

UCLA INTERNATIONAL HLA DNA EXCHANGE—179TH SUMMARY



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DNA Sample	
#1095	#1098
#1096	#1099
#1097	#1100

DNA #1095 MIXED

The consensus type for this sample from a Mixed donor is A*02:01-A*30:01-B*14:02-B*39:06-C*07:02-C*08:02-DRB1*07:01-DRB1*08:01-DRB4*01:03-DQA1*02:01-DQA1*04:01-DQB1*02:02-DQB1*04:02-DPA1*02:01-DPB1*10:01-DPB1*131:01.

The likely class I associations for this cell are A*02:01-B*39:06-C*07:02 and A*30:01-B*14:02-C*08:02, with respective frequencies of HF=0.00329 and HF=0.00076, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1095 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9. The results for DNA #1095 HLA-E, -F, -G, -H, and MICB data can be found on Table 25.

DNA #1096 HISPANIC

The consensus type for this sample from a Hispanic donor is A*01:01-A*68:03-B*15:17-B*35:43-C*01:02-C*07:01-DRB1*04:07-DRB1*13:02-DRB3*03:01-DRB4*01:03-DQA1*01:02-DQA1*03:01-DQB1*03:02-DQB1*06:04-DPA1*01:03-DPB1*04:01:01G-DPB1*04:02P.

The likely class II associations in this cell are DRB1*04:07-DQB1*03:02 and DRB1*13:02-DQB1*06:04, with respective frequencies of HF=0.05700 and HF=0.02736, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1096 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12. The results for DNA #1096 HLA-E, -F, -G, -H, and MICB data can be found on Table 26.

DNA #1097 FILIPINO

The consensus type for this sample from a Filipino donor is A*23:01-A*34:01-B*51:01-B*57:02-C*04:01-C*18:02-DRB1*04:05-DRB4*01:03-DQA1*03:03-DQB1*03:02-DQB1*04:01-DPA1*02:01-DPA1*02:02-DPB1*01:01.

The likely class II associations for this cell are DRB1*04:05-DQB1*03:02 and DRB1*04:05-DQB1*04:01, with respective frequency of HF=0.00175 and HF=0.04545, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1097 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15. The results for DNA #1097 HLA-E, -F, -G, -H, and MICB data can be found on Table 27.



DNA Sample	
#1095	#1098
#1096	#1099
#1097	#1100

DNA #1098 CAUCASIAN

The consensus type for this sample from an Caucasian donor is A*02:01-A*03:01-B*44:02-B*47:01-C*05:01-C*06:02-DRB1*04:01-DRB1*07:01-DRB4*01:01-DRB4*01:03-DQA1*02:01-DQA1*03:03-DQB1*02:02-DQB1*03:01-DPA1*01:03-DPA1*02:02-DPB1*01:01-DPB1*04:01.

The likely class I associations in this cell are A*02:01-B*44:02-C*05:01 and A*03:01-B*47:01-C*06:02, with respective frequencies of HF=0.5370 and HF=0.00199, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1098 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18. The results for DNA #1098 HLA-E, -F, -G, -H , and MICB data can be found on Table 28.

DNA #1099 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A*01:01-A*02:01-B*07:04-B*27:05-C*02:02-C*07:02-DRB1*04:04-DRB1*15:01-DRB4*01:03-DRB5*01:01-DQA1*01:02-DQA1*03:01-DQB1*03:02-DQB1*06:02-DPA1*01:03-DPA1*02:07-DPB1*04:01:01G-DPB1*19:01.

The likely class II associations in this cell are DRB1*04:04-DQB1*03:02 and DRB1*15:01-DQB1*06:02, with respective frequencies of HF=0.03557 and HF=0.14155, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1099 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21. The results for DNA #1099 HLA-E, -F, -G, -H , and MICB data can be found on Table 29.

DNA #1100 HISPANIC

The consensus type for this sample from a Hispanic donor is A*24:02-A*32:01-B*40:02-B*44:02-C*03:06-C*05:01-DRB1*08:02-DRB1*13:01-DRB3*02:02-DQA1*01:03-DQA1*04:01-DQB1*04:02-DQB1*06:03-DPA1*01:03-DPB1*04:01:01G-DPB1*04:02:01G.

The likely class I associations in this cell are A*24:02-B*44:02-C*03:06 and A*32:01-B*44:02-C*05:01, with respective frequencies of HF=0.00355 and HF=0.00032, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1100 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24. The results for DNA #1100 HLA-E, -F, -G, -H , and MICB data can be found on Table 30.

ACKNOWLEDGMENTS:

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Posted online on November 30, 2023

Table 1. Summary of the 179th DNA Exchange (DNA #1095)

A		B				C					
67 labs High / 56 labs Low		% (n)		66 labs High / 56 labs Low		% (n)		65 labs High / 53 labs Low		% (n)	
A*02:01:01	59(39)	A*30:01:01:01	9 (6)	B*14:02:01:03	8 (5)	B*39:06:02	56(37)	C*07:02:01	57(37)	C*08:02:01	58(37)
A*02:01:01G	4 (3)	A*30:01:01	49(33)	B*14:02:01	50(33)	B*39:06:02G	3 (2)	C*07:02:01G	5 (3)	C*08:02:01G	3 (2)
A*02:01P	3 (2)	A*30:01:01G	3 (2)	B*14:02:01G	4 (3)	B*39:06P	3 (2)	C*07:02P	3 (2)	C*08:02P	3 (2)
A*02:01	33(22)	A*30:01P	3 (2)	B*14:02P	3 (2)	B*39:06	38(25)	C*07:02	35(23)	C*08:02	36(23)
A*02	100(56)	A*30:01	36(24)	B*14:02	35(23)	B*39	100(56)	C*07	100(53)	C*08	100(53)
		A*30	100(56)	B*14	100(56)						

