-DQA1*05:05-DQB1*03:01-DQB1*05:01-DPA1*01:03-DPA1*02:01-DPB1*01:01-DPB1*04:01.

Six participants reporting High Resolution results using NGS could not exclude the novel allele DRB1*01:100. The DRB1*01:100 is a one nucleotide variant of DRB1*01:01:01, with a single nucleotide change in codon 228 exon 5, resulting in an amino acid substitution of Seranine to Alanine (TCT -> GCT) as noted in *Characterization of a novel HLA-DRB1*01:100 allele by sequencing-based typing* (Cargou, Marine et al. HLA Immune Response Genetics, 2019. Volume 94, Issue 2; 166-167).

The likely class I associations in this cell are A*02:01-B*15:01-C*03:04 and A*68:01-B*38:01-C*12:03, with respective frequencies of HF=0.01723 and HF=0.00045, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1020 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18.

DNA #1021 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*68:01-B*07:02-B*49:01-C*07:01-C*07:02-DRB1*04:05-DRB1*11:02-DRB3*02:02-DRB4*01-DQA1*03:03-DQA1*05:05-DQB1*03:01-DQB1*03:02-DPA1*01:03-DPB1*04:01-DPB1*03/104.

A consensus for the DRB4 allele could not be reached seeing as 14 participants reported DRB4*01:03:01, 3 participants reported DRB4*01:01:01G, 3 participants reported DRB4*01:01P, 16 participants reported DRB4*01:03 and 2 participants reported DRB4*01:01. Interestingly, 83% of participants reporting NGS results reported DRB4*01:03. A consensus for the second DPB1 allele could not be reached seeing as 13 participants reported DPB1*104:01:01, 12 participants reported DPB1*03:01:01G, 10 participants reported DPB1*03:01P, 12 participants reported DPB1*104:01 and 6 participants reported DPB1*03:01.

The likely class I associations in this cell are A*02:01-B*07:02-C*07:02 and A*68:01-B*49:01-C*07:01, with respective frequencies of HF=0.01085 and HF=0.00184, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1021 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21.

DNA #1022 ASIAN

The consensus type for this sample from an Asian donor is A*11:01-A*33:03-B*27:06-B*44:03-C*03:04-C*07-DRB1*07:01-DRB1*12:02-DRB3*03:01-DRB4*01-DQA1*01:02-DQA1*02:01-DQB1*02:02-DQB1*05:02-DPA1*01:03-DPA1*02:01-DPB1*03:01-DPB1*10:01.

A consensus for the second C*07 allele could not be reached seeing as 6 participants reported C*07:06:01:01, 17 participants reported C*07:06:01, 5 participants reported C*07:01:01G, 4 participants reported 07:01P, 22 participants reported C*07:06, 1 participant reported C*07:02, and 2 participants reported C*07:01. A consensus for the DRB4 allele could not be reached seeing as 14 participants reported DRB4*01:03:01, 4 participants reported DRB4*01:01G, 3 participants reported DRB4*01:01P, 15 participants reported DRB4*01:03 and 2 participants reported DRB4*01:01.

The likely associations in this cell are A*11:01-B*27:06-DRB1*12:02 and A*33:03-B*44:03-DRB1*07:01, with respective frequencies of HF=0.00028 and HF=0.01499, as seen exclusively in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1022 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24.

ACKNOWLEDGMENTS:

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Table 4. Summary of the 166th DNA Exchange (DNA #1020)

A				B				C			
59 labs High / 62 labs Low		% (n)		59 labs High / 63 labs Low		% (n)		58 labs High / 61 labs Low		% (n)	
A*02:01:01:01	3 (2)	A*66:01:01:01	8 (5)	B*15:01:01:01	7 (4)	B*38:01:01:01	2 (1)	C*03:04:01:01	3 (2)	C*12:03:01:01	9 (5)
A*02:01:01	33(19)	A*66:01:01	30(18)	B*15:01:01	27(16)	B*38:01:01	36(21)	C*03:04:01	34(20)	C*12:03:01	31(18)
<i>A*24:02:01</i>	2 (1)	<i>A*24:02:01</i>	2 (1)	<i>B*07:02:01</i>	2 (1)	<i>B*07:02:01</i>	2 (1)	<i>C*07:02:01</i>	2 (1)	<i>C*07:02:01</i>	2 (1)
A*02:01:01G	3 (2)	A*66:01:01G	2 (1)	B*15:01:01G	7 (4)	B*38:01:01G	5 (3)	C*03:04:01G	5 (3)	C*12:03:01G	3 (2)
A*02:01P	12(7)	A*66:01P	5 (3)	B*15:01P	7 (4)	B*38:01P	5 (3)	C*03:04P	5 (3)	C*12:03P	5 (3)
A*02:01	47(27)	A*66:01	52(31)	B*15:01	51(30)	B*38:01	50(29)	C*03:04	48(28)	C*12:03	50(29)
A*02	100(62)	A*66	98(61)	B*15	100(63)	B*38	100(63)	C*03:03	2 (1)	C*12	100(60)
		<i>A*68</i>	2 (1)					C*03	100(61)		
DRB1				DRB3/4/5				DQA1			
61 labs High / 65 labs Low		% (n)		40 labs High / 37 labs Low		% (n)		50 labs High / 46 labs Low		% (n)	
DRB1*01:01:01	25(15)	DRB1*11:01:01	29(18)	DRB3*02:02:01:01	2 (1)			DQA1*01:01:01	36(18)	DQA1*05:05:01	36(18)
<i>DRB1*04:01:01</i>	2 (1)	<i>DRB1*15:01:01</i>	2 (1)	<i>DRB4*01:03:01</i>	2 (1)			<i>DQA1*01:02:01</i>	2 (1)	<i>DQA1*03:03:01</i>	2 (1)
DRB1*01:01:01G	10(6)	DRB1*11:01:01G	3 (2)	DRB3*02:02:01	45(18)			DQA1*01:01:01G	4 (2)	DQA1*05:01:01G	4 (2)
DRB1*01:01P	16(10)	DRB1*11:01P	7 (4)	DRB3*02:02:01G	2 (1)			DQA1*01:01P	6 (3)	DQA1*05:01P	6 (3)
DRB1*01:01	47(29)	DRB1*11:01	59(36)	DRB3*02:02P	2 (1)			DQA1*01:01	52(26)	DQA1*05:05	52(26)
DRB1*01	98(64)	DRB1*11	100(65)	DRB3*02:02	45(18)			DQA1*01	100(46)	DQA1*05	100(46)
<i>DRB1*15</i>	2 (1)			DRB3*02	70(26)						
				DRB3*PRESENT	30(11)						
DQB1				DPA1				DPB1			
62 labs High / 63 labs Low		% (n)		37 labs High / 31 labs Low		% (n)		56 labs High / 34 labs Low		% (n)	
DQB1*03:01:01:03	2 (1)	DQB1*05:01:01:03	2 (1)	DPA1*01:03:01	46(17)	DPA1*02:01:02:02	8 (3)	DPB1*01:01:01	36(20)	DPB1*04:01:01	38(21)
DQB1*03:01:01	20(12)	DQB1*05:01:01	27(17)	DPA1*01:03:01G	8 (3)	DPA1*02:01:02	40(15)	<i>DPB1*04:01:01</i>	2 (1)	DPB1*04:01:01G	7 (4)
DQB1*03:01:01G	15(9)	<i>DQB1*06:02:01</i>	2 (1)	DPA1*01:03P	5 (2)	<i>DPA1*01:03:01</i>	3 (1)	DPB1*01:01:01G	7 (4)	DPB1*04:01P	7 (4)
DQB1*03:01P	18(11)	DQB1*05:01:01G	5 (3)	DPA1*01:03	40(15)	DPA1*02:01	49(18)	DPB1*01:01P	9 (5)	DPB1*04:01	47(26)
DQB1*03:01	46(28)	DQB1*05:01P	8 (5)	DPA1*01	100(31)	DPA1*02	100(31)	DPB1*01:01	46(26)	DPB1*04(DP401)	100(33)
DQB1*03	98(62)	DQB1*05:01	56(35)					DPB1*01	100(34)		
<i>DQB1*06</i>	2 (1)	DQB1*05	100(63)								

Discrepant results from consensus are italicized in Tables 1-6

Table 5. Summary of the 166th DNA Exchange (DNA #1021)

A				B				C			
58 labs High / 65 labs Low		% (n)		59 labs High / 65 labs Low		% (n)		59 labs High / 63 labs Low		% (n)	
A*02:01:01	31(18)	A*68:01:02:02	2 (1)	B*07:02:01:01	5 (3)	B*49:01:01	41(24)	C*07:01:01	40(23)	C*07:02:01:03	2 (1)
A*02:01:01G	15(9)	A*68:01:02	32(18)	B*07:02:01	33(19)	B*49:01:01G	7 (4)	C*07:01:01G	7 (4)	C*07:02:01	37(22)
A*02:01P	12(7)	A*68:01:02G	16(9)	B*07:02:01G	7 (4)	B*49:01P	5 (3)	C*07:01P	9 (5)	C*07:02:01G	5 (3)
<i>A*11:01P</i>	2 (1)	A*68:01P	10(6)	B*07:02P	7 (4)	B*49:01	46(27)	C*07:01	43(25)	C*07:02P	7 (4)
A*02:01	40(23)	<i>A*33:03P</i>	2 (1)	B*07:02	47(27)	<i>B*44:03</i>	2 (1)	<i>C*03:04</i>	2 (1)	C*07:02	46(27)
A*02	98(64)	A*68:01	39(22)	<i>B*27:06</i>	2 (1)	B*49	98(64)	C*07	98(62)	C*07:06	2 (1)
<i>A*11</i>	2 (1)	A*68	98(64)	B*07	98(62)	<i>B*44</i>	2 (1)	C*03	2 (1)	<i>C*07:01</i>	2 (1)
		<i>A*33</i>	2 (1)	<i>B*27</i>	2 (1)					C*07	100(62)

