

UCLA INTERNATIONAL HLA DNA EXCHANGE—175TH SUMMARY



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DNA Sample	
#1071	#1074
#1072	#1075
#1073	#1076

DNA #1071 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A*11:01-A*26:01-B*49:01-B*51:01-C*05:01-C*07:01-DRB1*13:03-DRB1*16:01-DRB3*01:01-DRB5*02:02-DQA1*01:02-DQA1*05:05-DQB1*03:01-DQB1*05:02-DPA1*01:03-DPA1*03:01-DPB1*03:01-DPB1*04/105.

A consensus for the second DPB allele could not be reached seeing as 14 participants reported DPB1*105:01:01, 15 participants reported DPB1*04:02:01G, 15 participants reported DPB1*04:01P, 12 participants reported DPB1*105:01, and 4 participants reported DPB1*04:02.

The likely class I associations for this cell are A*11:01-B*49:01-C*07:01 and A*26:01-B*51:01-C*05:01, with respective frequencies of HF=0.00031 and HF=0.00006, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1071 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9. The results for DNA #1071 HLA-E, -F, -G, -H, and MICB data can be found on Table 25.

DNA #1072 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*68:01-B*35:17-B*40:27-C*03:04-C*04:01-DRB1*04:04-DRB1*08:02-DRB4*01:03-DQA1*03:01-DQA1*04:01-DQB1*03:02-DQB1*04:02-DPA1*01:03-DPB1*04:02.

The likely class II associations in this cell are DRB1*04:04-DQB1*03:02 and DRB1*08:02-DQB1*04:02, with respective frequencies of HF=0.04912 and HF=0.05612, as seen in Hispanic, according to the NMDP Bioinformatics website.

The results for DNA #1072 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12. The results for DNA #1072 HLA-E, -F, -G, -H, and MICB data can be found on Table 26.

DNA #1073 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*33:01-B*39:11-B*44:03-C*02:02-C*07:02-DRB1*04:17-DRB1*13:01-DRB3*01:01-DRB4*01:03-DQA1*01:03-DQA1*03:03-DQB1*04:02-DQB1*06:03-DPA1*01:03-DPB1*04:01:01G-DPB1*04:02:01G.

The consensus for the DPB1 loci was DPB1*04:01:01G, DPB1*04:02:01G. Interestingly, 10 participants could not exclude DPB1*105:01, DPB1*126:01.

The likely class I associations for this cell are B*44:03-C*02:02 and B*39:11-C*07:02, with respective frequency of HF=0.00306 and HF=0.00125, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1073 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15. The results for DNA #1073 HLA-E, -F, -G, -H, and MICB data can be found on Table 27.



DNA Sample	
#1071	#1074
#1072	#1075
#1073	#1076

DNA #1074 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*24:02-B*35:20-B*44:03-C*04:01-C*16:02-DRB1*04:07-DRB1*13:01-DRB3*01:01-DRB4*01:03-DQA1*01:03-DQA1*03:01-DQB1*03:02-DQB1*06:03-DPA1*02:01-DPB1*05:01:01G-DPB1*13:01:01G.

The likely class II associations in this cell are DRB1*04:07-DQB1*03:02 and DRB1*13:01-DQB1*06:03, with respective frequencies of HF=0.05700 and HF=0.03525, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1074 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18. The results for DNA #1074 HLA-E, -F, -G, -H, and MICB data can be found on Table 28.

DNA #1075 ASIAN

The consensus type for this sample from an Asian donor is A*24:07-B*07:06-B*40:02-C*07:02-DRB1*15:01-DRB1*15:02-DRB5*01:01-DRB5*01:02-DQA1*01:01-DQA1*01:02-DQB1*05:01-DQB1*05:02-DPA1*02:02-DPA1*04:01-DPB1*01-DPB1*02(DP201).

A consensus for both DPB1 alleles could not be reached. See Table 5. Interestingly, a total of 11 participants reporting NGS results could not exclude DPB1*162:01, DPB1*461:01. DPB1*162:01 is identical to DPB1*01:01:02 in exon 2 but differs from it in exon 3 and 4 as noted in *Identification of the new HLA-DPB1 allele, DPB1*162:01, in a Venezuelan family* (Testi, M. et al. Tissue Antigens, 2013. Volume 82, Issue 6; pages 442-443).

The likely class II associations in this cell are DRB1*15:01-DQB1*05:02 and DRB1*15:02-DQB1*05:01, with respective frequencies of HF=0.00838 and HF=0.01942, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1075 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21. The results for DNA #1075 HLA-E, -F, -G, -H, and MICB data can be found on Table 29.

DNA #1076 ASIAN

The consensus type for this sample from an Asian donor is A*11:01-A*34:01-B*15:02-B*15:21-C*04:03-C*08:01-DRB1*15:02-DRB5*01:01-DQA1*01:02-DQB1*05:02-DPA1*02:02-DPB1*01:01-DPB1*05:01.

The likely class I associations in this cell are A*11:01-B*15:02-C*08:01 and A*34:01-B*15:21-C*04:03, with respective frequencies of HF=0.02020 and HF=0.00170, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1076 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24. The results for DNA #1076 HLA-E, -F, -G, -H, and MICB data can be found on Table 30.

ACKNOWLEDGMENTS:

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Table 1. Summary of the 175th DNA Exchange (DNA #1071)

A				B				C			
66 labs High / 59 labs Low		% (n)		65 labs High / 57 labs Low		% (n)		63 labs High / 57 labs Low		% (n)	
A*11:01:01:01	3 (2)	A*26:01:01:01	11(7)	B*49:01:01	51(33)	B*51:01:01	51(33)	C*05:01:01:02	3 (2)	C*07:01:01	52(32)
A*11:01:01	48(31)	A*26:01:01	39(26)	B*49:01:01G	1 (1)	B*51:01:01G	1 (1)	C*05:01:01	48(30)	C*07:01:01G	3 (2)
A*11:01:01G	3 (2)	A*26:01:01G	3 (2)	B*49:01P	6 (4)	B*51:01P	6 (4)	C*05:01:01G	2 (1)	C*07:01P	5 (3)
A*11:01P	5 (3)	A*26:01P	6 (4)	B*49:01	41(27)	B*51:01	41(27)	C*05:01P	5 (3)	C*07:01	40(25)
A*11:01	41(27)	A*26:01	41(27)	B*49	100(57)	B*51	100(57)	C*05:01	43(27)	C*07	100(57)
A*11	100(59)	A*26	100(59)					C*05	100(57)		
DRB1				DRB3/4/5				DQA1			
66 labs High / 59 labs Low		% (n)		47 labs High / 38 labs Low		% (n)		55 labs High / 45 labs Low		% (n)	
DRB1*13:03:01	42(27)	DRB1*16:01:01	48(32)	DRB3*01:01:02	49(23)	DRB5*02:02:01	53(25)	DQA1*01:02:02:01	4 (2)	DQA1*05:05:01	44(24)
DRB1*13:03P	6 (4)	<i>DRB1*16:05:01</i>	1 (1)	DRB3*01:01:02G	2 (1)	DRB5*02:02P	6 (3)	DQA1*01:02:02	44(24)	DQA1*05:01:01G	4 (2)
DRB1*13:03	52(33)	DRB1*16:01P	8 (5)	DRB3*01:01P	8 (4)	DRB5*02:02	40(19)	DQA1*01:02:01G	2 (1)	DQA1*05:01P	5 (3)
DRB1*13	100(59)	DRB1*16:01	42(28)	DRB3*01:01	40(19)	DRB5*02	71(27)	DQA1*01:02P	4 (2)	DQA1*05:05	45(25)
		DRB1*16	98(58)	DRB3*01	74(28)	DRB5*PRESENT	29(11)	DQA1*01:02	47(26)	<i>DQA1*05:01</i>	2 (1)
		<i>DRB1*15</i>	2 (1)	DRB3*PRESENT	26(10)			DQA1*01	100(45)	DQA1*05	100(45)
DQB1				DPA1				DPB1			
65 labs High / 59 labs Low		% (n)		48 labs High / 32 labs Low		% (n)		60 labs High / 27 labs Low		% (n)	
DQB1*03:01:01	33(21)	DQB1*05:02:01	35(23)	DPA1*01:03:01	35(17)	DPA1*03:01:01	37(18)	DPB1*03:01:01	27(16)	DPB1*105:01:01	23(14)
DQB1*03:01:01G	12(8)	DQB1*05:02:01G	8 (5)	DPA1*01:03:01G	6 (3)	DPA1*03:01P	6 (3)	DPB1*03:01:01G	27(16)	DPB1*04:02:01G	25(15)
DQB1*03:01P	17(11)	DQB1*05:02P	9 (6)	DPA1*01:03P	8 (4)	DPA1*03:01	54(26)	DPB1*03:01P	18(11)	DPB1*04:01P	25(15)
DQB1*03:01	37(24)	DQB1*05:02	48(31)	DPA1*01:03	50(24)	<i>DPA1*01:03</i>	2 (1)	DPB1*03:01	28(17)	DPB1*105:01	20(12)
DQB1*03	100(59)	DQB1*05	100(59)	DPA1*01	100(32)	DPA1*03	97(31)	DPB1*03	100(27)	DPB1*04:02	7 (4)
						<i>DPA1*01</i>	3 (1)			DPB1*105	56(15)
										DPB1*04(DP401)	41(11)
										DPB1*02(DP201)	4 (1)

Discrepant results from consensus are italicized in Tables 1-6

Table 2. Summary of the 175th DNA Exchange (DNA #1072)