DRB1		DRB3/4/5				DQA1					
68 labs High / 58 labs Low		% (n)		47 labs High / 34 labs Low		% (n)		56 labs High / 46 labs Low		% (n)	
DRB1*07:01:01	50(34)	DRB1*08:01:01	47(32)	DRB4*01:03:01	49(23)			DQA1*02:01:01	59(33)	DQA1*04:01:01	59(33)
DRB1*07:01:01G	4 (3)	<i>DRB1*08:02:01</i>	1 (1)	DRB4*01:01:01G	2 (1)			DQA1*02:01:01G	4 (2)	DQA1*04:01:01G	4 (2)
DRB1*07:01P	12(8)	DRB1*08:01:01G	6 (4)	DRB4*01:01P	15(7)			DQA1*02:01	36(20)	DQA1*04:01P	2 (1)
DRB1*07:01	34(58)	DRB1*08:01P	10(7)	DRB4*01:03	32(15)			<i>DQA1*04:01</i>	2 (1)	DQA1*04:01	36(20)
DRB1*07	100(58)	DRB1*08:01	35(24)	<i>DRB4*01:01</i>	2 (1)			DQA1*02	98(45)	DQA1*04	100(46)
		DRB1*08	100(58)	DRB4*01	82(28)			<i>DQA1*04</i>	2 (1)		
				DRB4*PRESENT	18(6)						

DQB1		DPA1				DPB1					
67 labs High / 55 labs Low		% (n)		48 labs High / 35 labs Low		% (n)		61 labs High / 29 labs Low		% (n)	
DQB1*02:02:01	41(27)	DQB1*04:02:01	40(27)	DPA1*02:01:01:02	2 (1)			DPB1*10:01:01	61(37)	DPB1*17:01:01G	3 (2)
DQB1*02:01:01G	6 (4)	DQB1*04:02:01G	9 (6)	DPA1*02:01:01	62(30)			DPB1*10:01P	8 (5)	DPB1*17:01P	10(6)
DQB1*02:01P	8 (5)	DQB1*04:02P	10(7)	DPA1*02:01P	8 (4)			DPB1*10:01	31(19)	DPB1*131:01	83(50)
DQB1*02:02	45(30)	DQB1*04:02	40(27)	DPA1*02:01	27(13)			DPB1*10	100(29)	<i>DPB1*17:01</i>	3 (2)
DQB1*02	100(55)	DQB1*04	100(55)	DPA1*02	100(35)					DPB1*131	55(16)
										DPB1*17	45(13)

Discrepant results from consensus are in bold and italicized in Tables 1-6

Table 2. Summary of the 179th DNA Exchange (DNA #1096)

A				B				C			
<u>67 labs High / 58 labs Low</u>		% (n)		<u>68 labs High / 58 labs Low</u>		% (n)		<u>66 labs High / 55 labs Low</u>		% (n)	
A*01:01:01:01	1 (1)	A*68:03:01:01	7 (5)	B*15:17:01	56(38)	B*35:43:01	60(41)	C*01:02:01	56(37)	C*07:01:02	58(37)
A*01:01:01	55(37)	A*68:03:01	49(33)	B*15:17:01G	3 (2)	B*35:43:01G	1 (1)	C*01:02:01G	1 (1)	C*07:01:01G	5 (3)
A*01:01:01G	4 (3)	A*68:03:01G	3 (2)	B*15:17P	3 (2)	B*35:43	38(26)	C*01:02P	4 (3)	C*07:01P	3 (2)
A*01:01P	3 (2)	A*68:03P	3 (2)	B*15:17	38(26)	B*35	97(56)	C*01:02	38(25)	C*07:01	34(22)
A*01:01	36(24)	A*68:03	37(25)	B*15	100(58)	B*18	3 (2)	C*01	100(55)	C*07	100(55)
A*01	100(58)	A*68	100(58)								

DRB1				DRB3/4/5				DQA1			
<u>69 labs High / 59 labs Low</u>		% (n)		<u>49 labs High / 36 labs Low</u>		% (n)		<u>59 labs High / 46 labs Low</u>		% (n)	
DRB1*04:07:01	48(33)	DRB1*13:02:01	54(37)	DRB3*03:01:01	43(21)	DRB4*01:03:01	48(23)	DQA1*01:02:01	56(33)	DQA1*03:01:01:01	5 (3)
DRB1*04:07:01G	4 (3)	DRB1*13:02:01G	1 (1)	DRB3*03:01:01G	2 (1)	DRB4*01:01:01G	2 (1)	DQA1*01:02:01G	3 (2)	DQA1*03:01:01	51(30)
DRB1*04:07P	12(8)	DRB1*13:02P	6 (4)	DRB3*03:01P	10(5)	DRB4*01:01P	17(8)	DQA1*01:02P	2 (1)	DQA1*03:01:01G	3 (2)
DRB1*04:07	36(25)	DRB1*13:02	39(27)	DRB3*01:0P	2 (1)	DRB4*01:03	31(15)	DQA1*01:02	39(23)	DQA1*03:01P	2 (1)
DRB1*04	100(59)	DRB1*13	100(59)	DRB3*03:01	37(18)	DRB4*01:01	2 (1)	DQA1*01	100(46)	DQA1*03:01	37(22)
				DRB3*01:01	6 (3)	DRB4*01	75(27)			DQA1*01:02	2 (1)
				DRB3*03	75(21)	DRB4*PRESENT	25(9)			DQA1*03	98(45)
				DRB3*01	3 (1)					DQA1*01	2 (1)
				DRB3*PRESENT	22(8)						