DRB1				DRB3/4/5				DQA1			
60 labs High / 67 labs Low		% (n)		39 labs High / 39 labs Low		% (n)		49 labs High / 51 labs Low		% (n)	
DRB1*04:05:01	42(25)	DRB1*11:02:01	40(24)	DRB3*02:02:01:01	3 (1)	DRB4*01:03:01	37(14)	DQA1*03:03:01	39(19)	DQA1*05:05:01	39(19)
DRB1*04:05P	8 (5)	DRB1*11:02P	8 (5)	DRB3*02:02:01	38(15)	DRB4*01:01:01G	8 (3)	DQA1*03:01:01G	6 (3)	DQA1*05:01:01G	4 (2)
<i>DRB1*07:01P</i>	2 (1)	DRB1*11:02	50(30)	DRB3*02:02:01G	10(4)	DRB4*01:01P	8 (3)	DQA1*03:01P	6 (3)	DQA1*05:01P	6 (3)
DRB1*04:05	48(29)	<i>DRB1*12:02</i>	2 (1)	DRB3*02:02P	5 (2)	DRB4*01:03	42(16)	DQA1*03:03	45(22)	DQA1*05:05	51(25)
DRB1*04	97(65)	DRB1*11	97(65)	DRB3*02:02	41(16)	DRB4*01:01	5 (2)	<i>DQA1*03:02</i>	2 (1)	DQA1*05	98(50)
<i>DRB1*11</i>	1 (1)	<i>DRB1*13</i>	1 (1)	<i>DRB3*02:01</i>	3 (1)	DRB4*01	69(27)	<i>DQA1*03:01</i>	2 (1)	<i>DQA1*02</i>	2 (1)
<i>DRB1*07</i>	1 (1)	<i>DRB1*12</i>	1 (1)	DRB3*02	67(26)	DRB4*PRESENT	31(12)	DQA1*03	98(50)		
				<i>DRB3*03</i>	2 (1)			<i>DQA1*01</i>	2 (1)		
				DRB3*PRESENT	31(12)						

DQB1				DPA1				DPB1			
60 labs High / 67 labs Low		% (n)		35 labs High / 32 labs Low		% (n)		53 labs High / 36 labs Low		% (n)	
DQB1*03:01:01	22(13)	DQB1*03:02:01	21(13)	DPA1*01:03:01	46(16)			DPB1*104:01:01	24(13)	DPB1*04:01:01	24(13)
DQB1*03:01:01G	18(11)	DQB1*03:02:01G	18(11)	DPA1*01:03:01G	11(4)			DPB1*03:01:01G	23(12)	DPB1*04:01:01G	24(13)
DQB1*03:01P	17(10)	DQB1*03:02P	16(10)	DPA1*01:03P	6 (2)			DPB1*03:01P	19(10)	DPB1*04:01P	15(8)
DQB1*03:01	42(25)	<i>DQB1*05:02P</i>	2 (1)	DPA1*01:03	37(13)			DPB1*104:01	23(12)	DPB1*04:01	34(18)
<i>DQB1*02:02</i>	2 (1)	DQB1*03:02	43(26)	DPA1*01	100(32)			DPB1*03:01	11(6)	<i>DPB1*10:01</i>	2 (1)
DQB1*03	98(66)	DQB1*03	98(65)					DPB1*104	13(36)	DPB1*04(DP401)	97(35)
DQB1*03	2 (1)	<i>DQB1*05</i>	2 (1)					DPB1*03	23(64)	<i>DPB1*10</i>	3 (1)

Discrepant results from consensus are italicized in Tables 1-6

Table 6. Summary of the 166th DNA Exchange (DNA #1022)

A				B				C			
57 labs High / 65 labs Low		% (n)		59 labs High / 65 labs Low		% (n)		57 labs High / 63 labs Low		% (n)	
A*11:01:01:01	3 (2)	A*33:03:01	35(20)	B*27:06	98(58)	B*44:03:02:01	9 (5)	C*03:04:01:02	2 (1)	C*07:06:01:01	10(6)
A*11:01:01	32(18)	A*33:03:01G	9 (5)	<i>B*07:02P</i>	2 (1)	B*44:03:02	31(18)	C*03:04:01	37(21)	C*07:06:01	29(17)
A*11:01:01G	9 (5)	A*33:03P	7 (4)	B*27	98(64)	B*44:03:02G	5 (3)	C*03:04:01G	9 (5)	C*07:01:01G	9 (5)
A*11:01P	7 (4)	<i>A*68:01P</i>	2 (1)	<i>B*07</i>	2 (1)	B*44:03P	5 (3)	C*03:04P	5 (3)	C*07:01P	7 (4)
<i>A*02:01P</i>	2 (1)	A*33:03	44(25)			<i>B*44:01P</i>	2 (1)	C*03:04	44(57)	C*07:06	38(22)
A*11:01	47(27)	<i>A*33:01</i>	3 (2)			B*44:03	48(28)	C*03:02	2 (1)	C*07:02	2 (1)
A*11	98(64)	A*33	98(64)			B*44	98(64)	<i>C*07:01</i>	2 (1)	C*07:01	3 (2)
A*02	1 (1)	<i>A*68</i>	2 (1)			B*49	2 (1)	C*03	98(63)	C*07	100(63)
								<i>C*07</i>	2 (1)		

DRB1				DRB3/4/5				DQA1			
60 labs High / 66 labs Low		% (n)		39 labs High / 38 labs Low		% (n)		46 labs High / 48 labs Low		% (n)	
DRB1*07:01:01	28(17)	DRB1*12:02:01	40(24)	DRB3*03:01:03	49(19)	DRB4*01:03:01	37(14)	DQA1*01:02:02:01	6 (3)	DQA1*02:01:01	42(19)
DRB1*07:01:01G	13(8)	DRB1*12:02P	10(6)	DRB3*03:01:01G	5 (2)	DRB4*01:01G	10(4)	DQA1*01:02:02	35(16)	DQA1*02:01:01G	4 (2)
DRB1*07:01P	15(9)	DRB1*12:02	48(29)	DRB3*03:01P	3 (1)	DRB4*01:0P	8 (3)	DQA1*01:02:01G	4 (2)	DQA1*02:01	53(24)
DRB1*07:01	42(25)	<i>DRB1*11:02</i>	2 (1)	DRB3*03:01	38(15)	DRB4*01:03	40(15)	DQA1*01:02P	6 (3)	DQA1*02	98(47)
<i>DRB1*04:05</i>	2 (1)	DRB1*12	98(65)	<i>DRB3*01:01</i>	5 (2)	DRB4*01:01	5 (2)	DQA1*01:02	46(21)	<i>DQA1*05</i>	2 (1)
DRB1*07	98(65)	<i>DRB1*11</i>	2 (1)	DRB3*03	68(26)	DRB4*01	71(27)	<i>DQA1*02:01</i>	2 (1)		
<i>DRB1*04</i>	2 (1)			<i>DRB3*02</i>	3 (1)	DRB4*PRESENT	29(11)	DQA1*01	98(47)		
				DRB3*PRESENT	29(11)			<i>DQA1*03</i>	2 (1)		

DQB1				DPA1				DPB1			
60 labs High / 64 labs Low		% (n)		35 labs High / 32 labs Low		% (n)		53 labs High / 37 labs Low		% (n)	
DQB1*02:02:01	24(14)	DQB1*05:02:01	22(13)	DPA1*01:03:01	57(20)	DPA1*02:01:01	43(15)	DPB1*03:01:01	40(21)	DPB1*10:01:01	43(23)
DQB1*02:01:01G	15(9)	DQB1*05:02:01G	17(10)	DPA1*01:03:01G	6 (2)	DPA1*02:01:01G	14(5)	DPB1*03:01:01G	9 (5)	DBP1*10:01P	7 (4)
DQB1*02:01P	12(7)	DQB1*05:02P	15(9)	DPA1*01:03P	3 (1)	DPA1*02:01P	6 (2)	DPB1*03:01P	9 (5)	DPB1*10:01	47(25)
<i>DQB1*03:01P</i>	2 (1)	<i>DQB1*03:02P</i>	2 (1)	DPA1*01:03	34(12)	DPA1*02:01	37(13)	<i>DPB1*04:01P</i>	2 (1)	<i>DPB1*104:01</i>	2 (1)
DQB1*02:02	47(28)	DQB1*05:02	45(27)	DPA1*01	100(32)	DPA1*02	97(31)	DPB1*03:01	40(21)	DPB1*10	97(36)
DQB1*02	98(63)	DQB1*05	98(63)			<i>DPA1*01</i>	3 (1)	DPB1*03	97(36)	<i>DPB1*104</i>	3 (1)
<i>DQB1*03</i>	2 (1)	<i>DQB1*03</i>	2 (1)					DPB1*04(DP401)	3 (1)		