A				B				C			
66 labs High / 54 labs Low		% (n)		66 labs High / 54 labs Low		% (n)		64 labs High / 53 labs Low		% (n)	
A*02:01:01:01	3 (2)	A*68:01:02:01	11(7)	B*35:17:01:01	8 (5)	B*40:27:01	54(36)	C*03:04:01:02	3 (2)	C*04:01:01	50(32)
A*02:01:01	40(26)	A*68:01:02	32(21)	B*35:17:01	49(32)	B*40:27P	1 (1)	C*03:04:01	48(30)	C*04:01:01G	3 (2)
A*02:01:01G	9 (6)	A*68:01:02G	8 (5)	B*35:17	41(27)	B*40:27	36(24)	C*03:04:01G	2 (1)	C*04:01P	6 (4)
A*02:01P	11(7)	A*68:01:01G	1 (1)	B*35:01	1 (1)	B*40:03	3 (2)	C*03:04P	5 (3)	C*04:01	41(26)
A*02:01	37(24)	A*68:01P	12(8)	B*35	100(54)	B*40:02	4 (3)	C*03:04	42(26)	C*04	100(53)
A*02	98(53)	A*68:01	36(24)			B*40	100(54)	C*03	100(53)		
A*23	2 (1)	A*68	96(52)								
		A*24	2 (1)								
		A*02	2 (1)								

DRB1				DRB3/4/5				DQA1			
66 labs High / 56 labs Low		% (n)		47 labs High / 36 labs Low				54 labs High / 44 labs Low		% (n)	
DRB1*04:04:01	42(28)	DRB1*08:02:01	50(33)	DRB4*01:03:01	45(21)			DQA1*03:01:01:01	6 (3)	DQA1*04:01:01	50(27)
DRB1*04:04P	15(10)	DRB1*08:02P	8 (5)	DRB4*01:01:01G	2 (1)			DQA1*03:01:01	44(24)	DQA1*04:01:01G	2 (1)
DRB1*04:04	42(28)	DRB1*08:02	42(28)	DRB4*01:01P	13(6)			DQA1*03:01:01G	2 (1)	DQA1*04:01P	4 (2)
DRB1*04	100(56)	DRB1*08	100(56)	DRB4*01:03	36(17)			DQA1*03:01P	6 (3)	DQA1*04:01	44(24)
				DRB4*01:01	4 (2)			DQA1*03:01	43(23)	DQA1*04	100(44)
				DRB4*01	78(28)			DQA1*03	100(44)		
				DRB4*PRESENT	22(8)						

DQB1				DPA1				DPB1			
65labs High / 56 labs Low		% (n)		49 labs High / 32 labs Low		% (n)		61 labs High/ 28 labs Low		% (n)	
DQB1*03:02:01	34(22)	DQB1*04:02:01	37(24)	DPA1*01:03:01	53(26)			DPB1*04:02:01	52(32)		
DQB1*03:02:01G	9 (6)	DQB1*04:02:01G	5 (3)	DPA1*01:03P	4 (2)			DPB1*04:02:01G	3 (2)		
DQB1*03:02P	15(10)	DQB1*04:02P	14(9)	DPA1*01:03	43(21)			DPB1*04:02P	7 (4)		
DQB1*03:02	41(27)	DQB1*04:02	45(29)	DPA1*01	100(32)			DPB1*04:02	38(23)		
DQB1*03	100(55)	DQB1*04	100(56)					DPB1*04(DP402)	100(28)		

Discrepant results from consensus are italicized in Tables 1-6

[illegible]

5/44

[illegible]

Table 5. Summary of the 175th DNA Exchange (DNA #1075)

[illegible]

Discrepant results from consensus are italicized in Tables 1-6

Table 6. Summary of the 175th DNA Exchange (DNA #1076)

A				B				C			
61 labs High / 51 labs Low		% (n)		62 labs High / 51 labs Low		% (n)		60 labs High / 50 labs Low		% (n)	
A*11:01:01:01	3 (2)	A*34:01:01:01	11(7)	B*15:02:01	51(31)	B*15:21:01:01	11(7)	C*04:03:01:01	10(6)	C*08:01:01:01	3 (2)
A*11:01:01	47(29)	A*34:01:01	41(25)	B*15:02:01G	5 (3)	B*15:21:01	42(26)	C*04:03:01	42(25)	C*08:01:01	47(28)
A*11:01:01G	5 (3)	A*34:01:01G	3 (2)	B*15:02P	3 (2)	B*15:21:01G	3 (2)	C*04:03:01G	3 (2)	C*08:01:01G	5 (3)
A*11:01P	3 (2)	A*34:01P	3 (2)	B*15:02	41(25)	B*15:21	42(26)	C*04:03P	3 (2)	C*08:01P	3 (2)
A*11:01	41(25)	A*34:01	41(25)	B*15	100(51)	<i>B*15:02</i>	2 (1)	C*04:03	42(25)	C*08:01	42(25)
A*11	100(51)	A*34	100(51)			B*15	100(50)	C*04	98(49)	C*08	100(50)
								<i>C*02</i>	2 (1)		

DRB1				DRB3/4/5				DQA1			
61 labs High / 53 labs Low		% (n)		45 labs High / 34 labs Low		% (n)		47 labs High / 43 labs Low		% (n)	
DRB1*15:02:01	38(23)			DRB5*01:01:01	56(25)			DQA1*01:02:01	55(26)		
DRB1*15:02:01G	15(9)			DRB5*01:01:01G	2 (1)			DQA1*01:02:01G	2 (1)		
DRB1*15:01P	13(8)			DRB5*01:01P	2 (1)			DQA1*01:02P	2 (1)		
DRB1*15:02	33(20)			DRB5*01:01	40(18)			DQA1*01:02	40(19)		
<i>DRB1*15:01</i>	2 (1)			DRB5*01	79(27)			DQA1*01	100(43)		
DRB1*15	98(52)			DRB5*PRESENT	21(7)						
<i>DRB1*09</i>	2 (1)										

DQB1				DPA1				DPB1			
60 labs High / 52 labs Low		% (n)		46 labs High / 33 labs Low		% (n)		60 labs High / 32 labs Low		% (n)	
DQB1*05:02:01	37(22)			DPA1*02:02:02	54(25)			DPB1*01:01:01	50(30)	DPB1*05:01:01	37(22)
DQB1*05:02:01G	10(6)			DPA1*02:02P	4 (2)			DPB1*01:01:01G	7 (4)	DPB1*05:01:01G	17(10)
DQB1*05:02P	8 (5)			DPA1*02:02	39(18)			DPB1*01:01P	5 (3)	DPB1*05:01P	10(6)
DQB1*05:02	45(27)			<i>DPA1*02:01</i>	2 (1)			DPB1*01:01	38(23)	DPB1*05:01	37(22)
DQB1*05	100(52)			DPA1*02	97(32)			DPB1*01	100(32)	DPB1*05	100(32)
				<i>DPA1*01</i>	3 (1)						

Discrepant results from consensus are italicized in Tables 1-6

Table 7. Individual laboratory results for DNA # 1071 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02	05:05	03:01:01G	05:02:01G	01:03	03:01	03:01:01G	04:02:01G
16	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01G	05:02:01	01:03:01G	03:01	03:01:01G	04:02:01G
124	11:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:05:01	FTA	FTA	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
125	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	NT	NT	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
134	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01P	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01P	04:02P
138	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01P	04:02P
144	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:01P	03:01:01	05:02:01	01:03	03:01	03:01P	04:02P
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	11:01P	26:01P	49:01P	51:01P	05:01P	07:01P	13:03P	16:01P	3*01:01P	5*02:02P	01:02P	05:01:01G	03:01P	05:02P	01:03P	03:01P	03:01P	04:02P
173	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	04:02
185	11:01:01G	26:01:01G	49:01:01G	51:01:01G	05:01:01G	07:01:01G	13:03P	16:01P	3*01:01P	5*02:02P	01:02:01G	05:01:01G	03:01P	05:02P	NT	NT	03:01:01G	04:02:01G
188	11:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03	16:01:01	NT	NT	01:02:02:01	05:05:01	03:01P	05:02P	NT	NT	03:01P	04:02P
189	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01:01G	04:02:01G
190	11:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03	16:01:01	NT	NT	NT	NT	03:01P	05:02	NT	NT	03:01:01	04:02P
192	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02G	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01G	04:02:01G
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
213	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01P	04:02P
218	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	NT	NT	03:01	05:02	NT	NT	03:01	105:01
227	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
240	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03	16:01:01	NT	NT	01:02	05:01P	03:01P	05:02	NT	NT	03:01:01	04:02P
258	11:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03	16:01:01	3*01:01:02	5*02:02:01	01:02:02:01	05:05:01	03:01:01	05:02	01:03:01	03:01:01	03:01:01	105:01:01
264	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01G	03:01:01	03:01:01G	105:01:01
278	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	105:01
279	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	105:01
290	11:01:01	26:01:01	49:01:01	51:01:01	NT	NT	13:03:01	16:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294	NT	26:01P	49:01P	51:01P	NT	NT	NT	16:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03	03:01	03:01	105:01
316	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	04:02P
321	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:01P	03:01P	05:02:01	01:03P	03:01	03:01:01	105:01:01
331	11:01:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01:02	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01G	04:02:01G
340	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03P	03:01P	03:01:01	04:02P
344	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01:01G	05:02:01G	01:03	03:01	03:01	105:01
349	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	105:01
353	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
403	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03	16:01:01	NT	NT	NT	NT	03:01:01G	05:02	NT	NT	03:01:01G	04:02:01G
702	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
726	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	105:01
769	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01:01G	05:02	01:03	03:01	03:01	04:02P
805	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01P	05:02	01:03	03:01	03:01	105:01
1251	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01G	05:02:01G	01:03:01G	03:01	03:01:01G	04:02:01G
1686	11:01:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01:02	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01G	04:02:01G
2063	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01:01G	04:02:01G
2862	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	NT	NT	03:01:01	05:02:01	NT	NT	NT	NT
3325	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01:01G	04:02:01G
3410	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	NT	NT	03:01	05:02	NT	NT	03:01	105:01
3438	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
3582	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
3614	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	105:01
3625	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
4237	11:01:01	26:01:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03	16:01:01	3*01:01P	5*02:02P	01:02P	05:05	03:01P	05:02P	01:03P	03:01P	03:01P	04:02P