DQB1				DPA1				DPB1			
<u>68 labs High / 56 labs Low</u>		% (n)		<u>49 labs High / 35 labs Low</u>		% (n)		<u>74 labs High / 35 labs Low</u>		% (n)	
DQB1*03:02:01	41(28)	DQB1*06:04:01	44(30)	DPA1*01:03:01:04	2 (1)			DPB1*04:01:01	21(13)	DPB1*04:02:01	23(14)
DQB1*03:02:01G	9 (6)	DQB1*06:04:01G	4 (3)	DPA1*01:03:01	57(28)			DPB1*04:01:01G	29(18)	DPB1*04:02:01G	29(18)
DQB1*03:02P	10(7)	DQB1*06:04P	10(7)	DPA1*01:03P	6 (3)			DPB1*04:01P	29(18)	DPB1*04:02P	29(18)
DQB1*03:02	40(27)	DQB1*06:04	41(28)	DPA1*01:03	35(17)			DPB1*04:01	22(14)	DPB1*04:02	19(12)
DQB1*03	100(56)	DQB1*06	100(56)	DPA1*01	100(35)			DPB1*04(DP401)	100(32)	DPB1*04(DP402)	97(30)
										DPB1*105	3 (1)

Discrepant results from consensus are in bold and italicized in Tables 1-6

Table 3. Summary of the 179th DNA Exchange (DNA #1097)

A				B				C			
68 labs High / 54 labs Low		% (n)		66 labs High / 53 labs Low		% (n)		66 labs High / 52 labs Low		% (n)	
A*23:01:01:01	9 (6)	A*34:01:01:01	9 (6)	B*51:01:02	59(39)	B*57:02:01	59(39)	C*04:01:01	56(37)	C*18:02:01:01	9 (6)
A*23:01:01	48(32)	A*34:01:01	47(32)	B*51:01P	3 (2)	B*57:02P	3 (2)	C*04:01:01G	6 (4)	C*18:02:01	48(31)
A*23:01:01G	4 (3)	A*34:01:01G	3 (2)	B*51:01	36(24)	B*57:02	38(25)	C*04:01P	3 (2)	C*18:01:01G	5 (3)
A*23:01P	3 (2)	A*34:01P	3 (2)	<i>B*51:89</i>	1 (1)	B*57	100(53)	C*04:01	35(23)	C*18:01P	3 (2)
A*23:01	36(24)	A*34:01	38(26)	B*51	100(53)			C*04	100(52)	C*18:02	31(20)
A*23	100(54)	A*34	98(52)							<i>C*18:01</i>	5 (3)
		<i>A*24</i>	2 (1)							C*18	98(51)
										<i>C*06</i>	2 (1)
DRB1				DRB3/4/5				DQA1			
68 labs High / 55 labs Low		% (n)		43 labs High / 45 labs Low		% (n)		58 labs High / 43 labs Low		% (n)	
DRB1*04:05:01	52(35)			DRB4*01:03:01	48(23)	DRB4*01:03:01	53(24)	DQA1*03:03:01	57(33)		
DRB1*04:05:01G	1 (1)			DRB4*01:01:01G	2 (1)	DRB4*01:01:01G	2 (1)	DQA1*03:01:01G	3 (2)		
DRB1*04:05P	7 (5)			DRB4*01:01P	17(8)	DRB4*01:01P	13(6)	DQA1*03:01P	3 (2)		
DRB1*04:05	40(27)			DRB4*01:03	31(15)	DRB4*01:03	31(14)	DQA1*03:03	33(19)		
DRB1*04	100(55)			<i>DRB4*01:01</i>	2 (1)	DRB4*01	85(28)	<i>DQA1*03:02</i>	2 (1)		
				DRB4*01	80(28)	DRB4*PRESENT	15(5)	<i>DQA1*03:01</i>	2 (1)		
				DRB4*PRESENT	20(7)			DQA1*03	100(43)		
DQB1				DPA1				DPB1			
69 labs High / 52 labs Low		% (n)		48 labs High / 34 labs Low		% (n)		64 labs High / 32 labs Low		% (n)	
DQB1*03:02:01	39(27)	DQB1*04:01:01	54(37)	DPA1*02:01:01	52(25)	DPA1*02:02:02:01	2 (1)	DPB1*01:01:01	56(36)	DPB1*01:01:02	58(37)
DQB1*03:02:01G	9 (6)	DQB1*04:01:01G	1 (1)	DPA1*02:01:01G	4 (2)	DPA1*02:02:02	46(22)	DPB1*01:01:01G	5 (3)	DPB1*01:01:02G	3 (2)
DQB1*03:02P	10(7)	DQB1*04:01P	4 (3)	DPA1*02:01P	8 (4)	DPA1*02:02:02G	4 (2)	DPB1*01:01P	6 (4)	DPB1*01:01P	6 (4)
DQB1*03:02	42(29)	DQB1*04:01	41(28)	DPA1*02:01	35(17)	DPA1*02:02P	8 (4)	DPB1*01:01	33(21)	DPB1*01:01	33(21)
DQB1*03	100(52)	DQB1*04	100(52)	DPA1*02	100(34)	DPA1*02:02	37(18)	DPB1*01	100(32)	DPB1*01	100(32)
						<i>DPA1*02:07</i>	2 (1)				
						DPA1*02	100(34)				