Discrepant results from consensus are italicized in Tables 1-6

Table 7. Individual laboratory results for DNA # 1017 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	26:01:01	07:02:02	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:01:01G	05:01	01:03:01	02:01:01	02:01:02	11:01:01
16	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:01:01G	05:01	01:03:01	02:01:01	02:01:02	11:01:01
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01P	4*01:01:01	NP	01:01:01	02:01:01	02:02	05:01:01	NT	NT	02:01:02	11:01:01
138	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
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	02:01:01	26:01:01:01	07:02:01	38:01:01	07:02:01	12:03:01:01	01:03:01	07:01P	4*01:01:01:01	NP	01:01:01	02:01:01	02:01P	05:01:01	01:03:01	02:01:01:01	02:01:02	11:01:01
185	02:01:01G	26:01:01G	07:02:01G	38:01:01G	07:02:01G	12:03:01G	01:03P	07:01P	4*01:01P	NP	01:01:01G	02:01:01G	02:01P	05:01P	NT	NT	02:01:02G	11:01:01G
189	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
190	02:01:01	26:01:01:01	07:02:01	38:01:01	07:02:01	12:03:01:01	01:03:01	07:01P	NT	NT	NT	NT	02:01P	05:01:01	NT	NT	02:01:02	11:01:01
192	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01	4*01:01:01	NP	01:01:01	02:01:01	02:02	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
213	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	01:01	02:01	02:02	05:01	NT	NT	02:01	11:01
240	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01P	NT	NT	01:01P	02:01	02:01P	05:01	NT	NT	02:01	11:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
264	02:01:01G	26:01:01G	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01G	02:01:02	11:01:01
274	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
278	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NT	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
279	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	NT	NT	02:01	11:01
282	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	NT	NT	01:01:01	02:01:01	NT	NT	01:03:01	02:01:01	02:01:02	11:01:01
294	02:01P	NT	NT	NT	07:02P	NT	01:03P	07:01P	NT	NT	01:01	02:01	NT	NT	NT	NT	NT	NT
298	02:01:01:01	26:01:01:01	07:02:01:01	38:01:01:01	07:02:01:03	12:03:01:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
307	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	01:01	02:01	02:02	05:01	NT	NT	NT	NT
316	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
323	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT
403	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01G	NT	NT	NT	NT	02:01:01G	05:01:01	NT	NT	02:01:02	11:01:01
519	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
702	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NT	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
726	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
805	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01:01G	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
1189	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01:01G	4*01:01	NP	01:01	02:01	02:01:01G	05:01:01G	01:03:01G	02:01	02:01:02G	11:01
2549	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
3325	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
3410	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	02:01	11:01
3438	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	NT	NT	NT	NT	02:02:01	05:01:01	NT	NT	NT	NT
3582	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
3614	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
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
5451	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01	01:03:01	02:01:01	02:01P	11:01P
6051	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02	05:01	01:03:01	02:01:01	02:01:02	11:01:01
45452	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:01:01G	05:01	01:03	02:01	02:01	11:01

Final Consensus based on High Resolution	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
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Table 8. Individual laboratory results for DNA # 1017 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	26:01:01G	07:02:01G	38:01:01G	07:02:01G	12:03:01G	01:03P	07:01:01G	NT	NT	01:01:01G	02:01:01G	02:01:01G	05:01:01G	01:03:01G	02:01:01G	02:01:02G	11:01
151	02:01:01G	26:01:01G	07:02:01G	38:01:01G	07:02:01G	12:03:01G	01:03	07:01:01G	NT	NT	NT	NT	02:01:01G	05:01:01G	NT	NT	02:01:02G	11:01:01G
162	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	01:03	07:01	NT	NT	01:01	02:01	02:02	05:01	NT	NT	02:01	11:01
176	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	01:01	02:01	02:02	05:01	NT	NT	02:01	11:01
193	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT
207	02:01:01	26:01:01	07:02:01	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01:01	NP	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
209	02:01:01G	26:01:01G	07:02:01G	38:01:01G	07:02:01G	12:03:01G	01:03P	07:01P	4*01:01:01G	NP	01:01:01G	02:01:01G	02:01:01G	05:01:01G	NT	NT	02:01:02G	11:01:01G
218	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	02:01	11:01
238	02:01P	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	4*01:01	01:01	02:01	02:02	05:01	NT	NT	02:01	11:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	02:01	02:02	05:01	NT	NT	NT	NT
262	02:01	NT	NT	NT	NT	NT	01:03	07:01	NT	NT	01:01	02:01	02:02	05:01	NT	NT	NT	NT
267	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
273	02:01P	26:01P	07:02P	38:01P	07:02P	12:03P	01:03P	07:01P	4*01:01	NP	01:01P	02:01	02:01P	05:01P	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT
292	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	NT	NT
317	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01
331	02:01:01:01	26:01:01:01	07:02:01:01	38:01:01	07:02:01:03	12:03:01:01	01:03:01	07:01:01	4*01:01:01:01	NT	01:01:01	02:01:01	02:02:01	05:01:01	01:03:01	02:01:01	02:01:02	11:01:01
402	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	NT	NT	02:02	05:01	NT	NT	02:01	11:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	11:01
2015	02:01P	26:01P	07:02P	38:01P	07:02P	12:03P	01:03:01	07:01P	NT	NT	NT	NT	02:01P	05:01P	NT	NT	02:01P	11:01P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	11:01P
3625	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	NT	NT	01:01	02:01	02:02	05:01	NT	NT	02:01	11:01
3849	NT	NT	NT	NT	07:02	12:03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01:02G	11:01:01G
4237	02:01P	26:01P	07:02P	38:01:01	07:02:01	12:03:01	01:03:01	07:01:01	4*01:01	NP	01:01	02:01	02:02	05:01P	01:03P	02:01P	02:01P	11:01P
4420	02:01	26:01	07:02	NT	NT	NT	01:03	07:01	NT	NT	01:01	02:01	NT	05:01	02:01	03:01	02:01	11:01
Final Consensus	02:01	26:01	07:02	38:01	07:02	12:03	01:03	07:01	4*01:01	NP	01:01	02:01	02:02	05:01	01:03	02:01	02:01	11:01

Table 9. Individual laboratory results for DNA # 1017 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
	FTA	FTA	FTA	FTA	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
124	FTA	FTA	FTA	FTA	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
139	02	26	07	38	07	12	01(DR103)	07	NT	NT	01	02	02	05	NT	NT	02(DP201)	11
144	02	26	07	38	07	12	01(DR103)	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
147	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
148	02	26	07	38	07	12	01	07	NT	NT	NT	NT	02	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	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
162	02	26	07	38	07	12	01	07	NT	NT	NT	NT	02	05	NT	NT	NT	NT
173	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
189	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	NT	NT
190	02	26	07	38	07	12	01	07	4*PRESENT	NP	NT	NT	02	05	NT	NT	NT	NT
192	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
195	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
199	NT	NT	NT	NT	NT	NT	01	07	4*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
205	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
207	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	02	02	05	NT	NT	NT	NT
213	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
228	02	26	07	38	07	12	01	07	4*PRESENT	NP	NT	NT	02	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	02	02	05	NT	NT	NT	NT
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
245	02	26	07	38	07	12	01(DR103)	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
252	02	26	07	38	07	12	01	07	4*PRESENT	NT	01	02	02	05	NT	NT	NT	NT
255	02	26	07	38	NT	NT	01(DR103)	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	26	07	38	07	12	01	07	4*PRESENT	NP	NT	NT	02	05	NT	NT	NT	NT
262	02	26	07	38	07	12	01	07	4*PRESENT	NP	01	02	02	05	NT	NT	NT	NT
265	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
266	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
267	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
273	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	NT	NT	NT	NT
274	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
278	02	26	07	38	07	12	01	07	4*01	NT	01	02	02	05	01	02	02(DP201)	11
279	02	26	07	38	07	12	01	07	NT	NT	NT	NT	02	05	NT	NT	NT	NT
280	02	26	07	38	07	12	01(DR103)	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
282	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
285	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
286	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
288	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
290	02	26	07	38	NT	NT	01	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
294	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	NT	NT	NT	NT
300	02	26	07	38	07	12	01	07	NT	NT	NT	NT	02	05	NT	NT	NT	NT
305	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
307	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	NT	NT	02(DP201)	11
328	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
329	02	26	07	38	07	12	01(DR103)	07	4*PRESENT	NP	NT	NT	02	05	NT	NT	NT	NT
336	02	26	07	38	07	12	01	07	4*PRESENT	NP	NT	NT	02	05	NT	NT	NT	NT

Table 9. Individual laboratory results for DNA # 1017 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
337	02	26	07	38	07	12	01(DR103)	07	4*PRESENT	NP	01	02	02	05	01	02	02(DP201)	11
339	02	26	07	38	07	12	01	07	4*PRESENT	NP	NT	NT	02	05	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
702	02	26	07	38	07	12	01(DR103)	07	4*01	NT	01	02	02	05	01	02	02(DP201)	11
714	02	26	07	38	07	12	01(DR103)	07	NT	NT	NT	NT	02	05	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
805	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	NT	NT
1251	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
1647	02	26	07	38	07	12	01	07	4*PRESENT	NP	01	02	02	05	01	02	02(DP201)	11
2063	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
2347	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
3438	02	26	07	38	07	12	01	07	NT	NT	NT	NT	02	05	NT	NT	NT	NT
3600	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	NT	NT
3625	02	26	07	38	07	12	01(DR103)	07	4*01	NT	01	02	02	05	01	02	02(DP201)	11
3849	02	26	07	38	07	12	01(DR103)	07	NT	NT	NT	NT	02	05	NT	NT	02(DP201)	11
4237	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	01	02	02(DP201)	11
4420	02	26	07	38	07	NT	01	07	4*01	4*01	01	02	02	05	03	02	02(DP201)	11
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
4585	02	26	07	38	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
8050	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
9221	02	26	07	38	07	12	01(DR103)	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11
9222	02	26	NT	NT	07	12	01	07	NT	NT	01	02	02	05	NT	NT	NT	NT
Final Consensus	02	26	07	38	07	12	01	07	4*01	NP	01	02	02	05	01	02	02(DP201)	11