Table 7. Individual laboratory results for DNA # 1071 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01:01G	04:02:01G
5451	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01P	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
6051	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01:01	105:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01G	05:02:01G	01:03	03:01	03:01:01G	04:02:01G
45452	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01:01G	05:02:01G	01:03	03:01	03:01:01G	04:02:01G
Final Consensus based on High Resolution	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	NG

Table 8. Individual laboratory results for DNA # 1071 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	11:01:01G	26:01:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	11:01	26:01	49:01	51:01	05:01	07:01:01G	13:03	16:01	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
176	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	01:02	05:05	03:01	05:02	01:03	03:01	03:01:01G	04:02:01G
193	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	NT	NT	03:01	05:02	NT	NT	03:01	105:01
207	11:01:01	26:01:01	49:01:01	51:01:01	05:01:01	07:01:01	13:03:01	16:01:01	3*01:01:02	5*02:02:01	01:02:02	05:05:01	03:01:01	05:02:01	01:03:01	03:01:01	03:01P	04:02P
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	05:05	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	13:03	16:01	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
267	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:01	03:01	05:02	01:03	03:01	03:01	04:02
292	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	05:05	NT	NT	NT	NT	NT	NT
313	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
317	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	04:02
402	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	NT	NT	NT	NT	03:01	05:02			03:01	04:02
714	11:01P	26:01P	49:01P	51:01P	05:01P	07:01P	13:03P	16:01P	NT	NT	NT	NT	03:01P	05:02P	NT	NT	03:01P	04:02P
2015	11:01P	26:01P	49:01P	51:01P	05:01P	07:01P	13:03P	16:01P	NT	NT	NT	NT	03:01P	05:02P	NT	NT	03:01P	04:02P
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01P	105:01
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4420	11:01	26:01	49:01	51:01	05:01	NT	NT	16:01	3*01:01	5*02:02	01:02	05:05	NT	05:02	01:03	01:03	NT	NT
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	11:01	26:01	49:01	51:01	05:01	07:01	13:03	16:01	3*01:01	5*02:02	01:02	05:05	03:01	05:02	01:03	03:01	03:01	NG

Table 9. Individual laboratory results for DNA # 1071 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
144	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
147	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
148	11	26	49	51	05	07	13	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
151	11	26	49	51	05	07	13	16	NT	NT	NT	NT	03	05	NT	NT	03	105
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	11	26	49	51	05	07	13	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
189	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	NT	NT
190	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
192	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
195	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
199	NT	NT	NT	NT	NT	NT	13	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
205	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
207	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
213	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
215	11	26	49	51	05	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
228	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	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
242	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
245	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	01	03	03	105
252	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
255	11	26	49	51	NT	NT	13	16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
265	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
266	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	01	03	03	04(DP402)
267	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
278	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
279	11	26	49	51	05	07	13	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
280	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	NT	NT
282	11	26	NT	NT	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
285	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
286	11	26	49	51	05	07	13	16	NT	NT	NT	NT	03	05	NT	NT	NT	NT
288	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
292	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
293	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	01	03	NT	NT
294	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	NT	NT	NT	NT
304	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
311	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
318	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	01	03	03	02(DP201)
329	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
336	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
339	11	26	49	51	05	07	13	16	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
340	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
349	11	26	49	51	05	07	13	16	3*01	5*02	NT	NT	03	05	NT	NT	NT	NT
350	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	01	03	03	105
353	11	26	49	51	05	07	13	16	NP	NP	NT	NT	03	05	01	03	03	105
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	NT	NT
702	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105

Table 9. Individual laboratory results for DNA # 1071 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
714	11	26	49	51	05	07	13	16	NT	NT	NT	NT	03	05	NT	NT	03	04(DP402)
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
805	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
3438	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
3600	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	NT	NT
3849	NT	NT	NT	NT	NT	NT	13	16	3*01	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
4237	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	01	03	03	04(DP402)
4420	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	01	NT	NT
4582	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	04(DP402)
4585	11	26	49	51	05	07	13	16	NT	NT	01	05	03	05	NT	NT	NT	NT
8050	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
9221	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	105
9222	11	26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	11	26	49	51	05	07	13	16	3*01	5*02	01	05	03	05	01	03	03	NG

Table 10. Individual laboratory results for DNA # 1072 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01G	68:01:02G	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03	NP	03:01	04:01	03:02:01G	04:02	01:03	01:03	04:02:01	04:02:01
16	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
124	02:01:01	68:01:02:01	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
125	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	NT	NT	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
134	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04P	08:02:01	4*01:01P	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
138	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
144	02:01P	68:01P	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
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	02:01P	68:01P	35:17:01	40:27P	03:04P	04:01P	04:04P	08:02P	4*01:01P	NP	03:01P	04:01P	03:02P	04:02P	01:03P	01:03P	04:02P	04:02P
173	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
185	02:01:01G	68:01:02G	35:17:01	40:27:01	03:04:01G	04:01:01G	04:04P	08:02P	4*01:01P	NP	03:01:01G	04:01:01G	03:02P	04:02P	NT	NT	04:02:01G	04:02:01G
188	02:01:01	68:01:02:01	35:17:01:01	40:27:01	03:04:01	04:01:01	04:04P	08:02:01	NT	NT	03:01:01:01	04:01:01	03:02P	04:02P	NT	NT	04:02:01	04:02:01
189	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
190	02:01:01	68:01:02:01	35:17:01:01	40:27:01	03:04:01	04:01:01	04:04P	08:02:01	NT	NT	NT	NT	03:02P	04:02P	NT	NT	04:02:01	04:02:01
192	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:01:01G	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
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	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
213	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:01P	4*01:01P	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
218	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	04:02	04:02
227	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
240	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04P	08:02:01	NT	NT	03:01P	04:01	03:02P	04:02P	NT	NT	04:02:01	04:02:01
258	02:01:01	68:01:02:01	35:17:01:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03	NP	03:01:01:01	04:01:01	03:02	04:02	01:03:01	01:03:01	04:02:01	04:02:01
264	02:01:01G	68:01:02G	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
278	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NT	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
279	02:01P	68:01P	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
290	02:01:01	68:01:02	35:17:01	40:27:01	NT	NT	04:04:01	08:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294	NT	68:01P	35:17	40:27	NT	04:01P	04:04P	08:02P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
316	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
321	02:01P	68:01P	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
331	02:01:01:01	68:01:02:01	35:17:01:01	40:27:01	03:04:01:02	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
340	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02P	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
344	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	4*01:03	03:01	04:01	03:02:01G	04:02:01G	01:03	01:03	04:02	04:02
349	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
353	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	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	NT	NT	NT	NT	03:02:01G	04:02:01G	NT	NT	04:02:01	04:02:01
702	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
726	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
769	02:01P	68:01P	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
805	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:01P	NP	03:01	04:01	03:02P	04:02P	01:03	01:03	04:02	04:02
1251	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01G	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
1686	02:01:01:01	68:01:02:01	35:17:01:01	40:27:01	03:04:01:02	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
2063	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02:01G	04:02:01G
2862	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
3325	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
3410	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	04:02	04:02
3438	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
3582	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
3614	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
3625	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NT	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
4237	02:01:01	68:01:02:01	35:17:01	40:27:01	03:04:01	04:01:01	04:04P	08:02:01	4*01:03	NP	03:01P	04:01P	03:02P	04:02P	01:03P	01:03P	04:02:01	04:02:01

Table 10. Individual laboratory results for DNA # 1072 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
5451	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
6051	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:03:01	NP	03:01:01	04:01:01	03:02:01G	04:02:01G	01:03:01	01:03:01	04:02:01	04:02:01
45452	02:01:01G	68:01:02G	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02:01G	04:02	01:03	01:03	04:02	04:02
Final Consensus based on High Resolution	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02