Discrepant results from consensus are in bold and italicized in Tables 1-6

Table 4. Summary of the 179th DNA Exchange (DNA #1098)

A				B				C			
67 labs High / 54 labs Low		% (n)		68 labs High / 53 labs Low		% (n)		67 labs High / 51 labs Low		% (n)	
A*02:01:01	57(38)	A*03:01:01:05	1 (1)	B*44:02:01:01	1 (1)	B*47:01:01	56(38)	C*05:01:01	46(31)	C*06:02:01	46(31)
A*02:01:01G	6 (4)	A*03:01:01	55(37)	B*44:02:01	55(37)	B*47:01:01G	4 (3)	C*05:01:01G	10(7)	C*06:02:01G	9 (6)
A*02:01P	3 (2)	A*03:01:01G	6 (4)	B*44:02:01G	4 (3)	B*47:01P	1 (1)	C*05:01P	6 (4)	C*06:02P	7 (5)
A*02:01	34(23)	A*03:01P	1 (1)	B*44:02P	3 (2)	B*47:01	38(26)	C*05:01	37(25)	C*06:02	37(25)
A*02	100(54)	A*03:01	36(24)	B*44:02	36(24)	B*47	100(53)	C*05	100(51)	C*06	100(51)
		A*03	100(53)	B*44	100(53)						

DRB1				DRB3/4/5				DQA1			
69 labs High / 55 labs Low		% (n)		46 labs High / 36 labs Low		% (n)		57 labs High / 43 labs Low		% (n)	
DRB1*04:01:01	48(33)	DRB1*07:01:01	49(34)	DRB4*01:01:01	36(16)	DRB4*01:03:01	39(18)	DQA1*02:01:01	54(31)	DQA1*03:03:01	56(32)
DRB1*04:01P	15(10)	DRB1*07:01:01G	6 (4)	DRB4*01:01:01G	16(7)	DRB4*01:01:01G	6 (3)	DQA1*02:01:01G	5 (3)	DQA1*03:01:01G	5 (3)
DRB1*04:01	37(25)	DRB1*07:01P	12(8)	DRB4*01:01P	18(8)	DRB4*01:01P	17(8)	DQA1*02:01	40(23)	DQA1*03:01P	2 (1)
DRB1*04	100(55)	DRB1*07:01	32(22)	DRB4*01:01	31(14)	DRB4*01:03	37(17)	DQA1*02	100(43)	DQA1*03:03	35(20)
		<i>DRB1*04:07</i>	1 (1)	DRB4*01	83(30)	DRB4*01	85(29)			<i>DQA1*03:02</i>	2 (1)
		DRB1*07	100(55)	DRB4*PRESENT	17(6)	<i>DRB4*01N</i>	3 (1)			DQA1*03	100(43)
						DRB4*PRESENT	12(4)				

DQB1				DPA1				DPB1			
67 labs High / 52 labs Low		% (n)		47 labs High / 37 labs Low		% (n)		64 labs High / 34 labs Low		% (n)	
DQB1*02:02:01	39(26)	DQB1*03:01:01	36(24)	DPA1*01:03:01	62(29)	DPA1*02:02:02	68(32)	DPB1*01:01:01	56(36)	DPB1*04:01:01	37(24)
DQB1*02:01:01G	9 (6)	DQB1*03:01:01G	15(10)	DPA1*01:03P	2 (1)	DPA1*02:02	30(14)	DPB1*01:01:01G	6 (4)	DPB1*04:01:01G	14(9)
DQB1*02:01P	8 (5)	DQB1*03:01P	11(7)	DPA1*01:03	36(17)	<i>DPA1*02:07</i>	2 (1)	DPB1*01:01P	5 (3)	DPB1*04:01P	16(10)
DQB1*02:02	45(30)	DQB1*03:01	38(25)	DPA1*01	100(37)	DPA1*02	97(36)	DPB1*01:01	33(21)	DPB1*04:01	33(21)
DQB1*02	100(52)	DQB1*03	100(52)			<i>DPA1*01</i>	3 (1)	DPB1*01	100(34)	DPB1*04(DP401)	100(34)

Discrepant results from consensus are in bold and italicized in Tables 1-6

Table 5. Summary of the 179th DNA Exchange (DNA #1099)