Table 10. Individual laboratory results for DNA # 1018 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02	13:02	3*03:01:01	NP	01:01:02	01:02:01	05:01:01G	05:02:01G	02:01:01	02:01:01	01:01:01	30:01
16	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01G	05:02:01G	02:01:01	02:01:01	01:01:01	30:01
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01P	NP	01:01:02	01:02:01	05:01P	05:02:01	NT	NT	01:01:01	30:01
138	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
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	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01:01	01:02:01	13:02:01	3*03:01P	NP	01:01:02	01:02:01	05:01P	05:02:01	02:01:01	02:01:01	01:01:01	30:01
185	02:01P	02:02	07:02:01G	45:01:01G	15:05:01G	16:01:01G	01:02P	13:02P	3*03:01P	NP	01:01:01G	01:02:01G	05:01P	05:02P	NT	NT	01:01:01G	30:01
189	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
190	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01:01	01:02:01	13:02:01	NT	NT	NT	NT	05:01P	05:02:01	NT	NT	01:01:01	30:01
192	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01	NP	01:01:02	01:02:01	05:01:01G	05:02:01	02:01:01	02:01:01	01:01:01	30:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
213	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	NT	NT	01:01	30:01
240	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	01:01P	01:02	05:01P	05:02	NT	NT	01:01	30:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	NT	NT	NT	NT	NT	NT
264	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01G	02:01:01G	01:01:01	30:01
274	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01P	30:01P
278	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NT	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
279	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	NT	NT	01:01	30:01
282	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
294	02:01P	02:02	NT	45:01P	NT	NT	01:02P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	02:01:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
307	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	01:01	01:02	05:01	05:02	NT	NT	NT	NT
316	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
323	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
403	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	NT	NT	NT	NT	05:01:01G	05:02:01	NT	NT	01:01:01	30:01
519	02:01:01	02:02:01	07:02:01	45:01:01G	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
702	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NT	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
726	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
805	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01:01G	05:02	02:01	02:01	01:01	30:01
1189	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	02:02:01G	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01:01G	NP	01:01	01:02:01G	05:01:01G	05:02	02:01:01G	02:01:01G	01:01:01G	30:01P
2549	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
3325	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
3410	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	30:01
3438	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	NT	NT	NT	NT	05:01:01	05:02:01	NT	NT	NT	NT
3582	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
3614	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
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
5451	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01	01:02:01	05:01P	05:02P	02:01:01	02:01:01	01:01:01	30:01
6051	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01G	05:02:01G	02:01:01	02:01:01	01:01:01	30:01
45452	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01

Final Consensus based on High Resolution	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01
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Table 11. Individual laboratory results for DNA # 1018 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	02:02:01G	07:02:01G	45:01:01G	15:05:01G	16:01:01G	01:02P	13:02:01G	NT	NT	01:01:01G	01:02:01G	05:01:01G	05:02:01G	02:01:01G	02:01:01G	01:01:01G	30:01
151	02:01:01G	02:02:01G	07:02:01G	45:01:01G	15:05:01G	16:01:01G	01:02	13:02	NT	NT	NT	NT	05:01:01G	05:02:01G	NT	NT	01:01	30:01
162	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	01:02	13:02	NT	NT	01:01	01:02	05:01	05:02	NT	NT	01:01	30:01
176	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	01:01	01:02	05:01	05:02	NT	NT	01:01	30:01
193	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
207	02:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01	01:02:01	13:02:01	3*03:01:01	NP	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
209	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01:01G	NP	01:01:01G	01:02:01G	05:01	05:02	NT	NT	01:01P	30:01P
218	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	30:01
238	02:01P	02:02	07:02	45:01	15:02	16:01	01:02	13:02	3*03:01	3*03:01	01:01	01:02	05:01	05:02	NT	NT	01:01	30:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	05:01	05:02	NT	NT	NT	NT
262	02:01	02:02	NT	NT	NT	NT	01:02	13:02	NT	NT	01:01	01:02	05:01	05:02	NT	NT	NT	NT
267	02:01	02:05	07:02	45:01	15:02	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:01	02:01	02:01	01:01	30:01
273	02:01P	02:02	07:02P	45:01P	15:05P	16:01P	01:02P	13:02P	3*03:01	NP	01:01P	01:02P	05:01P	05:02P	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
292	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	NT	NT	NT	NT	NT	NT
313	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
317	02:01	02:02	07:02	45:01	15:02	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:01	02:01	02:01	01:01	30:01
331	02:01:01:01	02:02:01	07:02:01	45:01:01	15:05:02	16:01:01:01	01:02:01	13:02:01	3*03:01:01	NT	01:01:02	01:02:01	05:01:01	05:02:01	02:01:01	02:01:01	01:01:01	30:01
402	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	30:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	30:01
2015	02:01P	02:02:01	07:02P	45:01P	15:05P	16:01P	01:02P	13:02P	NT	NT	NT	NT	05:01P	05:02P	NT	NT	01:01P	30:01P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	30:01P
3625	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	NT	NT	01:01	01:02	05:01	05:02	NT	NT	01:01	30:01
3849	NT	NT	NT	NT	15:05	16:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01:01G	30:01
4237	02:01P	02:02	07:02P	45:01P	15:05:02	16:01:01	01:02P	13:02:01	3*03:01	NP	01:01	01:02	05:01P	05:02P	02:01P	02:01P	01:01P	30:01
4420	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	3*03:01	01:01	NT	05:01	05:02	02:01	02:01	01:01	30:01
Final Consensus	02:01	02:02	07:02	45:01	15:05	16:01	01:02	13:02	3*03:01	NP	01:01	01:02	05:01	05:02	02:01	02:01	01:01	30:01

Table 12. Individual laboratory results for DNA # 1018 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
139	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	01	30
144	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
147	02	02	07	45	15	16	01	13	3*02	NP	01	01	05	05	02	02	01	30
148	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	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	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
162	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	NT	NT
173	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
189	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	NT	NT
190	02	02	07	45	15	16	01	13	3*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
192	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
195	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
199	NT	NT	NT	NT	NT	NT	09	13	3*PRESENT	3*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
207	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	05	NT	NT	NT	NT
213	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
228	02	02	07	45	15	16	01	13	3*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	05	NT	NT	NT	NT
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
242	02	NT	07	45	15	16	01	13	3*PRESENT	NP	01	01	05	NT	NT	NT	NT	NT
244	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
245	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
252	02	02	07	45	12	15	01	13	3*PRESENT	NT	01	01	05	05	NT	NT	NT	NT
255	02	02	07	45	NT	NT	01	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	02	07	45	15	16	01	13	3*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
262	02	02	07	45	15	16	01	13	3*PRESENT	NP	01	01	05	05	NT	NT	NT	NT
265	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
266	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
267	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
273	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	NT	NT	NT	NT
274	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
278	02	02	07	45	15	16	01	13	3*03	NT	01	01	05	05	02	02	01	30
279	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	NT	NT
280	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
282	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
285	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
286	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
288	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
290	02	02	07	45	NT	NT	01	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
294	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	NT	NT	NT	NT
300	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	NT	NT
305	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
307	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
311	02	02	07	45	15	16	01	13	3*PRESENT	NT	01	01	05	05	NT	NT	NT	NT
323	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	NT	NT
328	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
329	02	NT	07	45	15	16	01	13	3*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
336	02	02	07	45	15	16	01	13	3*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT

Table 12. Individual laboratory results for DNA # 1018 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
337	02	02	07	45	15	16	01	13	3*PRESENT	NP	01	01	05	05	02	02	01	30
339	02	02	07	45	15	16	01	13	3*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
702	02	02	07	45	15	16	01	13	3*03	NT	01	01	05	05	02	02	01	30
714	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
805	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	NT	NT
1251	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
1647	02	02	07	45	15	16	01	13	3*PRESENT	NP	01	01	05	05	02	02	01	30
2063	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
2347	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
3438	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	NT	NT
3600	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	NT	NT
3625	02	02	07	45	15	16	01	13	3*03	NT	01	01	05	05	02	02	01	30
3849	02	02	07	45	15	16	01	13	NT	NT	NT	NT	05	05	NT	NT	01	30
4237	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	02	02	01	30
4420	02	02	07	45	15	16	01	13	3*03	3*03	01	01	05	05	02	02	01	30
4551	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
4585	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
8050	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
9221	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30
9222	02	02	07	45	15	16	01	13	NT	NT	01	01	05	05	NT	NT	NT	NT
Final Consensus	02	02	07	45	15	16	01	13	3*03	NP	01	01	05	05	02	02	01	30

Table 13. Individual laboratory results for DNA # 1019 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
16	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
124	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01	06:02	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	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
147	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	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	03:01:01:01	03:01:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01P	5*01:01P	NP	01:01:01	01:02:01	05:01:01	06:02	01:03P	01:03P	02:01:02	04:01:01
185	03:01:01G	03:01:01G	07:02:01G	07:02:01G	07:02:01G	07:02:01G	01:03P	15:01P	5*01:01P	NP	01:01:01G	01:02:01G	05:01P	06:02P	NT	NT	02:01:02G	04:01:01G
189	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
190	03:01:01:01	03:01:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01P	NT	NT	NT	NT	05:01:01	06:02	NT	NT	02:01:02	04:01:01
192	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01	5*01:01:01G	NP	01:01:01	01:02:01	05:01:01	06:02	01:03	01:03:01G	02:01:02	04:01:01
195	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
205	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
213	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
240	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01P	NT	NT	01:01P	01:02	05:01	06:02	NT	NT	02:01	04:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
264	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
274	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01P	04:01P
278	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NT	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
279	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
282	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
294	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
298	03:01:01:01	03:01:01:01	07:02:01:01	07:02:01:01	07:02:01:01	07:02:01:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
307	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	NT	NT
316	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
323	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
403	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01G	NT	NT	NT	NT	05:01:01	06:02	NT	NT	02:01:02	04:01:01
519	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
702	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NT	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
1189	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
2063	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
2518	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01:01G	5*01:01:01G	NP	01:01:01G	01:02	05:01:01G	06:02	01:03	01:03:01G	02:01	04:01
2549	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
3325	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
3410	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	02:01	04:01
3438	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	NT	NT	NT	NT	05:01:01	06:02:01	NT	NT	NT	NT
3582	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
3614	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	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
5451	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
6051	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	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	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
45452	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01