Table 11. Individual laboratory results for DNA # 1072 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	02:01:01G	68:01:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02:01	68:01	35:17	40:27	03:04	04:01:01G	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	NT	NT
176	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	NT	NT	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
193	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	04:02	04:02
207	02:01:01	68:01:02	35:17:01	40:27:01	03:04:01	04:01:01	04:04:01	08:02:01	4*01:01P	NP	03:01:01	04:01:01	03:02:01	04:02:01	01:03:01	01:03:01	04:02:01	04:02:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	04:01	03:02	04:02	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	04:04	08:02	NT	NT	03:01	04:01	03:02	04:02	NT	NT	NT	NT
267	02:01	68:01	35:17	40:03	03:04	04:01	04:04	08:02	4*01:01	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
292	02:01	68:01	35:17	40:03	03:04	04:01	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	NT	NT
317	02:01	68:01	35:01	40:02	03:04	04:01	04:04	08:02	4*01:01	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02
402	02:01	68:01	35:17	40:02	03:04	04:01	04:04	08:02	NT	NT	NT	NT	03:02	04:02	NT	NT	04:02	04:02
714	02:01P	68:01P	35:17:01	40:27:01	03:04P	04:01P	04:04P	08:02P	NT	NT	NT	NT	03:02P	04:02P	NT	NT	04:02P	04:02P
2015	02:01P	68:01P	35:17:01	40:27:01	03:04P	04:01P	04:04P	08:02P	NT	NT	NT	NT	03:02P	04:02P	NT	NT	04:02P	04:02P
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02P	04:02P
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4420	02:01	68:01	NT	40:02	NT	04:01	04:04	08:02	NT	NT	03:01	04:01	03:02	04:02	01:03	01:03	NT	NT
4585	NT	NT	35:17	40:27	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02:01	68:01	35:17	40:27	03:04	04:01	04:04	08:02	4*01:03	NP	03:01	04:01	03:02	04:02	01:03	01:03	04:02	04:02

Table 12. Individual laboratory results for DNA # 1072 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
144	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
147	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
148	02	68	35	40	03	04	04	08	NT	NT	NT	NT	03	04	NT	NT	NT	NT
151	02	68	35	40	03	04	04	08	NT	NT	NT	NT	03	04	NT	NT	04(DP402)	04(DP402)
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02	68	35	40	03	04	04	08	NT	NT	NT	NT	03	04	NT	NT	NT	NT
189	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	NT	NT
190	02	68	35	40	03	04	04	08	4*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
192	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
195	02	68	35	40	03	04	04	08	4*01	4*01	03	04	03	04	01	01	04(DP402)	04(DP402)
199	NT	NT	NT	NT	NT	NT	04	08	4*PRESENT	4*PRESENT	NT	NT	NT	04	NT	NT	NT	NT
205	11	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	68	35	40	03	04	04	08	4*01	4*01	03	04	03	04	01	01	04(DP402)	04(DP402)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
228	02	68	35	40	03	04	04	08	4*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	04	03	04	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	01	01	04(DP402)	04(DP402)
252	02	68	35	40	03	04	04	08	4*PRESENT	NP	03	04	03	04	NT	NT	NT	NT
255	02	68	35	40	NT	NT	04	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	02	68	35	40	03	04	04	08	4*PRESENT	NP	03	04	03	04	NT	NT	NT	NT
265	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
266	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	01	01	04(DP402)	04(DP402)
267	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
278	02	68	35	40	03	04	04	08	4*01	NT	03	04	03	04	01	01	04(DP402)	04(DP402)
279	02	68	35	40	03	04	04	08	NT	NP	NT	NT	03	04	NT	NT	NT	NT
280	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
282	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
285	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
286	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
288	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
292	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
293	23	24	35	40	03	04	04	08	NT	NT	03	04	03	04	01	01	NT	NT
294	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	NT	NT	NT	NT
304	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	01	01	04(DP402)	04(DP402)
329	02	68	35	40	03	04	04	08	4*PRESENT	NP	03	04	03	04	NT	NT	NT	NT
336	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
339	02	02	35	40	03	04	04	08	4*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
340	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
349	02	68	35	40	03	04	04	08	4*01	NP	NT	NT	03	04	NT	NT	NT	NT
350	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	01	01	04(DP402)	04(DP402)
353	02	68	35	40	03	04	04	08	4*01	NP	NT	NT	03	04	01	01	04(DP402)	04(DP402)
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	NT	NT
702	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)

Table 12. Individual laboratory results for DNA # 1072 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
714	02	68	35	40	03	04	04	08	NT	NT	NT	NT	03	04	NT	NT	04(DP402)	04(DP402)
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	68	35	40	03	04	04	08	4*01	4*01	03	04	03	04	01	01	04(DP402)	105
805	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
3438	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
3600	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	08	4*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
4237	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	01	01	04(DP402)	04(DP402)
4420	02	68	35	40	03	04	04	08	4*01	4*01	03	04	03	04	01	01	NT	NT
4582	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
4585	02	68	35	40	03	04	04	08	NT	NT	03	04	03	04	NT	NT	NT	NT
8050	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
9221	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02	68	35	40	03	04	04	08	4*01	NP	03	04	03	04	01	01	04(DP402)	04(DP402)

Table 13. Individual laboratory results for DNA # 1073 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
16	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
124	02:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01	04:02
125	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	NT	NT	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01P	04:02P
144	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
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
173	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
185	02:01:01G	33:01:01G	39:11	44:03:01G	02:02:02G	07:02:01G	04:17P	13:01P	3*01:01P	4*01:01P	01:03:01G	03:01:01G	04:02P	06:03P	NT	NT	04:01:01G	04:02:01G
188	02:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02	07:02:01	04:17:02	13:01P	NT	NT	01:03:01	03:03:01:06	04:02P	06:03P	NT	NT	04:01P	04:02P
189	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
190	02:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02	07:02:01	04:17:02	13:01P	NT	NT	NT	NT	04:02P	06:03	NT	NT	04:01P	04:02:01
192	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
195	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
205	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
213	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
218	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
227	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	02:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02	07:02:01	04:17:02	13:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01:06	04:02:01	06:03	01:03:01	01:03:01	04:01:01	04:02:01
264	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
278	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	02:01	126:01
279	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
290	02:01:01	33:01:01	39:11	44:03:01	NT	NT	04:17:02	13:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294	02:01P	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	01:03	03:03	04:02	06:03	NT	NT	04:01P	04:02P
298	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01	04:02
316	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
321	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03P	01:03P	04:01P	04:02P
331	02:01:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02:01	07:02:01:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
340	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
344	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
349	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
353	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
403	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01G	NT	NT	NT	NT	04:02:01G	06:03	NT	NT	04:01:01G	04:02:01G
702	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
769	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01P	04:02P
805	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01	04:02
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	04:02
1686	02:01:01:01	33:01:01:01	39:11	44:03:01:02	02:02:02:01	07:02:01:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
2063	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01:01G	04:02:01G
2862	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3325	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
3410	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01P	04:02
3438	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3582	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3614	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
3625	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
4237	02:01:01	33:01:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01P	3*01:01P	4*01:03	01:03	03:0						

Table 13. Individual laboratory results for DNA # 1073 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
5451	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
6051	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03	01:03:01	01:03:01	04:01:01G	04:02:01G
45452	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
Final Consensus based on High Resolution	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G

Table 14. Individual laboratory results for DNA # 1073 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	02:01:01G	33:01:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
176	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
193	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
207	02:01:01	33:01:01	39:11	44:03:01	02:02:02	07:02:01	04:17:02	13:01:01	3*01:01:02	4*01:03:02	01:03:01	03:03:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:03	04:02	06:03	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:03	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	13:01	NT	NT	01:03	03:03	04:02	06:03	NT	NT	NT	NT
267	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:01	01:03	03:01	04:02	06:03	01:03	01:03	04:01	04:02
292	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:03	NT	NT	NT	NT	NT	NT
313	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
317	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:01	01:03	03:01	04:02	06:03	01:03	01:03	04:01	04:02
402	02:01	33:01	39:11	44:03	02:02	07:02	04:11	13:02	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
714	02:01P	33:01P	39:11	44:03P	02:02P	07:02P	04:17P	13:01P	NT	NT	NT	NT	04:02P	06:03P	NT	NT	04:01P	04:02P
2015	02:01P	33:01P	39:11	44:03P	02:02P	07:02P	04:17:02	13:01P	NT	NT	NT	NT	04:02P	06:03P	NT	NT	04:01P	04:02P
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	04:02P
3849	NT	NT	NT	NT	NT	NT	04:17:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4420	02:01	33:01	39:11	44:03	NT	07:02	04:17	13:01	3*01:01	NT	01:03	03:03	04:02	06:03	01:03	01:03	04:01	NT
4585	NT	NT	39:11	NT	NT	NT	04:17	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02:01	33:01	39:11	44:03	02:02	07:02	04:17	13:01	3*01:01	4*01:03	01:03	03:03	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G

Table 15. Individual laboratory results for DNA # 1073 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
138	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
144	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
147	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
148	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
151	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	04(DP401)	04(DP402)
158	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
162	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
189	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
190	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
192	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
195	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
199	NT	NT	NT	NT	NT	NT	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
205	11	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
228	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	03	04	06	NT	NT	NT	NT
242	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
245	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
252	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
255	02	33	39	44	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
265	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
266	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
267	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
278	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	02(DP201)	126
279	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
280	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
282	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
288	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
292	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
293	02	33	39	44	02	07	04	13	NT	NT	01	04	04	06	01	01	NT	NT
294	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	NT	NT	NT	NT
304	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
311	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
318	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
329	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	01	03	04	06	NT	NT	NT	NT
336	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
339	02	33	39	44	02	07	04	13	3*PRESENT	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
340	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
349	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
353	02	33	39	44	02	07	04	13	3*01	4*01	NT	NT	04	06	01	01	04(DP401)	04(DP402)
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
702	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)

Table 15. Individual laboratory results for DNA # 1073 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
714	02	33	39	44	02	07	04	13	NT	NT	NT	NT	04	06	NT	NT	04(DP401)	04(DP402)
726	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
732	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
805	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
1251	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
2518	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
3438	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
3600	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	13	3*01	4*PRESENT	NT	NT	04	06	NT	NT	NT	NT
4237	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	01	01	04(DP401)	04(DP402)
4420	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	NT
4582	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
4585	02	33	39	44	02	07	04	13	NT	NT	01	03	04	06	NT	NT	NT	NT
8050	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
9221	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02	33	39	44	02	07	04	13	3*01	4*01	01	03	04	06	01	01	04(DP401)	04(DP402)