A				B				C			
67 labs High / 54 labs Low		% (n)		68 labs High / 53 labs Low		% (n)		67 labs High / 50 labs Low		% (n)	
A*01:01:01	57(38)	A*02:01:01	57(38)	B*07:04	100(68)	B*27:05:02	56(38)	C*02:02:02	57(37)	C*07:02:01	55(37)
A*01:01:01G	7 (5)	A*02:01:01G	7 (5)	B*07	100(53)	B*27:05:02G	9 (6)	C*02:02:02G	8 (5)	C*07:02:01G	6 (4)
A*01:01P	3 (2)	A*02:01P	3 (2)			B*27:05P	3 (2)	C*02:02P	3 (2)	C*07:02P	3 (2)
A*01:01	33(22)	A*02:01	33(22)			B*27:05	32(22)	C*02:02	32(21)	C*07:02	36(24)
A*01	100(54)	A*02	100(54)			B*27	100(53)	C*02	100(50)	C*07	100(50)
DRB1				DRB3/4/5				DQA1			
67 labs High / 55 labs Low		% (n)		47 labs High / 32 labs Low		% (n)		55 labs High / 42 labs Low		% (n)	
DRB1*04:04:01	48(32)	DRB1*15:01:01:01	1 (1)	DRB4*01:03:01	43(20)	DRB5*01:01:01	45(21)	DQA1*01:02:01	60(33)	DQA1*03:01:01:01	5 (3)
DRB1*04:04P	16(11)	DRB1*15:01:01	42(28)	DRB4*01:01:01G	6 (3)	DRB5*01:01:01G	17(8)	DQA1*01:02:01G	4 (2)	DQA1*03:01:01	54(30)
DRB1*04:04	36(24)	DRB1*15:01:01G	9 (6)	DRB4*01:01P	17(8)	DRB5*01:01P	13(6)	DQA1*01:02P	4 (2)	DQA1*03:01:01G	4 (2)
DRB1*04	100(55)	DRB1*15:01P	14(9)	DRB4*01:03	32(15)	DRB5*01:01	25(12)	DQA1*01:02	33(18)	DQA1*03:01P	4 (2)
		DRB1*15:01	32(21)	<i>DRB4*01:01</i>	2 (1)	DRB5*01	81(26)	DQA1*01		DQA1*03:01	31(17)
		<i>DRB1*15:04</i>	1 (2)	DRB4*01	81(26)	DRB5*PRESENT	19(6)			<i>DQA1*01:02</i>	2 (1)
		DRB1*15	98(54)	DRB4*PRESENT	19(6)					DQA1*03	98(41)
		<i>DRB1*09</i>	2 (1)							<i>DQA1*01</i>	2 (1)
DQB1				DPA1				DPB1			
68 labs High / 53 labs Low		% (n)		47 labs High / 34 labs Low		% (n)		64 labs High / 31 labs Low		% (n)	
DQB1*03:02:01	43(29)	DQB1*06:02:01	42(28)	DPA1*01:03:01:02	2 (1)	DPA1*02:07:01	68(32)	DPB1*04:01:01	20(13)	DPB1*19:01:01	28(18)
<i>DQB1*06:02:01</i>	1 (1)	DQB1*06:02:01G	13(9)	DPA1*01:03:01	64(30)	<i>DPA1*02:02P</i>	2 (1)	DPB1*04:01:01G	28(18)	DPB1*19:01:01G	27(17)
DQB1*03:02:01G	7 (5)	DQB1*06:02P	10(7)	DPA1*01:03P	8 (4)	DPA1*02:07	30(14)	DPB1*04:01P	28(18)	DPB1*19:01P	27(17)
DQB1*03:02P	10(7)	DQB1*06:02	34(23)	DPA1*01:03	26(12)	DPA1*02	100(34)	DPB1*04:01	23(15)	DPB1*19:01	19(12)
DQB1*03:02	38(26)	DQB1*06	98(52)	DPA1*01	100(34)			DPB1*04(DP401)	100(31)	DPB1*19	97(30)
DQB1*03	100(53)	<i>DQB1*04</i>	2 (1)							<i>DPB1*106</i>	3 (1)

Discrepant results from consensus are in bold and italicized in Tables 1-6

Table 6. Summary of the 179th DNA Exchange (DNA #1100)