Final Consensus based on High Resolution	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
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Table 14. Individual laboratory results for DNA # 1019 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	03:01:01G	03:01:01G	07:02:01G	07:02:01G	07:02:01G	07:02:01G	01:03P	15:01:01G	NT	NT	01:01:01G	01:02:01G	05:01:01G	06:02:01G	01:03:01G	01:03:01G	02:01:02G	04:01:01G
151	03:01:01G	03:01:01G	07:02:01G	07:02:01G	07:02:01G	07:02:01G	01:03	15:01:01G	NT	NT	NT	NT	05:01:01G	06:02:01G	NT	NT	02:01:02G	04:01:01G
162	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
176	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
193	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
207	03:01:01	03:01:01	07:02:01	07:02:01	07:02:01	07:02:01	01:03:01	15:01:01	5*01:01:01	NP	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
218	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	02:01	04:01
238	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	5*01:01	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	05:01	06:19	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	NT	NT
267	03:01	03:01	07:02	07:02	07:01	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
273	03:01P	03:01P	07:02P	07:02P	07:02P	07:02P	01:03P	15:01P	5*01:01	NP	01:01P	01:02P	05:01P	06:02P	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
292	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
317	03:01	03:01	07:02	07:02	07:01	07:02	01:03	15:01	5*01:01	5*01:01	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01
331	03:01:01:01	03:01:01:01	07:02:01:01	07:02:01:01	07:02:01:03	07:02:01:03	01:03:01	15:01:01	5*01:01:01	NT	01:01:01	01:02:01	05:01:01	06:02:01	01:03:01	01:03:01	02:01:02	04:01:01
402	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	NT	NT	05:01	06:02	NT	NT	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
2015	03:01P	03:01P	07:02P	07:02P	07:02P	07:02P	01:03:01	15:01P	NT	NT	NT	NT	05:01P	06:02P	NT	NT	02:01P	04:01P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	NT	NT	01:01	01:02	05:01	06:02	NT	NT	02:01	04:01
3849	NT	NT	NT	NT	07:02	07:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01:02G	04:01:01G
4237	03:01P	03:01P	07:02P	07:02P	07:02:01	07:02:01	01:03:01	15:01	5*01:01	NP	01:01	01:02	05:01P	06:02P	01:03P	01:03P	02:01P	04:01P
4420	03:01	03:01	07:02	07:02	07:02	07:02	01:03	NT	5*01:01	5*01:01	01:01	NT	05:01	NT	01:03	01:03	02:01	NT
Final Consensus	03:01	03:01	07:02	07:02	07:02	07:02	01:03	15:01	5*01:01	NP	01:01	01:02	05:01	06:02	01:03	01:03	02:01	04:01

Table 15. Individual laboratory results for DNA # 1019 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	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
139	03	NT	07	NT	07	NT	01(DR103)	15	NT	NT	01	01	05	06	NT	NT	02(DP201)	04(DP401)
144	03	03	07	07	07	07	01(DR103)	15	NT	NT	01	01	05	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	03	03	07	07	07	07	01	15	NT	NT	NT	NT	05	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	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
162	03	03	07	07	07	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
173	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
189	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	NT	NT
190	03	03	07	07	07	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT
192	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
195	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
199	NT	NT	NT	NT	NT	NT	01	15	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
207	NT	NT	NT	NT	07	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	03	03	07	07	07	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT
213	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	02(DP201)	04(DP401)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
228	03	03	07	07	07	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	05	06	NT	NT	NT	NT
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
245	03	03	07	07	07	07	01(DR103)	15	NT	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
252	03	03	07	07	07	07	01	15	5*PRESENT	NT	01	01	05	06	NT	NT	NT	NT
255	03	03	07	07	NT	NT	01(DR103)	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	03	03	07	07	07	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT
262	03	03	07	07	07	07	01	15	5*PRESENT	NP	01	01	05	06	NT	NT	NT	NT
265	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
266	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
267	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
273	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	NT	NT	NT	NT
274	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
278	03	03	07	07	07	07	01	15	5*01	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
279	03	03	07	07	07	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
280	03	03	07	07	07	07	01(DR103)	15	NT	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
282	03	03	07	07	07	07	01	15	NT	NT	01	01	05	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	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
288	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
290	03	03	07	07	NT	NT	01	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
294	03	03	07	07	07	07	01	15	5*01	NP	NT	NT	05	06	NT	NT	NT	NT
300	03	03	07	07	07	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
305	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
307	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	03	03	07	07	07	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
328	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
329	03	NT	07	NT	07	NT	01(DR103)	15	5*PRESENT	NT	NT	NT	06	06	NT	NT	NT	NT
336	03	03	07	07	07	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT

Table 15. Individual laboratory results for DNA # 1019 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
337	03	03	07	07	07	07	01(DR103)	15	5*PRESENT	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
339	03	03	07	07	07	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
702	03	03	07	07	07	07	01	15	5*01	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
714	03	03	07	07	07	07	01(DR103)	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
726	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
732	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
805	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	NT	NT
1251	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
1647	03	03	07	07	07	07	01	15	5*PRESENT	NP	01	01	05	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
2347	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
3438	03	03	07	07	07	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
3600	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	NT	NT
3625	03	03	07	07	07	07	01(DR103)	15	5*01	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
3849	03	03	07	07	07	07	01(DR103)	15	NT	NT	NT	NT	05	06	NT	NT	02(DP201)	04(DP401)
4237	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	01	01	02(DP201)	04(DP401)
4420	03	03	07	07	07	07	01(DR103)	15	5*01	5*01	01	01	05	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	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
4585	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
8050	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
9221	03	03	07	07	07	07	01(DR103)	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)
9222	03	03	07	07	07	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
Final Consensus	03	03	07	07	07	07	01	15	5*01	NP	01	01	05	06	01	01	02(DP201)	04(DP401)

Table 16. Individual laboratory results for DNA # 1020 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01G	05:01	01:03:01	02:01:02	01:01:01	04:01:01
16	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01G	05:01	01:03:01	02:01:02	01:01:01	04:01:01
124	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01	05:01:01	01:03:01	02:01:02	01:01:01	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	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
147	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
148	02:01:01G	66:01:01:01	15:01:01G	38:01:01G	03:04:01G	12:03:01:01	01:01:01G	11:01:01G	NT	NT	NT	NT	03:01:01G	05:01:01G	NT	NT	01:01:01G	04:01:01G
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
160	02:01:01	66:01:01:01	15:01:01:01	38:01:01	03:04:01	12:03:01:01	01:01P	11:01	3*02:02:01	NP	01:01:01	05:05:01	03:01P	05:01:01	01:03P	02:01:02:02	01:01:01	04:01:01
185	NT	NT	15:01:01G	38:01:01G	03:04:01G	12:03:01G	01:01P	11:01P	3*02:02P	NP	01:01:01G	05:01:01G	03:01P	05:01P	NT	NT	01:01:01G	04:01:01G
189	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
190	02:01:01	66:01:01:01	15:01:01:01	38:01:01	03:04:01	12:03:01:01	01:01P	11:01	NT	NT	NT	NT	03:01P	05:01:01	NT	NT	01:01:01	04:01:01
192	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01G	05:01:01	01:03:01G	02:01:02	01:01:01	04:01:01
195	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01P	05:01	01:03	02:01	01:01	04:01
205	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
213	02:01P	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
240	02:01	66:01	15:01	38:01	03:04	12:03	01:01P	11:01	NT	NT	01:01P	05:01P	03:01P	05:01	NT	NT	01:01	04:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
264	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01G	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
274	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01P	05:01	01:03	02:01	01:01P	04:01P
278	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NT	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
279	02:01	66:01	15:01	38:01	03:04	12:03	01:01P	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
282	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
294	02:01P	66:01	15:01	38:01	03:04	12:03	01:01P	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
298	02:01:01:01	66:01:01:01	15:01:01:01	38:01:01:01	03:04:01:01	12:03:01:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01:03	05:01:01:03	01:03:01	02:01:02:02	01:01:01	04:01:01
307	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	NT	NT
316	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
403	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01G	11:01	NT	NT	NT	NT	03:01:01G	05:01:01	NT	NT	01:01:01	04:01:01
519	02:01:01	66:01:01	15:01:01G	38:01:01	03:04:01	12:03:01	01:01:01G	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
702	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NT	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
1189	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
2063	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
2518	02:01	66:01	15:01	38:01	03:04	12:03	01:01:01G	11:01	3*02:02:01G	NP	01:01	05:01:01G	03:01:01G	05:01:01G	01:03:01G	02:01	01:01	04:01
2549	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
3325	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
3410	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	NT	NT	03:01	05:01	NT	NT	01:01	04:01
3438	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	NT	NT	NT	NT	03:01:01	05:01:01	NT	NT	NT	NT
3582	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
3614	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	02:01P	66:01P	15:01P	38:01P	03:04P	12:03P	01:01P	11:01P	3*02:02:01:01	NP	01:01P	05:01P	03:01P	05:01P	NT	NT	01:01P	04:01P
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01P	05:01	01:03:01	02:01:02	01:01:01	04:01:01
6051	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	24:02:01	24:02:01	07:02:01	07:02:01	07:02:01	07:02:01	04:01:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:03:01	03:01:01G	06:02:01	01:03:01	01:03:01	04:01:01	04:01:01
45452	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01:01G	05:01	01:03	02:01	01:01	04:01

Final Consensus based on High Resolution	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
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Table 17. Individual laboratory results for DNA # 1020 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	66:01:01G	15:01:01G	38:01:01G	03:04:01G	12:03:01G	01:01:01G	11:01:01G	NT	NT	01:01:01G	05:05	03:01:01G	05:01:01G	01:03:01G	02:01	01:01:01G	04:01:01G
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	01:01	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
176	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
193	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
207	02:01:01	66:01:01	15:01:01	38:01:01	03:04:01	12:03:01	01:01:01	11:01:01	3*02:02:01	NP	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02	01:01:01	04:01:01
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
218	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	NT	NT	03:01	05:01			01:01	04:01
238	02:01P	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	3*02:02	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	05:05	03:01	05:01	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	66:01	15:01	38:01	03:03	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
273	02:01P	66:01P	15:01P	38:01P	03:04P	12:03P	01:01P	11:01P	3*02:02	NP	01:01P	05:01P	03:01P	05:01P	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	01:01	11:01	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
292	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT
317	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01
331	02:01:01:01	66:01:01:01	15:01:01:01	38:01:01	03:04:01:01	12:03:01:01	01:01:01	11:01:01	3*02:02:01	NT	01:01:01	05:05:01	03:01:01	05:01:01	01:03:01	02:01:02:02	01:01:01	04:01:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	04:01
2015	02:01P	66:01P	15:01P	38:01P	03:04P	12:03P	01:01P	11:01P	NT	NT	NT	NT	03:01P	05:01P	NT	NT	01:01P	04:01P
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	04:01P
3625	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	NT	NT	01:01	05:05	03:01	05:01	NT	NT	01:01	04:01
3849	NT	66:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01:01G	04:01:01G
4237	02:01P	66:01:01	15:01P	38:01:01	03:04:01	12:03:01	01:01P	11:01	3*02:02	NP	01:01	05:05	03:01P	05:01P	01:03P	02:01	01:01P	04:01
4420	02:01	66:01	15:01	NT	NT	NT	01:01	11:01	3*02:02	3*02:02	01:01	05:05	NT	05:01	01:03	02:01	01:01	NT
Final Consensus	02:01	66:01	15:01	38:01	03:04	12:03	01:01	11:01	3*02:02	NP	01:01	05:05	03:01	05:01	01:03	02:01	01:01	04:01