Table 16. Individual laboratory results for DNA # 1074 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03	03:01	03:02:01G	06:03	02:01	02:01	05:01:01G	13:01:01G
16	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01G	13:01:01G
124	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
125	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	NT	NT	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01P	13:01P
144	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02P	06:03P	02:01:01	02:01:04	05:01P	13:01P
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02:01:01G	24:02:01G	35:20:01	44:03:01G	04:01:01G	16:02:01:01	04:07:01G	13:01:01G	NT	NT	NT	NT	03:02:01G	06:03:01G	NT	NT	05:01:01G	13:01:01G
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
185	02:01:01G	24:02:01G	35:20:01	44:03:01G	04:01:01G	16:02:01G	04:07P	13:01P	3*01:01P	4*01:01P	01:03:01G	03:01:01G	03:02P	06:03P	NT	NT	05:01:01G	13:01:01G
188	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01:01	04:07P	13:01P	NT	NT	01:03:01	03:01:01:01	03:02P	06:03P	02:01:01:17	02:01:04	05:01P	13:01P
189	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G
190	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01:01	04:07P	13:01P	NT	NT	NT	NT	03:02P	06:03	NT	NT	05:01P	13:01P
192	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:01:01G	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01G	13:01:01G
195	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02P	06:03	02:01	02:01	05:01P	13:01P
205	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
213	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01P	4*01:01P	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
218	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01					03:02	06:03			05:01	13:01
227	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01G	13:01:01G
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01:01	04:07:01	13:01	3*01:01:02	4*01:03	01:03:01	03:01:01:01	03:02	06:03	02:01:01:17	02:01:04	05:01	13:01
264	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01G	13:01:01G
278	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
279	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
290	02:01:01	24:02:01	35:20:01	44:03:01	NT	NT	04:07:01	13:01:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294	02:01P	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	01:03	03:01	03:02	06:03	NT	NT	05:01P	13:01P
298	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01	13:01
316	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
321	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01P	13:01P
331	02:01:01:01	24:02:01:01	35:20:01	44:03:01	04:01:01	16:02:01:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01G	13:01:01G
340	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01P	13:01P
344	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02:01G	06:03	02:01	02:01	05:01:01G	13:01:01G
349	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
353	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
403	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01G	13:01:01G	NT	NT	NT	NT	03:02:01G	06:03	NT	NT	05:01:01G	13:01:01G
702	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
769	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01P	13:01P
805	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:01P	01:03	03:01	03:02P	06:03	02:01	02:01	05:01	13:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05:01	13:01
1686	02:01:01:01	24:02:01:01	35:20:01	44:03:01	04:01:01	16:02:01:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01G	13:01:01G
2063	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05:01:01G	13:01:01G
2862	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:02	13:01:01	3*01:01:02	NP	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	NT	NT
3325	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G
3410	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	NT	NT	03:02	06:03	NT	NT	05:01	13:01
3438	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01	05:01:01	13:01:01
3582	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
3614	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:01:01G	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G
3625	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
4237	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07P	13:01P	5*01:01P	4*01:03	01:03P	03:01P	03:02P	06:03P	02:01P	02:01P	05:01P	13:01P

Table 16. Individual laboratory results for DNA # 1074 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G
5451	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01P	13:01P
6051	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:03:01	01:03:01	03:01:01	03:02:01G	06:03	02:01:01	02:01:04	05:01:01G	13:01:01G
45452	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02:01G	06:03	02:01	02:01	05:01:01G	13:01:01G
Final Consensus based on High Resolution	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G

Table 17. Individual laboratory results for DNA # 1074 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
151	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	NT	NT	03:02	06:03	NT	NT	05:01	13:01
155	02:01:01G	24:02:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	02:01	24:02	35:20	44:03	04:01:01G	16:02	04:07	13:01	NT	NT	NT	NT	03:02	06:03	NT	NT	NT	NT
176	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G
193	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	NT	NT	03:02	06:03	NT	NT	05:01	13:01
207	02:01:01	24:02:01	35:20:01	44:03:01	04:01:01	16:02:01	04:07:01	13:01:01	3*01:01:02	4*01:01P	01:03:01	03:01:01	03:02:01	06:03:01	02:01:01	02:01:04	05:01:01	13:01:01
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:01	03:02	06:03	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	03:01	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:01	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
292	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	NT	NT	03:02	06:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	NT	NT	NT	NT	03:02	06:03	NT	NT	NT	NT
317	02:01	24:02	35:20	44:03	04:01	16:01	04:07	13:01	3*01:01	4*01:01	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	02:01P	24:02P	35:20P	44:03P	04:01P	16:02P	04:07P	13:01P	NT	NT	NT	NT	03:02P	06:03P	NT	NT	05:01P	13:01P
2015	02:01P	24:02P	35:20:01	44:03P	04:01P	16:02P	04:07P	13:01P	NT	NT	NT	NT	03:02P	06:03P	NT	NT	05:01P	13:01P
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05:01P	13:01P
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4420	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	NT	01:03	03:01	03:02	06:03	02:01	02:01	05:01	13:01
4585	NT	NT	35:20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02:01	24:02	35:20	44:03	04:01	16:02	04:07	13:01	3*01:01	4*01:03	01:03	03:01	03:02	06:03	02:01	02:01	05:01:01G	13:01:01G

Table 18. Individual laboratory results for DNA # 1074 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
138	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
144	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
147	02	24	35	44	04	16	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
162	02	24	35	44	04	16	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
189	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	NT	NT
190	02	24	35	44	04	16	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
192	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
195	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
199	NT	NT	NT	NT	NT	NT	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
205	11	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
228	02	24	35	44	04	16	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	03	03	06	NT	NT	NT	NT
242	02	24	35	44	04	16	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
245	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	02	02	05	13
252	02	24	35	44	04	16	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
255	02	24	35	44	NT	NT	04	13	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
265	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
266	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	02	02	05	13
267	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
278	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
279	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
280	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	NT	NT
282	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
288	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
292	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
293	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	02	02	NT	NT
294	02	24	35	44	04	16	04	13	3*01	4*01	NT	NT	03	06	NT	NT	05	13
304	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	02	02	05	13
329	02	24	35	44	04	12	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
336	02	24	35	44	04	16	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
339	02	24	35	44	04	16	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
340	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
349	02	24	35	44	04	16	04	13	3*01	4*01	NT	NT	03	06	NT	NT	NT	NT
350	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	02	02	05	13
353	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
402	02	24	35	44	04	16	04	13	NT	NT	NT	NT	03	06	NT	NT	05	13
615	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	NT	NT
702	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13

Table 18. Individual laboratory results for DNA # 1074 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
714	02	24	35	44	04	16	04	13	NT	NT	NT	NT	03	06	NT	NT	05	13
726	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
732	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
805	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	NT	NT
1251	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
2518	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
3438	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
3600	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	13	3*01	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
4237	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	02	02	05	13
4420	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
4582	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
4585	02	24	35	44	04	16	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
8050	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
9221	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	02	24	35	44	04	16	04	13	3*01	4*01	01	03	03	06	02	02	05	13

Table 19. Individual laboratory results for DNA # 1075 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01G	5*01:01:01	5*01:02	01:01	01:02	05:01:01G	05:02:01G	02:02	04:01	01:01:01	02:01:02
16	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
124	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01	05:02	02:02:02	04:01:01	01:01:01	02:01:02
125	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	NT	NT	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	02:01
138	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02P	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
144	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02P	5*01:01:01	5*01:02	01:01P	01:02:02	05:01P	05:02P	02:02:02	04:01:01	01:01:01	02:01:02
147	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
148	24:07:01	24:07:01	07:06:01:01	40:02:01G	07:02:01G	07:02:01G	15:01:01G	15:02:01G	NT	NT	NT	NT	05:01:24	05:02:01G	NT	NT	01:01:01G	02:01:02:38
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	162:01	461:01
185	24:07:01	24:07:01	07:05:01G	40:02:01G	07:02:01G	07:02:01G	15:01P	15:02P	5*01:01P	5*01:02	01:01:01G	01:02:01G	05:01P	05:02P	NT	NT	01:01:01G	02:01:02G
188	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01P	15:02P	NT	NT	01:01:01:07	01:02:02:01	05:01P	05:02P	02:02P	04:01:01	01:01:01	02:01:02:38
189	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01:01G	02:01:02G
190	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01P	15:02:01	NT	NT	NT	NT	05:01:24	05:02	NT	NT	01:01:01	02:01P
192	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
213	NT	NT	NT	NT	NT	NT	NT	NT	5*01:01	5*01:02	NT	NT	NT	NT	NT	NT	NT	NT
218	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	02:01
227	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01	NEW	NEW
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01	15:02:01	5*01:01:01	5*01:02	01:01:01:07	01:02:02:01	05:01:24	05:02	02:02:02	04:01:01	01:01:01	02:01:02
264	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01G	02:01:02G
278	24:02	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02	04:01	NT	NT
290	24:07:01	24:07:01	07:06:01:01	40:02:01	NT	NT	15:01:01	15:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	162:01	461:01
316	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
321	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
331	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	162:01	461:01
340	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01P	01:02:02	05:01	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
344	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02:01G	5*01:01	5*01:02	01:01	01:02	05:01:01G	05:02:01G	02:02	04:01	01:01	02:01
349	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
353	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
403	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01G	15:02:01	NT	NT	NT	NT	05:01:24	05:02	NT	NT	01:01:01	02:01:02G
702	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02:01G	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
769	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
805	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
1251	24:07	24:07	07:05:01G	40:02:01G	07:02:01G	07:02:01G	15:01:01G	15:02:01G	5*01:01:01G	5*01:02:01G	NT	NT	05:01:01G	05:02:01G	NT	NT	01:01:01G	02:01:02G
1686	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	162:01	461:01
2063	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01:01G	02:01:02G
2862	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	NT	NT	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
3325	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01:01G	02:01:02G
3410	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	02:01
3438	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:01	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
3582	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02:01G	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
3614	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02:01G	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
3625	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	NT	NT
4237	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01P	15:02P	5*01:01P	5*01:02	01:01P	01:02P	05:01P	05:02P	02:02P	04:01	01:01:01	02:01:02