A				B				C			
66 labs High / 54 labs Low		% (n)		66 labs High / 53 labs Low		% (n)		66 labs High / 50 labs Low		% (n)	
A*24:02:01	58(38)	A*32:01:01	58(38)	B*40:02:01	56(37)	B*44:02:01:01	1 (1)	C*03:06:01	64(41)	C*05:01:01	54(36)
A*24:02:01G	8 (5)	A*32:01:01G	8 (5)	B*44:02:01	1 (1)	B*44:02:01	56(37)	C*03:06	33(21)	C*05:01:01G	8 (5)
A*24:02P	3 (2)	A*32:01P	3 (2)	B*40:02:01G	8 (5)	B*44:02:01G	6 (4)	C*03:02	2 (1)	C*05:01P	3 (2)
A*24:02	30(20)	A*32:01	32(21)	B*40:02P	3 (2)	B*44:02P	4 (3)	C*03:04	2 (1)	C*05:01	35(23)
A*24:36N	1 (1)	A*32	100(53)	B*40:02	32(21)	B*44:02	32(21)	C*03	100(50)	C*05	100(50)
A*24	100(54)			B*40	100(53)	B*44	100(53)				
DRB1				DRB3/4/5				DQA1			
68 labs High / 56 labs Low		% (n)		47 labs High / 33 labs Low		% (n)		55 labs High / 43 labs Low		% (n)	
DRB1*08:02:01	57(39)	DRB1*13:01:01	46(31)	DRB3*02:02:01	51(24)			DQA1*01:03:01	60(33)	DQA1*04:01:01	60(33)
DRB1*08:02P	7 (5)	DRB1*13:01:01G	7 (5)	DRB3*02:02:01G	11(5)			DQA1*01:03:01G	4 (2)	DQA1*04:01:01G	4 (2)
DRB1*08:02	35(24)	DRB1*13:01P	10(7)	DRB3*02:02P	8 (4)			DQA1*01:03P	4 (2)	DQA1*04:01P	4 (2)
DRB1*08	98(55)	DRB1*13:01	37(25)	DRB3*02:02	30(14)			DQA1*01:03	33(18)	DQA1*04:01	33(18)
DRB1*01	2 (1)	DRB1*13	98(55)	DRB3*02	82(27)			DQA1*01	100(43)	DQA1*04	100(43)
		DRB1*04	2 (1)	DRB3*PRESENT	18(6)						
DQB1				DPA1				DPB1			
67 labs High / 53 labs Low		% (n)		47 labs High / 34 labs Low		% (n)		63 labs High / 32 labs Low		% (n)	
DQB1*04:02:01	42(28)	DQB1*06:03:01	42(28)	DPA1*01:03:01:04	2 (1)			DPB1*04:01:01	17(11)	DPB1*04:02:01	23(14)
DQB1*04:02:01G	12(8)	DQB1*06:03:01G	7 (5)	DPA1*01:03:01	60(28)			DPB1*04:01:01G	32(20)	DPB1*04:02:01G	32(20)
DQB1*04:02P	10(7)	DQB1*06:03P	7 (5)	DPA1*01:03:01G	2 (1)			DPB1*04:01P	30(19)	DPB1*04:02P	31(19)
DQB1*04:02	36(34)	DQB1*06:03	43(29)	DPA1*01:03P	4 (2)			DPB1*04:01	21(13)	DPB1*04:02	14(9)
DQB1*04	100(53)	DQB1*06	100(53)	DPA1*01:03	32(15)			DPB1*04(DP401)	100(32)	DPB1*04(DP402)	100(31)
				DPA1*01	100(34)						

Discrepant results from consensus are in bold and italicized in Tables 1-6

Table 7. Individual laboratory results for DNA # 1095 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4237	02:01:01	30:01:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01P	08:01P	4*01:03	NP	02:01	04:01P	02:02	04:02P	02:01P	02:01P	10:01:01	131:01
4545	02:01:01G	30:01	14:02:01G	39:06	07:02:01G	08:02	07:01:01G	08:01:01G	NT	NT	NT	NT	02:01:01G	04:02:01G	NT	NT	10:01	131:01
4582	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	4*01:03	NP	02:01	04:01	02:02	04:02	02:01	02:01	10:01	131:01
6051	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	4*01:03:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	02:01:01	02:01:01	10:01:01	131:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	08:01:01	07:01:01	4*01:03:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	02:01:01	02:01:01	10:01P	17:01P
9227	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	NT	NT	NT	NT	02:02:01	04:02:01	NT	NT	10:01:01	131:01
9229	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	4*01:03:01	NP	02:01:01	04:01:01	02:02	04:02	02:01:01	02:01:01	10:01:01	131:01
9230	02:01:01	30:01:01:01	14:02:01:03	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	4*01:03	NP	02:01:01	04:01:01	02:02	04:02	02:01:01	02:01:01	10:01:01	131:01
9231	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	4*01:03:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	02:01:01	02:01:01	10:01:01	131:01
14982	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	4*01:03:01	NP	02:01:01	04:01:01	02:02	04:02:01G	02:01:01	02:01:01	10:01:01	131:01
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45852	02:01:01	30:01:01	14:02:01	39:06:02	07:02:01	08:02:01	07:01:01	08:01:01	4*01:03:01	NT	02:01:01	04:01:01	02:02:01	04:02:01	02:01:01	02:01:01	10:01:01	131:01
Final Consensus based on High Resolution	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	4*01:03	NP	02:01	04:01	02:02	04:02	02:01	02:01	10:01	131:01

Table 8. Individual laboratory results for DNA # 1095 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
162	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	NT	NT	02:02	04:02	NT	NT	NT	NT
176	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	02:01	04:01	02:02	04:02	02:01	02:01	10:01	131:01
193	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	NT	NT	02:02	04:02	NT	NT	NT	NT
209	02:01P	30:01P	14:02P	39:06P	07:02P	08:02P	07:01P	08:01P	4*01:01P	NP	02:01	04:01	02:01P	04:02P	02:01P	02:01P	10:01P	17:01P
239	NT	30:01	14:02	39:06	07:02	NT	07:01	08:01	4*01:03	NT	02:01	04:01	02:02	04:02	NT	NT	10:01	NT
262	NT	NT	NT	NT	NT	NT	07:01	08:01	NT	NT	02:01	04:01	02:02	04:02	NT	NT	NT	NT
267	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	4*01:01	NP	02:01	04:01	02:02	04:02	02:01	02:01	10:01	17:01
288	NT	NT	NT	NT	NT	NT	07:01	08:01	NT	NT	02:01	04:01	02:02	04:02	NT	NT	NT	NT
292	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	NT	NT	02:02	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	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	NT	NT	02:02	04:02	NT	NT	NT	NT
350	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	04:01	04:01	02:02	04:02	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2015	02:01P	30:01P	14:02P	39:06P	07:02P	08:02P	07:01P	08:01P	NT	NT	NT	NT	02:01P	04:02P	NT	NT	10:01P	17:01P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10:01	17:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10:01P	131:01
4420	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	NT	NT	02:01	04:01	NT	04:02	02:01	02:01	NT	NT
Final Consensus	02:01	30:01	14:02	39:06	07:02	08:02	07:01	08:01	4*01:03	NP	02:01	04:01	02:02	04:02	02:01	02:01	10:01	131:01