Table 18. Individual laboratory results for DNA # 1020 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	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02	68	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
139	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	01	04(DP401)
144	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	01	02	01	04(DP401)
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	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	01	04(DP401)
158	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
162	02	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	01	NT
173	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	01	02	01	04(DP401)
189	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	NT	NT
190	02	66	15	38	03	12	01	11	3*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
192	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
195	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
199	NT	NT	NT	NT	NT	NT	01	11	3*PRESENT	3*PRESENT	NT	NT	06	05	NT	NT	NT	NT
205	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
207	NT	NT	NT	NT	NT	NT	01	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	02	66	15	38	03	12	01	11	3*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
213	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	01	04(DP401)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
228	02	66	15	38	03	12	01	11	3*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	05	03	05	NT	NT	NT	NT
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
245	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	01	02	01	04(DP401)
252	02	66	15	38	03	12	01	11	3*PRESENT	NT	01	05	03	05	NT	NT	NT	NT
255	02	66	15	38	NT	NT	01	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	66	15	38	03	12	01	11	3*PRESENT	NP	NT	NT	03	05	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	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
266	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	01	02	01	04(DP401)
267	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
273	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	NT	NT	NT	NT
274	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
278	02	66	15	38	03	12	01	11	3*02	NT	01	05	03	05	01	02	01	04(DP401)
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	01	02	01	04(DP401)
282	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	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	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
288	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
290	02	66	15	38	NT	NT	01	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
294	02	66	15	38	03	12	01	11	3*02	NP	NT	NT	03	05	NT	NT	NT	NT
300	02	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	NT	NT
305	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
307	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	02	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	NT	NT
328	NT	NT	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
329	02	66	15	38	03	12	01	11	3*PRESENT	NT	NT	NT	03	05	NT	NT	NT	NT
336	02	66	15	38	03	12	01	11	3*PRESENT	NP	NT	NT	03	05	NT	NT	NT	NT

Table 18. Individual laboratory results for DNA # 1020 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
337	02	66	15	38	03	12	01	11	3*PRESENT	NP	01	05	03	05	01	02	01	04(DP401)
339	02	66	15	38	03	12	01	11	3*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
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
702	02	66	15	38	03	12	01	11	3*02	NT	01	05	03	05	01	02	01	04(DP401)
714	02	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	NT	NT
726	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
732	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
805	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	NT	NT
1251	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
1647	02	66	15	38	03	12	01	11	3*PRESENT	NP	01	05	03	05	01	02	01	04(DP401)
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
3438	02	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	NT	NT
3600	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	NT	NT
3625	02	66	15	38	03	12	01	11	3*02	NT	01	05	03	05	01	02	01	04(DP401)
3849	02	66	15	38	03	12	01	11	NT	NT	NT	NT	03	05	NT	NT	01	04(DP401)
4237	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	01	02	01	04(DP401)
4420	02	66	15	38	03	NT	01	11	3*02	3*02	01	05	03	05	01	02	01	NT
4551	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	NT	NT	01	04(DP401)
4582	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
4585	02	66	15	38	03	12	01	11	NT	NT	01	05	03	05	NT	NT	NT	NT
8050	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
9221	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02	66	15	38	03	12	01	11	3*02	NP	01	05	03	05	01	02	01	04(DP401)

Table 19. Individual laboratory results for DNA # 1021 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01G	68:01:02G	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01G	03:02:01G	01:03:01	01:03:01	03:01:01G	04:01:01G
16	02:01:01G	68:01:02G	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01G	03:02:01G	01:03:01	01:03:01	03:01:01G	04:01:01G
124	02:01:01	68:01:02	07:02:01:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02	4*01:03	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01	04:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	03:01P	04:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02:01:01G	68:01:02:02	07:02:01G	49:01:01	07:01:01G	07:02:01G	04:05:01	11:02:01	NT	NT	NT	NT	03:01:01G	03:02:01G	NT	NT	104:01	04:01:01G
158	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01G	4*01:01:01G	03:03:01	05:05:01	03:01:01G	03:02:01G	01:03:01G	01:03:01G	104:01:01	04:01:01
160	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02	3*02:02P	4*01:01P	03:03:01	05:05:01	03:01P	03:02P	01:03P	01:03P	104:01:01	04:01:01
185	02:01:01G	68:01:02G	07:02:01G	49:01:01G	07:01P	07:02P	04:05P	11:02P	3*02:02P	4*01:01P	03:01:01G	05:01:01G	03:01P	03:02P	NT	NT	03:01:01G	04:01:01G
189	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	104:01	04:01:01G
190	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	NT	NT	NT	NT	03:01P	03:02P	NT	NT	104:01:01	04:01:01
192	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01G	4*01:01:01G	03:03:01	05:05:01	03:01:01G	03:02:01G	01:03:01G	01:03:01G	104:01:01	04:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
213	02:01P	68:01P	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	03:03	05:05	03:01	03:02	NT	NT	104:01	04:01
240	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	03:01P	05:01P	03:01P	03:02P	NT	NT	104:01	04:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:03	05:05	NT	NT	NT	NT	NT	NT
264	02:01:01G	68:01:02G	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
274	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01P	03:02P	01:03	01:03	03:01P	04:01P
278	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	03:01	04:01
279	02:01P	68:01P	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	03:03	05:05	03:01	03:02	NT	NT	104:01	04:01
282	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	02:01:01	68:01:02	07:02:01:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
307	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	03:03	05:05	03:01	03:02	NT	NT	NT	NT
316	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	03:01P	04:01
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
403	02:01:01G	68:01:02G	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	NT	NT	NT	NT	03:01:01G	03:02:01G	NT	NT	03:01:01G	04:01:01G
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	104:01	04:01
1189	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	104:01	04:01
2063	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
2518	02:01	68:01:02G	07:02	49:01:01G	07:01	07:02	04:05	11:02	3*02:02:01G	4*01:01:01G	03:01:01G	05:01:01G	03:01:01G	03:02:01G	01:03:01G	01:03:01G	03:01:01G	04:01
2549	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	03:01:01G	04:01:01G
3325	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	03:01P	04:01P
3410	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	104:01	04:01
3438	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	NT	NT	NT	NT	03:01:01	03:02:01	NT	NT	NT	NT
3582	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
3614	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	01:03	01:03	104:01	04:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	02:01P	68:01P	07:02P	49:01P	07:01P	07:02P	04:05P	11:02P	3*02:02:01:01	4*01:03	03:01P	05:01P	03:01P	03:02P	NT	NT	03:01P	04:01P
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01P	03:02P	01:03:01	01:03:01	03:01P	04:01P
6051	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	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	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01G	03:02:01G	01:03:01	01:03:01	03:01:01G	04:01:01G
45452	02:01:01G	68:01:02G	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01:01G	03:02:01G	01:03	01:03	03:01:01G	04:01:01G

Final Consensus based on High Resolution	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	NG	03:03	05:05	03:01	03:02	01:03	01:03	NG	04:01
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Table 20. Individual laboratory results for DNA # 1021 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	02:01:01G	68:01:02G	07:02:01G	49:01:01G	07:01:01G	07:02:01G	04:05P	11:02P	NT	NT	03:01:01G	05:05	03:01:01G	03:02:01G	01:03:01G	01:03:01G	03:01:01G	04:01:01G
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02:01	68:01	07:02	49:01	07:01:01G	07:02	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	04:05	11:02	NT	NT	03:03	05:05	03:01	03:02	NT	NT	03:01	04:01
176	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	03:03	05:05	03:01	03:02	NT	NT	03:01:01G	04:01:01G
193	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
207	02:01:01	68:01:02	07:02:01	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02:01	4*01:01P	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	03:01P	04:01P
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
218	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	104:01	04:01
238	02:01P	68:01	07:02	49:01	07:01P	07:02	04:05	11:02	3*02:02	4*01:03	03:03	05:05	03:01	03:02	NT	NT	03:01P	04:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:03	05:05	03:01	03:02	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	68:01	07:02	49:01	07:01	07:01	04:05	11:02	3*02:02	4*01:01	03:01	05:05	03:01	03:02	01:03	01:03	03:01	04:01
273	02:01P	68:01P	07:02P	49:01P	07:01P	07:02P	04:05P	11:02P	3*02:02	4*01:03	03:01P	05:01P	03:01P	03:02P	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
292	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:03	05:05	NT	NT	NT	NT	NT	NT
313	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
317	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:01	4*01:01	03:02	05:05	03:01	03:02	01:03	01:03	03:01	04:01
331	02:01:01	68:01:02	07:02:01:01	49:01:01	07:01:01	07:02:01:03	04:05:01	11:02:01	3*02:02:01	4*01:03:01	03:03:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	104:01:01	04:01:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	02:01:01G	68:01:02G	07:02:01G	49:01:01G	07:01:01G	07:02:01G	04:05:01	11:02:01	3*02:02:01G	4*01:03	NT	NT	03:01:01G	03:02:01G	NT	NT	03:01:01G	04:01:01G
2015	02:01P	68:01P	07:02P	49:01P	07:01P	07:02P	04:05P	11:02P	NT	NT	NT	NT	03:01P	03:02P	NT	NT	03:01P	04:01P
2347	11:01P	33:03P	27:06	44:03	03:04	07:06	07:01P	12:02	NT	NT	NT	NT	02:02	05:02P	NT	NT	03:01	10:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	104:01	04:01P
3625	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	NT	NT	03:03	05:05	03:01	03:02	NT	NT	03:01	04:01
3849	NT	NT	NT	49:01	07:01	07:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01:01G	04:01:01G
4237	02:01P	68:01P	07:02P	49:01:01	07:01:01	07:02:01	04:05:01	11:02:01	3*02:02	4*01:03	03:03	05:05	03:01P	03:02P	01:03P	01:03P	03:01P	04:01P
4420	02:01	NT	07:02	49:01	NT	07:02	04:05	11:02	3*02:02	NT	03:03	05:05	NT	03:02	01:03	01:03	NT	NT
Final Consensus	02:01	68:01	07:02	49:01	07:01	07:02	04:05	11:02	3*02:02	NG	03:03	05:05	03:01	03:02	01:03	01:03	NG	04:01