Table 19. Individual laboratory results for DNA # 1075 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01:01G	02:01:02G
5451	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01	01:01:01	02:01:02
6051	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02:01G	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01	162:01	NEW
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	24:07:01	24:07:01	07:06	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01G	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:01G	05:02:01G	02:02:02	04:01:01	01:01:01	02:01:02
45452	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02:01G	5*01:01	5*01:02	01:01	01:02	05:01:01G	05:02:01G	02:02	04:01	01:01	02:01
Final Consensus based on High Resolution	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	NG	NG

Table 20. Individual laboratory results for DNA # 1075 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
151	24:07	24:07	07:06	40:02	07:02	07:02	15:01:01:01	15:02:01G	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	02:01
155	24:07	24:07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	24:07	24:07	07:05:01G	40:02	07:02	07:02	15:01	15:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
176	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	NT	NT	01:01	01:02	05:01	05:02	02:02	04:01	01:01:01G	02:01:02G
193	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	NT	NT	NT	NT	05:01	05:02	NT	NT	01:01	02:01
207	24:07:01	24:07:01	07:06:01:01	40:02:01	07:02:01	07:02:01	15:01:01	15:02:01	5*01:01:01	5*01:02	01:01:01	01:02:02	05:01:24	05:02:01	02:02:02	04:01:01	01:01:01	02:01:02
239	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	05:01	05:02	NT	NT	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	24:07	24:07	07:05	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:07	04:01	01:01	02:01
292	24:07	24:07	07:06	40:02	07:01	07:02	15:01	15:02	NT	NT	NT	NT	05:01	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	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	NT	NT	NT	NT	05:01	05:02	NT	NT	NT	NT
317	24:02	24:07	07:02	40:02	07:01	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	24:07	24:07	07:05P	40:02P	07:02P	07:02P	15:01P	15:02P	NT	NT	NT	NT	05:01P	05:02P	NT	NT	01:01P	02:01P
2015	24:07	24:07	07:05P	40:02P	07:02P	07:02P	15:01P	15:02P	NT	NT	NT	NT	05:01P	05:02P	NT	NT	01:01P	02:01P
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	02:01P
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4420	NT	NT	NT	40:02	07:02	07:02	NT	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	01:01	02:01
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	24:07	24:07	07:06	40:02	07:02	07:02	15:01	15:02	5*01:01	5*01:02	01:01	01:02	05:01	05:02	02:02	04:01	NG	NG

Table 21. Individual laboratory results for DNA # 1075 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	24	24	07	40	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	01	02(DP201)
138	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
144	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
162	24	24	07	40	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
189	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	NT	NT
190	24	24	07	40	07	07	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
192	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
195	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
199	NT	NT	NT	NT	NT	NT	01	15	5*PRESENT	5*PRESENT	NT	NT	05	06	NT	NT	NT	NT
205	11	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
215	NT	NT	NT	NT	NT	NT	15	15	5*PRESENT	NP	NT	NT	05	05	NT	NT	NT	NT
227	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
228	24	24	07	40	07	07	15	15	5*PRESENT	5*PRESENT	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
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	02	04	01	02(DP201)
252	24	24	07	40	07	07	15	15	5*PRESENT	5*PRESENT	01	01	05	05	NT	NT	NT	NT
255	24	24	07	40	NT	NT	15	15	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
265	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
266	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	02	04	01	02(DP201)
267	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
278	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
279	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
280	24	24	07	40	07	07	15	15	5*01	NP	01	01	05	05	02	04	01	02(DP201)
282	24	24	07	40	07	07	15	15	NT	NT	01	01	05	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	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
288	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
292	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
293	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	02	04	NT	NT
294	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	01	02(DP201)
304	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	02	04	01	02(DP201)
329	24	NT	07	40	07	NT	15	NT	5*PRESENT	NT	01	NT	05	NT	NT	NT	NT	NT
336	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
339	24	24	07	40	07	07	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
340	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
349	24	24	07	40	07	07	15	15	5*01	5*01	NT	NT	05	05	NT	NT	NT	NT
350	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	02	04	01	02(DP201)
353	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
402	24	24	07	40	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	01	02(DP201)
615	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	NT	NT
702	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)

Table 21. Individual laboratory results for DNA # 1075 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
714	24	24	07	40	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	01	02(DP201)
726	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
732	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
805	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	NT	NT
1251	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
2518	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
3438	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
3600	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	NT	NT
3849	NT	NT	NT	NT	NT	NT	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
4237	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	02	04	01	02(DP201)
4420	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
4582	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
4585	24	24	07	40	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
8050	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
9221	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	24	24	07	40	07	07	15	15	5*01	5*01	01	01	05	05	02	04	01	02(DP201)

Table 22. Individual laboratory results for DNA # 1076 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01G	15:02:01G	5*01:01:01	5*01:01:01	01:02	01:02	05:02:01G	05:02:01G	02:02	02:02	01:01:01	05:01:01
16	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
124	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02	15:02	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02	05:02	02:02:02	02:02:02	01:01:01	05:01
125	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	NT	NT	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	05:01
138	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
144	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02P	15:02P	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
147	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
148	11:01:01G	34:01:01:01	15:02:01G	15:21:01:01	04:03:01:01	08:01:01G	15:02:01G	15:02:01G	NT	NT	NT	NT	05:02:01G	05:02:01G	NT	NT	01:01:01G	05:01:01G
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
185	11:01:01G	34:01:01G	15:02:01G	15:21:01G	04:03:01G	08:01:01G	15:02P	15:02P	5*01:01P	5*01:01P	01:02:01G	01:02:01G	05:02P	05:02P	NT	NT	01:01:01G	05:01:01G
188	11:01:01	34:01:01:01	15:02:01	15:21:01:01	04:03:01:01	08:01:01	15:02P	15:02P	NT	NT	01:02:01	01:02:01	05:02P	05:02P	02:02P	02:02P	01:01:01	05:01P
189	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
190	11:01:01	34:01:01:01	15:02:01	15:21:01:01	04:03:01:01	08:01:01	15:02P	15:02P	NT	NT	NT	NT	05:02	05:02	NT	NT	01:01:01	05:01P
192	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	NT	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01G
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
205	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	NP	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
213	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
218	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	01:01	05:01
227	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
240	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	11:01:01	34:01:01:01	15:02:01	15:21:01:01	04:03:01:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02	05:02	02:02:02	02:02:02	01:01:01	05:01
264	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
278	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:01	02:02	01:01	05:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	11:01:01	34:01:01	15:02:01	15:21:01	NT	NT	15:02:01	15:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
316	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
321	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
331	11:01:01:01	34:01:01:01	15:02:01	15:21:01:01	04:03:01:01	08:01:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
340	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
344	11:01	34:01	15:02	15:21	04:03	08:01	15:02:01G	15:02:01G	5*01:01	5*01:01	01:02	01:02	05:02:01G	05:02:01G	02:02	02:02	01:01	05:01:01G
349	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
353	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
403	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01G	15:02:01G	NT	NT	NT	NT	05:02	05:02	NT	NT	01:01:01	05:01:01G
702	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
769	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
805	11:01	34:01	15:02	15:21	04:03	08:01	15:02P	15:02P	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
1251	11:01:01G	34:01:01G	15:02:01G	15:21:01G	04:03:01G	08:01:01G	15:02:01G	15:02:01G	5*01:01:01G	5*01:01:01G	NT	NT	05:02:01G	05:02:01G	NT	NT	01:01:01G	05:01:01G
1686	11:01:01:01	34:01:01:01	15:02:01	15:21:01:01	04:03:01:01	08:01:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
2063	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01:01G	05:01:01G
2862	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
3325	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
3410	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	01:01	05:01
3438	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
3582	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
3614	11:01	34:01	15:02	15:21	04:03	08:01	15:02:01G	15:02:01G	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01:01G
3625	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
4237	11:01:01	34:01:01:01	15:02:01	15:21:01:01	04:03:01	08:01:01	15:02P	15:02P	5*01:01	NT	01:02P	01:02P	05:02P	05:02P	02:02P	02:02P	01:01:01	05:01P

Table 22. Individual laboratory results for DNA # 1076 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4545	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4582	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
5451	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
6051	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
14982	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01G	15:02:01G	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01G	05:02:01G	02:02:02	02:02:02	01:01:01	05:01:01G
45452	11:01	34:01	15:02	15:21	04:03	08:01	15:02:01G	15:02:01G	5*01:01	5*01:01	01:02	01:02	05:02:01G	05:02:01G	02:02	02:02	01:01	05:01:01G
Final Consensus based on High Resolution	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01