Table 9. Individual laboratory results for DNA # 1095 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	30	14	39	07	08	07	08	NT	NT	NT	NT	02	04	NT	NT	10	131
139	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	02	02	10	131
144	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
147	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
148	02	30	14	39	07	08	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
158	02	30	14	39	NT	NT	07	08	4*01	NP	02	04	02	04	02	02	10	17
162	02	30	14	39	07	08	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
189	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	NT	NT
190	02	30	14	39	07	08	07	08	4*PRESENT	NP	NT	NT	02	04	NT	NT	NT	NT
192	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
199	NT	NT	NT	NT	NT	NT	07	08	4*PRESENT	NT	NT	NT	02	04	NT	NT	NT	NT
205	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
207	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
227	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
239	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	02	02	10	17
252	02	30	14	39	07	08	07	08	4*PRESENT	NP	02	04	02	04	NT	NT	NT	NT
255	02	30	14	39	NT	NT	07	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	02	30	14	39	07	08	07	08	4*PRESENT	NP	02	04	02	04	NT	NT	NT	NT
265	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
266	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	02	02	10	17
267	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
279	02	30	14	39	07	08	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
280	02	30	14	39	07	08	07	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	02	30	14	39	07	08	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
285	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
288	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
292	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
293	02	30	14	39	07	08	07	08	4*PRESENT	NP	02	04	02	04	NT	NT	NT	NT
294	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
304	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
305	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
309	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
318	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	02	02	10	17
334	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	02	02	10	17
336	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
340	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02	02	10	131
345	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
346	02	30	14	39	NT	NT	07	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	02	30	14	39	07	08	07	08	NT	NT	04	04	02	04	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	NT	NT

Table 9. Individual laboratory results for DNA # 1095 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
805	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	NT	NT
1251	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
2518	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
3438	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	NT	NT
3600	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	NT	NT
3849	NT	NT	NT	NT	NT	NT	07	08	4*PRESENT	NP	NT	NT	02	04	NT	NT	NT	NT
4237	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	02	02	10	131
4420	02	30	14	39	07	08	07	08	4*01	4*01	02	04	02	04	02	02	NT	NT
4582	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
8050	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
9221	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	131
9222	02	30	14	39	07	08	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
9225	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	17
9227	02	30	14	39	07	08	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
Final Consensus	02	30	14	39	07	08	07	08	4*01	NP	02	04	02	04	02	02	10	NG

Table 10. Individual laboratory results for DNA # 1096 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4237	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07P	13:02:01	3*03:01	4*01:03	01:02P	03:01P	03:02P	06:04P	01:03P	01:03P	04:01P	04:02P
4545	01:01:01G	68:03	15:17	35:43	01:02	07:01	04:07:01G	13:02	NT	NT	NT	NT	03:02:01G	06:04:01G	NT	NT	04:01:01G	04:02:01G
4582	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	3*03:01	4*01:03	01:02	03:01	03:02	06:04	01:03	01:03	04:01:01G	04:02:01G
6051	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01:01	4*01:03:01	01:02:01	03:01:01	03:02:01	06:04:01	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
9226	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01:01	4*01:03:01	01:02:01	03:01:01	03:02:01	06:04:01	01:03:01	01:03:01	04:01P	04:02P
9227	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	NT	NT	NT	NT	03:02:01	06:04:01	NT	NT	04:01:01	04:02:01
9229	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01:01	4*01:03:01	01:02:01	03:01:01	03:02:01	06:04:01	01:03:01	01:03:01	04:01:01	04:02:01
9230	01:01:01	68:03:01:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01	4*01:03	01:02:01	03:01:01:01	03:02	06:04	01:03	01:03	04:01	04:02:01
9231	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01:01	4*01:03:01	01:02:01	03:01:01	03:02:01	06:04:01	01:03:01	01:03:01	04:01:01G	04:02:01G
14982	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01:01	4*01:03:01	01:02:01	03:01:01	03:02:01G	06:04:01	01:03:01	01:03:01	04:01:01G	04:02:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45852	01:01:01	68:03:01	15:17:01	35:43:01	01:02:01	07:01:02	04:07:01	13:02:01	3*03:01:01	4*01:03:01	01:02:01	03:01:01	03:02:01	06:04:01	01:03:01	01:03:01	04:01:01G	04:02:01G
Final Consensus based on High Resolution	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	3*03:01	4*01:03	01:02	03:01	03:02	06:04	01:03	01:03	04:01:01G	04:02P