Table 21. Individual laboratory results for DNA # 1021 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	NT	NT	NT	NT	NT	NT	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
138	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
139	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	03	04(DP401)
144	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	01	01	03	04(DP401)
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	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	104	04(DP401)
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
173	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	01	01	03	04(DP401)
189	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	NT	NT
190	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
192	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
195	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
199	NT	NT	NT	NT	NT	NT	11	13	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
205	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	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
213	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	104	04(DP401)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
228	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	05	03	03	NT	NT	NT	NT
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
242	02	68	07	49	07	NT	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
244	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
245	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	01	01	03	04(DP401)
252	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
255	02	68	07	49	NT	NT	04	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	68	07	49	07	07	04	11	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	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
266	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	01	01	03	04(DP401)
267	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
273	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	NT	NT	NT	NT
274	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
278	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
279	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
280	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	01	01	03	04(DP401)
282	02	68	07	49	07	07	04	11	NT	NT	03	05	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	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
288	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
290	02	68	07	49	NT	NT	04	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
294	02	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	104	04(DP401)
300	02	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
305	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
307	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
311	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
323	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	NT	NT	104	04(DP401)
328	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
329	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
336	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT

Table 21. Individual laboratory results for DNA # 1021 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
337	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	01	01	104	04(DP401)
339	02	68	07	49	07	07	04	11	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
402	02	68	02	68	02	68	02	68	02	68	02	68	02	68	02	68	02	68
519	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
615	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
702	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
714	02	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
726	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
732	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
805	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	NT	NT
1251	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
1647	02	68	07	49	07	07	04	11	4*PRESENT	3*PRESENT	03	05	03	03	01	01	03	04(DP401)
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
3438	02	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
3600	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	NT	NT
3625	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
3849	02	68	07	49	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	03	04(DP401)
4237	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	01	01	03	04(DP401)
4420	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	NT	NT
4551	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	NT	NT	03	04(DP401)
4582	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
4585	02	68	07	49	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
8050	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	104	04(DP401)
9221	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	03	04(DP401)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	NG	04(DP401)

Table 22. Individual laboratory results for DNA # 1022 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:01:01G	05:02:01G	01:03:01	02:01:01	03:01:01	10:01:01
16	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:01:01G	05:02:01G	01:03:01	02:01:01	03:01:01	10:01:01
124	FTA	FTA	27:06	44:03:02:01	FTA	FTA	07:01:01	12:02:01	3*03:01:03	4*01:01:01G	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	11:01:01G	33:03:01G	27:06	44:03:02:01	03:04:01G	07:06:01:01	07:01:01G	12:02:01	NT	NT	NT	NT	02:02	05:02:01G	NT	NT	03:01:01G	10:01:01
158	11:01:01	33:03:01	27:06	44:03:02:01	03:04:01	07:06:01:01	07:01:01G	12:02:01	3*03:01:03	4*01:01:01G	01:02:02:01	02:01:01	02:01:01G	05:02:01G	01:03:01	02:01:01G	03:01:01	10:01:01
160	11:01:01	33:03:01	27:06	44:03:02:01	03:04:01	07:06:01:01	07:01P	12:02P	3*03:01:03	4*01:01P	01:02:02:01	02:01:01	02:01P	05:02P	01:03:01	02:01P	03:01:01	10:01:01
185	11:01:01G	33:03:01G	27:06	44:03:02G	03:04:01G	07:01:01G	07:01P	12:02P	3*03:01P	4*01:01P	01:02:01G	02:01:01G	02:01P	05:02P	NT	NT	03:01:01G	10:01:01
189	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
190	11:01:01	33:03:01	27:06	44:03:02:01	03:04:01	07:06:01:01	07:01P	12:02:01	NT	NT	NT	NT	02:01P	05:02P	NT	NT	03:01:01	10:01:01
192	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01G	12:02:01	3*03:01:03	4*01:01:01G	01:02:02	02:01:01	02:01:01G	05:02:01G	01:03:01	02:01:01G	03:01:01	10:01:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
213	11:01	33:03	27:06	44:03	03:04	07:06	07:01P	12:02	NT	NT	01:02	02:01	02:02	05:02	NT	NT	03:01	10:01
240	11:01	33:03	27:06	44:03	03:04	07:06	07:01P	12:02	NT	NT	01:02	02:01	02:01P	05:02P	NT	NT	03:01	10:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
264	11:01:01G	33:03:01G	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01G	03:01:01	10:01:01
274	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
278	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
279	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	01:02	02:01	02:02	05:02	NT	NT	03:01	10:01
282	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	11:01:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02:01	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
307	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	01:02	02:01	02:02	05:02	NT	NT	NT	NT
316	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
403	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01G	12:02:01	NT	NT	NT	NT	02:01:01G	05:02:01G	NT	NT	03:01:01	10:01:01
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
702	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	11:01	33:03	27:06	44:03	03:04	07:06	07:01:01G	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
1189	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
2063	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
2518	11:01	33:03	27:06	44:03	03:04:01G	07:01:01G	07:01:01G	12:02	3*03:01:01G	4*01:01:01G	01:02	02:01	02:01:01G	05:02:01G	01:03:01G	02:01:01G	03:01	10:01
2549	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
3325	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03:01	02:01	03:01	10:01
3410	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	03:01	10:01
3438	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	NT	NT	NT	NT	02:02:01	05:02:01	NT	NT	NT	NT
3582	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
3614	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4551	11:01P	33:03P	27:06	44:03P	03:04P	07:01P	07:01P	12:02P	3*03:01	4*01:03	01:02P	02:01	02:01P	05:02P	NT	NT	03:01P	10:01P
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02P	01:03:01	02:01:01	03:01:01	10:01:01
6051	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02	05:02:01G	01:03:01	02:01:01	03:01:01	10:01:01
45452	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:01:01G	05:02	01:03	02:01	03:01	10:01

Final Consensus based on High Resolution	11:01	33:03	27:06	44:03	03:04	NG	07:01	12:02	3*03:01	NG	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
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Table 23. Individual laboratory results for DNA # 1022 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
144	11:01:01G	33:03:01G	27:06	44:03:02G	03:04:01G	07:01:01G	07:01:01G	12:02P	NT	NT	01:02:01G	02:01:01G	02:01:01G	05:02:01G	01:03:01G	02:01:01G	03:01:01G	10:01
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	11:01	33:03	27:06	44:03	03:04	07:01:01G	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	NT	NT
173	NT	NT	NT	NT	NT	NT	07:01	12:02	NT	NT	01:02	02:01	02:02	05:02	NT	NT	03:01	10:01
176	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	01:02	02:01	02:02	05:02	NT	NT	03:01	10:01
193	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	NT	NT
207	11:01:01	33:03:01	27:06	44:03:02	03:04:01	07:06:01	07:01:01	12:02:01	3*03:01:03	4*01:01P	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
218	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	03:01	10:01
238	11:01	33:03	27:06	44:03	03:04	07:01P	07:01	12:02	3*03:01	4*01:03	01:02	02:01	02:02	05:02	NT	NT	03:01P	10:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	11:01	33:01	27:06	44:03	03:04	07:01	07:01	12:02	3*03:01	4*01:01	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
273	11:01P	33:03P	27:06	44:03P	03:04P	07:01P	07:01P	12:02P	3*03:01	4*01:03	01:02P	02:01	02:01P	05:02P	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	NT	NT
292	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	NT	NT	02:02	05:02	NT	NT	NT	NT
317	11:01	33:01	27:06	44:03	03:02	07:01	07:01	12:02	3*01:01	4*01:01	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01
331	11:01:01:01	33:03:01	27:06	44:03:02	03:04:01:02	07:06:01:01	07:01:01	12:02:01	3*03:01:03	4*01:03:01	01:02:02	02:01:01	02:02:01	05:02:01	01:03:01	02:01:01	03:01:01	10:01:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	11:01:01G	33:03:01G	27:06	44:03:02G	03:04:01G	07:01:01G	07:01:01G	12:02:01	3*03:01:01G	4*01:03	NT	NT	02:01:01G	05:02:01G	NT	NT	03:01:01G	10:01:01
2015	11:01P	33:03P	27:06	44:03P	03:04P	07:01P	07:01P	12:02P	NT	NT	NT	NT	02:01P	05:02P	NT	NT	03:01P	10:01P
2347	02:01P	68:01P	07:02P	49:01P	07:01	07:02	04:05	11:02	NT	NT	NT	NT	03:01P	03:02P	NT	NT	04:01P	104:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01P	10:01P
3625	11:01	33:03	27:06	44:03	03:04	07:06	07:01	12:02	NT	NT	01:02	02:01	02:02	05:02	NT	NT	03:01	10:01
3849	NT	NT	27:06	NT	03:04	07:06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01:01G	10:01
4237	11:01P	33:03P	27:06	44:03	03:04:01	07:06:01	07:01P	12:02:01	3*01:01	4*01:03	01:02P	02:01	02:02	05:02P	01:03P	02:01P	03:01P	10:01P
4420	11:01	33:03	27:06	44:03	NT	NT	07:01	12:02	3*03:01	NT	02:01	NT	NT	05:02	01:03	02:01	NT	NT
Final Consensus	11:01	33:03	27:06	44:03	03:04	NG	07:01	12:02	3*03:01	NG	01:02	02:01	02:02	05:02	01:03	02:01	03:01	10:01