Table 23. Individual laboratory results for DNA # 1076 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
151	11:01	34:01	15:02	15:21	04:03	08:01	15:02:01G	15:02:01G	NT	NT	NT	NT	05:02	05:02	NT	NT	01:01	05:01
155	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	NT	NT
176	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
193	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	01:01	05:01
207	11:01:01	34:01:01	15:02:01	15:21:01	04:03:01	08:01:01	15:02:01	15:02:01	5*01:01:01	5*01:01:01	01:02:01	01:02:01	05:02:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
239	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
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	11:01	34:01	15:02	15:02	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:07	01:01	05:01
292	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	NT	NT	05:02	05:05	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	34:01	15:02	15:21	04:03	08:01	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	NT	NT
317	11:01	34:01	15:02	15:21	04:03	08:01	15:01	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:05	02:02	02:02	01:01	05:01
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	11:01P	34:01P	15:02P	15:21	04:03P	08:01P	15:02P	15:02P	NT	NT	NT	NT	05:02P	05:02P	NT	NT	01:01P	05:01P
2015	11:01P	34:01P	15:02P	15:21:01	04:03P	08:01P	15:02P	15:02P	NT	NT	NT	NT	05:02P	05:02P	NT	NT	01:01P	05:01P
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	05:01P
3849	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4420	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01
4585	NT	NT	NT	15:21	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	11:01	34:01	15:02	15:21	04:03	08:01	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	01:01	05:01

Table 23. Individual laboratory results for DNA # 1076 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	11	34	15	15	04	08	15	15	NT	NT	NT	NT	05	05	NT	NT	01	05
138	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
144	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
162	11	34	15	15	04	08	15	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
189	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	NT	NT
190	11	34	15	15	04	08	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
192	11	34	15	15	04	08	15	15	5*01	NT	01	01	05	05	02	02	01	05
195	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
199	NT	NT	NT	NT	NT	NT	09	15	5*PRESENT	5*PRESENT	NT	NT	05	NT	NT	NT	NT	NT
205	11	34	15	15	04	08	15	15	5*01	NP	01	01	05	05	02	02	01	05
207	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
213	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
228	11	34	15	15	04	08	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
239	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
245	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	02	02	01	05
252	11	34	15	15	04	08	15	15	5*PRESENT	5*PRESENT	01	01	05	05	NT	NT	NT	NT
255	11	34	15	15	NT	NT	15	15	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
265	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
266	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	02	02	01	05
267	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
278	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	11	34	15	15	04	08	15	15	5*01	NP	01	01	05	05	02	02	01	05
282	11	34	15	15	04	08	15	15	NT	NT	01	01	05	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	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
288	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
292	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
293	11	34	15	15	04	08	15	15	NT	NT	01	05	05	05	01	02	NT	NT
294	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	01	05
304	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	11	34	15	15	02	08	15	15	NT	NT	01	03	05	05	02	02	01	05
329	11	34	15	NT	04	08	15	NT	5*PRESENT	NT	01	NT	05	NT	NT	NT	NT	NT
336	11	34	15	15	04	08	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
339	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
340	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
349	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	02	02	01	05
353	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
402	11	34	15	15	04	08	15	15	NT	NT	NT	NT	05	05	NT	NT	01	05
615	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	NT	NT
702	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05

Table 23. Individual laboratory results for DNA # 1076 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
714	11	34	15	15	04	08	15	15	NT	NT	NT	NT	05	05	NT	NT	01	05
726	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
732	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
805	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	NT	NT
1251	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
2518	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
3438	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
3600	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	NT	NT
3849	NT	NT	NT	NT	NT	NT	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
4237	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	02	02	01	05
4420	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
4582	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
4585	11	34	15	15	04	08	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
8050	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
9221	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus	11	34	15	15	04	08	15	15	5*01	5*01	01	01	05	05	02	02	01	05

Table 25. Individual laboratory results for DNA # 1071 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments
192	01:01/01:09/01:12/01:13/01:14/01:15/01:118	01:03/01:06/01:10/01:11	NT	NT	NT	NT	NT	NT	004:01/028	004:01/028	NGS-INH	
227	01:01:01	01:03:05	01:01:01	01:01:02	01:01:02	01:01:03	01:02:01	02:07:01	004:01	004:01	NGS-CareDx AlloSeq Tx17 lot:21-1750	
331	01:01:01:01	01:03:05:01	01:01:01:08	01:01:02:09	01:01:02:01	01:01:03:03	01:02:01:01	02:07:01:01	004:01	004:01	AlloSeq Tx17	MICB confirmed homozygous by sequence dosage.
1686	01:01:01--	01:03:05:01	01:01:01:08	01:01:02:09	01:01:02:01	01:01:03:03	01:02:01:01	02:07:01:01	004:01	004:01	AlloSeq Tx17	HLA-E:*01:01:01:01 or *01:01:01:20
3325	01:01:01	01:03:05	01:01:01	01:01:02	01:01:02	01:01:03	01:02:01	02:07:01	004:01	004:01	AlloSeq Tx17	

Table 26. Individual laboratory results for DNA # 1072 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments
192	01:01/01:09/01:12/01:13/01:14/01:15/01:118	01:03:02G	NT	NT	NT	NT	NT	NT	003:01/005:02/005:08/006/010	003:01/005:02/005:08/006/010	NGS-INH	
227	01:01:01	01:03:02	01:01:01	01:01:02	01:01:01	01:01:02	01:01:01	02:05:01	005:02	005:02	NGS-CareDx AlloSeq Tx17 lot:21-1750	
331	01:01:01:--	01:03:02:--	01:01:01:01	01:01:02:08	01:01:01:01	01:01:02:01	01:01:01:01	02:05:01:01	005:02	005:02	AlloSeq Tx17	MICB confirmed homozygous by sequence dosage. HLA-E ambiguity: 01:01:01:01+01:03:02:06 or 01:01:01:03+01:03:02:01
1686	01:01:01--	01:03:02:--	01:01:01:--	01:01:02:08	01:01:01:01	01:01:02:01	01:01:01:01	02:05:01:01	005:02	005:02	AlloSeq Tx17	HLA-F: 01:01:01:01 OR 01:01:01:17 HLA-E: 01:01:01:01 +E*01:01:01:03+E01:03:02:01 =E*01:01:01:20+E*01:03:02:06
3325	01:01:01	01:03:02	01:01:01	01:01:02	01:01:01	01:01:02	01:01:01	02:05:01	005:02	005:02	AlloSeq Tx17	

Table 27. Individual laboratory results for DNA # 1073 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments
192	01:01/01:09/01:12/01:13/01:14/01:15/01:118	01:01/01:09/01:12/01:13/01:14/01:15/01:118	NT	NT	NT	NT	NT	NT	003:01/005:02/005:08/005:11/006/010	008:01/035/037/045N	NGS-INH	
227	01:01:01	01:01:01	01:01:01	01:01:02	01:01:01	01:03:01	01:01:01	02:12	005:02	008:01	NGS-CareDx AlloSeq Tx17 lot:21-1750	
331	01:01:01:01	01:01:01:01	01:01:01:01	01:01:02:07	01:01:01:01	01:03:01:02	01:01:01:1	02:12	005:02	008:01	AlloSeq Tx17	HLA-E confirmed homozygous by sequence dosage.
1686	01:01:01:--	01:01:01:--	01:01:01:--	01:01:02:--	01:01:01:01	01:03:01:02	01:01:01:01	02:12	005:02	008:01	AlloSeq Tx17	
3325	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	01:03:01	01:01:01	02:12	005:02	008:01	AlloSeq Tx17	

Table 28. Individual laboratory results for DNA # 1074 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments
192	01:01/01:09/01:12/01:13/01:14/01:15/01:18	01:03:02G	NT	NT	NT	NT	NT	NT	003:01/005:02/005:08/006/010	003:01/005:02/005:08/006/010	NGS-INH	
227	01:01:01	01:03:02	01:01:01	01:01:01	01:01:01	01:04:01	01:01:01	DEL	005:02	005:02	NGS-CareDx Alloseq Tx17 lot:21-1750	
331	01:01:01:--	01:03:02:--	01:01:01:01	01:01:01:09	01:01:01:01	01:04:01:01	01:01:01:01	DEL	005:02	005:02	AlloSeq Tx 17	HLA-H confirmed hemizygous by sequence dosage. MICB confirmed homozygous by sequence dosage. HLA-E ambiguity: 01:01:01:01+01:03:02:06 or 01:01:01:03+01:03:02:01
1686	01:01:01:--	01:03:02:--	01:01:01:--	01:01:01:09	01:01:01:01	01:04:01:01	01:01:01:01	DEL	005:02	005:02	AlloSeq Tx17	HLA-F: 01:01:01:01 OR 01:01:01:17 HLA-E: 01:01:01:01+E*01:01:01:03 + E*01:03:02:01 = E*01:01:01:20 + E*01:03:02:06
3325	01:01:01	01:03:02	01:01:01	01:01:01	01:01:01	01:04:01	01:01:01	01:01:01	005:02	005:02	AlloSeq Tx17	

Table 29. Individual laboratory results for DNA # 1075 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments
192	01:01/01:09/01:12/01:13/01:14/01:15/01:18	01:01/01:09/01:12/01:13/01:14/01:15/01:118	NT	NT	NT	NT	NT	NT	004:01/028	005:03	NGS-INH	
227	01:01:01	01:01:01	01:01:01	01:01:01	01:04:01	01:04:01	DEL	DEL	004:01	005:03	NGS-CareDx Alloseq Tx17 lot:21-1750	
331	01:01:01:01	01:01:01:01	01:01:01:09	01:01:01:09	01:04:01:01	01:04:01:01	DEL	DEL	004:01	005:03	AlloSeq Tx 17	HLA-H absent (consistent with expectation for 2x HLA-A*24 alleles). HLA-E, -F, & -G confirmed homozygous by copy number.
1686	01:01:01:--	01:01:01:--	01:01:01:09	01:01:01:09	01:04:01:01	01:04:01:01	DEL	DEL	004:01	005:03	AlloSeq Tx17	HLA-E: 01:01:01:01 OR 01:01:01:20
3325	01:01:01	01:01:1	01:01:01	01:01:01	01:04:01	01:04:01	NP	NP	004:01	005:03	AlloSeq Tx17	

Table 30. Individual laboratory results for DNA # 1076 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments
192	01:03/01:06/01:10/01:11	01:03/01:06/01:10/01:11	NT	NT	NT	NT	NT	NT	002:01/002:03/018:01	003:01/005:02/005:08/006/010/019:01/038	NGS-INH	
227	01:03:01	01:10:01	01:01:01	01:01:01	01:01:03	01:XX(1 MM in E4-705bp G>A)	02:27	02:XX(1 MM in E4-813bp G>A)	002:01	005:02	NGS-CareDx Alloseq Tx17 lot:21-1750	
331	01:03:01:01	01:10:01:01	01:01:01:-- (NEW)	01:01:01:22	01:01:03:03	01:--(NEW)	02:27	02:-- (NEW)	002:01	005:02	AlloSeq Tx 17	HLA-F (Novel allele), closest to F*01:01:01:01/01:01:01:17, mismatch in intron 5, nt.425 C>G. HLA-G (Novel allele), closest to G*01:20, mismatch in exon 3, nt.262. C>T (ACG to ATG. Mature codon 178.2, Thr >Met). Note incomplete reference sequence available for G*01:20. HLA-H (Novel allele), closest to H*02:07:01:01, mismatch in exon 4, nt.194. G>A (TGG>TGA mature amino acid position 271.3. Trp > STOP).
1686	01:03:01:01	01:10:01:01	01:01:01:--	01:01:01:--	02:--:--:--	01:--:--:--	02:27	02:-- (NEW)	002:01	005:02	AlloSeq Tx17	HLA-G: G*01:01:03:03 or G*01:20 and new allele, ref. G* 01:20, Exon 3 cDNA 178.2 ACG >ATG, THR > MET HLA-H: New allele, ref. 02:07:01 :01, Exon 4 cDNA 271.3 TGG > TGA, TRP > STOP
3325	01:03:01	01:10:01	01:01:01	01:01:01	NT	NT	NT	NT	002:01	005:02	AlloSeq Tx17	

DNA Exchange - 175 Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
7	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
16	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
124	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
125	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG
134	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SSP-OLE
138	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
144	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
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
155	SBT-LT								
158	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD
162	SBT-BS	SBT-BS	SBT-BS	SBT-BS			SBT-BS		
173	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
176	SBT-INH	SBT-INH	SBT-INH	SBT-INH		SBT-INH	SBT-INH	SBT-INH	SBT-INH
185	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH		NGS-INH
188	NGS-GIL SSO-OL	NGS-GIL SSO-OL	NGS-GIL SSP-OLE	NGS-GIL SBT-ACT SSP-OLE		NGS-GIL	NGS-GIL SSO-OL SSP-OLE	NGS-GIL	NGS-GIL SSP-OLE
189	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
190	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
192	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH	NGS-GIL-INH
193	SBT-SC SSO-LUM-OL SSP-SC	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL	SBT-SC SSO-LUM-OL			SBT-SC SSO-LUM-OL		SBT-SC 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	Other-Others				SSP-OLE				
213	NGS-HM	NGS-HM	NGS-HM	NGS-HM SSP-OLE	NGS-HM SSP-OLE	NGS-HM	NGS-HM	NGS-HM	NGS-HM
218	NGS-INH	NGS-INH	NGS-INH	NGS-INH			NGS-INH		NGS-INH
227	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
239		SSP-OL				SSP-OL	SSP-OL		
240	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL		SSP-OL	NGS-GD SSP-OL		NGS-GD
242						SSP-OLE			
258	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC	NGS-GD SSO-LC
262				SSP-OLE		SSO-OLE SSP-OLE	SSP-OLE		
264	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG
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
279	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX	SSP-OLE	NGS-OMX SSP-OLE
290	NGS-OL	NGS-OL		NGS-OL					
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
294	NGS-OMX SBT-INH	NGS-OMX SBT-INH	NGS-OMX SBT-INH	NGS-OMX SBT-INH		NGS-OMX	NGS-OMX		NGS-OMX
298	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17	NGS-OL-Tx17
311						SSP-OLE			
313	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
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
321	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
331	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
340	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
344	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
349	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
353	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
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
702	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
714	SBT-GIL	SBT-GIL	SBT-GIL-SC	SBT-SC			SBT-SC		SBT-LUM-OL SSO-LUM-OL
726	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
769	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
805	NGS-GIL			NGS-GIL					
1251	NGS-OL SBT-PRO	NGS-OL SBT-PRO	NGS-OL SBT-PRO	NGS-OL SBT-PRO	NGS-OL SBT-PRO	NGS-OL	NGS-OL SBT-PRO	NGS-OL	NGS-OL SBT-PRO SSO-IMM
1686	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
2015	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL			SBT-GD SSO-OL SSP-GV-OLE		SBT-GD SSO-OL
2063	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
2518									NGS-GIL SSO-OL
2862	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX	NGS-IL-OMX
3325	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
3410	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SSO-OL			NGS-GIL SSO-OL		NGS-GIL SSO-OL
3438	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3582	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3600									rtPCR-LB
3614	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
3625	NGS-OL	NGS-OL-Tx8	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3849				SBT-OL			SBT-OL		
4237	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	SSP-OLE	SSO-IMM SSP-OLE	NGS-GIL	SSO-IMM	NGS-GIL
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK
4582	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
4585		SSO-LUM		SSO-LUM					
5451	NGS-IL SBT-INH	NGS-IL	NGS-IL	NGS-IL SBT-INH	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-Tx17	NGS-OL	NGS-OL	NGS-OL SBT-SC	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL

DNA Exchange - 175 Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
134	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE	SSP-OLE	SSO-OL	SSO-OL SSP-OLE		SSP-OLE
138	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ
144	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
147	SSP-OLE rtPCR-CQ	SSP-OLE rtPCR-CQ	SSP-OLE rtPCR-CQ	SSP-OLE rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	SSP-OLE rtPCR-CQ	rtPCR-CQ	rtPCR-CQ
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		
189	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
190	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-LC-OLE
192	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
195	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
199				SSP-OL	SSP-OL		SSP-OL		
205	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
207	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
213	Other-Others SSP-INN	Other-Others SSP-INN	Other-Others SSP-INN	Other-Others SSP-INN-OLE		Other-Others SSP-INN	Other-Others SSP-INN	Other-Others SSP-INN	Other-Others SSP-INN
215	SSP-BR	SSP-BR	SSP-BR	SSP-OLE	SSP-OLE		SSP-OLE		
227	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
228	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
239		SSP-OL				SSP-OL	SSP-OL		
242	SSP-OL-OLE	SSP-OL-OLE	SSP-OL-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
245	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS		SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL rtPCR-LS
252	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT
255	SSO-OL	SSO-OL		SSO-OL					
262	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
265	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSO-OL	SSO-OL	SSP-OL	SSO-OL	SSP-OL
266	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
267	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL
279	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB-OLE	SSP-LB	SSP-LB	SSP-LB-OLE	SSP-LB	SSP-LB
280	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
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		
288	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG		SSO-BAG	SSO-BAG		
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
293	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM	SSO-IMM	
294	Other-Others SSO-IMM SSP-LS-OLE	Other-Others SSO-IMM SSP-LS-OLE	Other-Others SSO-IMM SSP-LS-OLE	Other-Others SSO-IMM SSP-LS-OLE	SSP-OLE	SSO-IMM SSP-LS	Other-Others SSO-IMM SSP-LS-OLE		SSP-LS-OLE
304	SSO-GTI	SSO-GTI	SSO-GTI	SSO-GTI		SSO-GTI	SSO-GTI		
311	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
318	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
329	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT	SSP-INT		
336	Other-Others SSP-BAG-WAK	Other-Others SSP-BAG	Other-Others SSP-BAG	Other-Others SSP-BAG	Other-Others SSP-BAG	Other-Others	Other-Others SSP-BAG	Other-Others	Other-Others
339	SSP-INT	SSP-INT	SSP-INT	SSP-INT		SSP-INT	SSP-INT	SSP-INT	SSP-INT
340	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
349	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE		
350	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
353	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSP-OL		SSP-OL	SSO-OL	SSO-OL
402	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		SSO-OL
615	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
702	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
714	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL			SSO-LUM-OL		SSO-LUM-OL
726	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS	rtPCR-LS
732	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
805	SSO-IMM			SSO-IMM					
1251	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
2518	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
3438	SSO-LC	SSO-LC	SSO-LC	SSO-LC		SSO-LC	SSO-LC		
3600	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	
3849				SSO-INH	SSO-INH		SSO-INH		
4237	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK
4582	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
4585	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
8050	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ
9221	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE
	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
9222	SSO-LUM								