Table 24. Individual laboratory results for DNA # 1022 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	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
138	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
139	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	03	10
144	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	01	02	03	10
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	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	03	10
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	NT	NT
173	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	01	02	03	10
189	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	NT	NT
190	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
192	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
195	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
199	NT	NT	NT	NT	NT	NT	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
205	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	10
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	03	10
215	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
228	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
245	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	01	02	03	10
252	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	01	02	02	05	NT	NT	NT	NT
255	11	33	27	44	NT	NT	07	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
266	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	01	02	03	10
267	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
273	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	NT	NT	NT	NT
274	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
278	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
279	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
280	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	01	02	03	10
282	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
288	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
290	11	33	27	44	NT	NT	07	12	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
294	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	03	10
300	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	NT	NT
305	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
307	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	NT	NT	03	10
328	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
329	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
336	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT

Table 24. Individual laboratory results for DNA # 1022 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
337	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	01	02	02	05	01	02	03	10
339	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	NT	NT	02	05	NT	NT	NT	NT
402	11	33	11	33	11	33	11	33	11	33	11	33	11	33	11	33	11	33
519	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
615	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
702	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
714	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	NT	NT
726	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
732	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
805	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	NT	NT
1251	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
1647	11	33	27	44	03	07	07	12	3*PRESENT	4*PRESENT	01	02	02	05	01	02	03	10
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02	68	07	49	07	07	04	11	3*02	4*01	03	05	03	03	01	01	04(DP401)	104
3438	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	NT	NT
3600	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	NT	NT
3625	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
3849	11	33	27	44	03	07	07	12	NT	NT	NT	NT	02	05	NT	NT	03	10
4237	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	01	02	03	10
4420	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	NT	NT
4551	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	NT	NT	03	10
4582	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
4585	11	33	27	44	03	07	07	12	NT	NT	01	02	02	05	NT	NT	NT	NT
8050	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
9221	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	11	33	27	44	03	07	07	12	3*03	4*01	01	02	02	05	01	02	03	10

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-OL	NGS-INH-OL	NGS-INH-OL	NGS-INH-OL	NGS-INH-OL	NGS-INH-OL	NGS-INH-OL	NGS-INH-OL	NGS-INH-OL
134	NGS-GIL	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-IMM	SBT-TBG	SSO-IMM	SSO-IMM
147	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
148	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	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL
162	SBT-BS	SBT-BS	SBT-BS	SBT-BS			SBT-BS		
173				SSO-LUM-OL		SSO-LUM-OL	SSO-LUM-OL		SSO-LUM-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
189	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE
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	SBT-SC	SBT-SC	SBT-SC			SBT-SC		
	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL			SSO-LUM-OL		
195	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	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					SSP-OLE				
209	SBT-GD	SBT-GD	SBT-GD	SBT-GD	SBT-GD	SBT-GD	SBT-GD		SBT-GD
	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSP-OLE	SSP-OLE	SSP-OLE		SSO-OL
	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE					SSP-OLE
213	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX		NGS-OMX
					SSP-OLE	SSP-OLE			SSP-OLE
218	SBT-INH	SBT-INH	SBT-INH	SBT-INH			SBT-INH		SBT-INH
	SSP-INH	SSP-INH	SSP-INH	SSP-INH			SSP-INH		SSP-INH
238	SSO-HT	SSO-HT	SSO-HT	SSO-HT	SSO-HT	SSO-HT	SSO-HT		SSO-HT
					SSP-OLE	SSP-OLE	SSP-OLE		
239		SSP-OL				SSP-OL	SSP-OL		
240	NGS-GD	NGS-GD	NGS-GD	NGS-GD			NGS-GD		NGS-GD
	SSP-OL	SSP-OL	SSP-OL	SSP-OL			SSP-OL		SSP-OL
262	SSP-OLE			SSP-OLE		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	SSO-LUM-OL	SSO-LUM-OL
273	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG	SSP-OLE	SSO-BAG	SSO-BAG		
	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE	SSP-OLE		
274	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
	SSO-OL	SSO-OL	SSO-OL	SSO-OL					SSO-OL
279	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX	NGS-OMX		NGS-OMX
					SSP-OLE	SSP-OLE			SSP-OLE
282	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
288				SSP-OLE			SSP-OLE		
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
294	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX		NGS-OMX	NGS-OMX		NGS-OMX
	SBT-INH	SBT-INH	SBT-INH	SBT-INH					
298	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
307	NGS-OL SSP-OL	NGS-OL SSP-OL	NGS-OL SSO-OL SSP-OL	NGS-OL SSP-OL		NGS-OL SSP-OL	NGS-OL SSO-OL SSP-OL		
311						SSP-OLE-PRO			
313	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		
316	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
317	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL
323	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX			NGS-OMX		
331	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
402	SBT-GD	SBT-GD	SBT-GD	SBT-GD			SBT-GD		SBT-GD
403	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
519	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
702	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
726	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
805	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SSO-IMM
1189	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
1251	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO SSP-OLE		SBT-PRO		Other-Others SBT-PRO SSO-IMM
2015	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL			SBT-GD SSO-OL		SBT-GD SSO-OL SSP-OLE
2063	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
2347	SBT-SC	SBT-OL-SC	SBT-SC	SBT-SC			SBT-SC		SBT-SC
2518	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SSO-OL	NGS-GIL SSO-OL
2549	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE	NGS-OLE
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 SSO-OL	NGS-GIL SSO-OL	NGS-GIL			NGS-GIL		NGS-GIL SSO-OL
3438	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX			NGS-OMX		
3582	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3600									SSO-LB
3614	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
3625	SBT-INH	SBT-INH	SBT-INH SSO-INH	SBT-INH		SBT-INH	SBT-INH		SBT-INH
3849	SBT-CG-INH	SBT-CG-INH	SBT-CG-INH	SBT-OL			SBT-OL		SBT-INH
4237	SBT-TBG	SBT-TBG	SBT-TBG SSP-OLE	SBT-TBG	SSP-OLE	SSO-OL SSP-OLE	SBT-TBG	SSO-OL	SSO-OL SSP-OLE
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-OMX	NGS-OMX	SSP-OLE	NGS-OMX	NGS-OMX		NGS-OMX SSP-OLE
5451	NGS-IL-INH	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
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-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL

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	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL		
139	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM		SSO-IMM
144	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
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
162	SSP-BS	SSP-BS	SSP-BS	SSP-BS			SSP-BS		SSP-BS
173	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL
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	Other-Others SSO-OL rtPCR-LB	Other-Others SSO-OL rtPCR-LB	Other-Others SSO-OL rtPCR-LB	Other-Others SSO-OL rtPCR-LB	Other-Others rtPCR-LB	Other-Others SSO-OL rtPCR-LB	Other-Others SSO-OL rtPCR-LB	Other-Others SSO-OL rtPCR-LB	Other-Others 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	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS
209	SSP-BR	SSP-BR	SSP-BR	SSP-PRO	SSP-PRO	SSO-OL	SSO-OL SSP-PRO		
213	Other-Others SSP-INN-OLE	Other-Others SSP-INN-OLE	Other-Others SSP-INN-OLE	Other-Others SSP-INN-OLE	SSP-OLE	Other-Others SSP-INN	Other-Others SSP-INN-OLE	SSP-INN	Other-Others SSP-INN-OLE
215	SSP-BR	SSP-BR	SSP-BR	SSP-BR	SSP-BR			SSP-BR	
228	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
239						SSP-OL	SSP-OL		
242	SSP-OL-OLE	SSP-OLE	SSP-OL-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
244	SSO-BAG SSP-OL	SSO-BAG SSP-OL	SSO-BAG SSP-OL	SSO-BAG		SSO-BAG SSP-OLE	SSO-BAG		
245	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS		SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS
252	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN	SSP-INN
255	SSO-OL	SSO-OL		SSO-OL					
260	SSP-BR-PRO	SSP-PRO	SSP-BR-PRO	SSP-PRO	SSP-PRO		SSP-BR		
262	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-OLE-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
265	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSO-OL	SSO-OL	SSP-OL-WAK	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	SSO-LUM-OL	SSO-LUM-OL
273	SSO-BAG SSP-BAG-PRO	SSO-BAG SSP-BAG-PRO	SSO-BAG SSP-BAG-PRO	SSO-BAG SSP-BAG-PRO	SSP-BAG-PRO	SSO-BAG	SSO-BAG SSP-BAG-PRO		
274	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
279	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
282	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
285	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
286	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		SSO-LUM-OL	SSO-LUM-OL-TEP		

Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
288	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG		SSO-BAG	SSO-BAG		
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	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		
307	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-PRO	SSP-PRO		
323	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	SSP-OLE rtPCR-LB	rtPCR-LB	rtPCR-LB	SSP-OLE rtPCR-LB		rtPCR-LB
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		
336	SSP-BAG	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-GD-IMM-OL
519	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM
615	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
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		
726	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
732	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
805	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
1251	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM rtPCR-LB	Other-Others SSO-IMM-TEP rtPCR-LB
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
2347	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
3438	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM			SSO-IMM		
3600	SSO-LB	SSO-LB	SSO-LB	SSO-LB	SSO-LB	SSO-LB	SSO-LB	SSO-LB	
3625	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
3849	SSO-INH	SSO-INH	SSO-INH	SSO-INH			SSO-INH		
4237	SSO-OL-OLE	SSO-OL-OLE	SSO-OL-OLE	SSO-OL-OLE		SSO-OL	SSO-OL-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	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSP-OLE	SSO-IMM	SSO-IMM		SSO-IMM
4582	Other-Others SSO-OL	SSO-OL	SSO-OL	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		
8050	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
9221	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL-TEP rtPCR-LB	SSO-OL rtPCR-LB
9222	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		