Table 11. Individual laboratory results for DNA # 1096 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
162	01:01	68:03	15:17	35:43	01:02	07:01:01G	04:07	13:02	NT	NT	NT	NT	03:02	06:04:01G	NT	NT	NT	NT
176	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	NT	NT	01:02	03:01	03:02	06:04	01:03	01:03	04:01:01G	04:02:01G
193	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	NT	NT	NT	NT	03:02	06:04	NT	NT	NT	NT
209	01:01P	68:03P	15:17P	35:43:01	01:02P	07:01P	04:07P	13:02P	3*03:01P	4*01:01P	01:02	03:01	03:02P	06:04P	01:03P	01:03P	04:01P	04:02P
239	01:01	68:03	15:17	35:43	01:02	NT	04:07	13:02	3*03:01	4*01:03	01:02	03:01	03:02	06:04	NT	NT	04:01	04:02
262	NT	NT	NT	NT	NT	NT	04:07	13:02	NT	NT	01:02	03:01	03:02	06:04	NT	NT	NT	NT
267	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	3*03:01	4*01:01	01:02	03:01	03:02	06:04	01:03	01:03	04:01	04:02
288	NT	NT	NT	NT	NT	NT	04:07	13:02	NT	NT	01:02	03:01	03:02	06:04	NT	NT	NT	NT
292	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	NT	NT	NT	NT	03:02	06:04	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	03:01	NT	NT	NT	NT	NT	NT
313	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	NT	NT	NT	NT	03:02	06:04	NT	NT	NT	NT
350	NEW	68:03	15:17	35:43	01:02	07:01	04:07	13:02	NT	NT	01:02	01:02	03:02	06:04	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2015	01:01P	68:03P	15:17P	35:43:01	01:02P	07:01P	04:07P	13:02P	NT	NT	NT	NT	03:02P	06:04P	NT	NT	04:01P	04:02P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	04:02
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	04:02P
4420	01:01	NT	15:17	35:43	01:02	NT	04:07	13:02	3*03:01	NT	01:02	03:01	03:02	06:04	01:03	01:03	04:01	NT
Final Consensus	01:01	68:03	15:17	35:43	01:02	07:01	04:07	13:02	3*03:01	4*01:03	01:02	03:01	03:02	06:04	01:03	01:03	04:01:01G	04:02P

Table 12. Individual laboratory results for DNA # 1096 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	01	68	15	35	01	07	04	13	NT	NT	NT	NT	03	06	NT	NT	04(DP401)	04(DP402)
139	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
144	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
147	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
148	01	68	15	35	01	07	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
158	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
162	01	68	15	35	01	07	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
189	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	NT	NT
190	01	68	15	35	01	07	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
192	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
199	NT	NT	NT	NT	NT	NT	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
205	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
207	NT	NT	15	35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
227	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
239	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
242	01	68	15	35	01	07	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
245	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
252	01	68	15	35	01	07	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
255	01	68	15	35	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	01	68	15	35	01	07	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
265	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
266	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
267	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
279	01	68	15	35	01	07	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
280	01	68	15	35	01	07	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	01	68	15	35	01	07	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
285	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
288	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
292	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
293	01	68	15	35	01	07	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
294	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
300	01	68	15	18	01	07	04	13	3*PRESENT	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
304	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
305	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	NT	NT	NT	NT
309	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
311	01	68	15	18	01	07	04	13	3*PRESENT	4*PRESENT	01	03	03	06	NT	NT	NT	NT
317	01	68	15	35	01	07	04	13	3*01	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
318	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
334	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
336	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
340	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
343	01	68	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	04(DP401)	04(DP402)
345	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
346	01	68	15	35	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	01	68	15	35	01	07	04	13	NT	NT	01	01	03	06	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)

Table 12. Individual laboratory results for DNA # 1096 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
805	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	NT	NT
1251	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
2518	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
3438	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
3600	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	13	3*03	4*PRESENT	NT	NT	03	06	NT	NT	NT	NT
4237	01	68	15	35	01	07	04	13	NT	NT	01	03	03	06	01	01	04(DP401)	04(DP402)
4420	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	NT
4582	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
8050	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
9221	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	105
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)
9227	01	68	15	35	01	07	04	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
Final Consensus	01	68	15	35	01	07	04	13	3*03	4*01	01	03	03	06	01	01	04(DP401)	04(DP402)

Table 13. Individual laboratory results for DNA # 1097 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4237	23:01:01:01	34:01:01:01	51:01:02	57:02:01	04:01:01	18:02:01:01	04:05:01	04:05:01	4*01:03	NT	03:03	03:03	03:02P	04:01:01	02:01P	02:02P	01:01:01	01:01:02
4545	23:01	34:01	51:01	57:02	04:01:01G	18:02	04:05	04:05	NT	NT	NT	NT	03:02:01G	04:01	NT	NT	01:01:01G	01:01:02
4582	23:01	34:01	51:01	57:02	04:01	18:02	04:05	04:05	4*01:03	4*01:03	03:03	03:03	03:02	04:01	02:01	02:02	01:01	01:01
6051	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	4*01:03:01	4*01:03:01	03:03:01	03:03:01	03:02:01	04:01:01	02:01:01	02:02:02	01:01:01	01:01:02
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	4*01:03:01	4*01:03:01	03:03:01	03:03:01	03:02:01	04:01:01	02:01:01	02:02:02	01:01P	01:01P
9227	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	NT	NT	NT	NT	03:02:01	04:01:01	NT	NT	01:01:01	01:01:02
9229	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	4*01:03:01	4*01:03:01	03:03:01	03:03:01	03:02	04:01:01	02:01	02:02	01:01:01	01:01:02
9230	23:01:01:01	34:01:01:01	51:01:02	57:02:01	04:01:01	18:02:01:01	04:05:01	04:05:01	4*01:03	4*01:03:01	03:03:01	03:03:01:03	03:02	04:01:01	02:01:01	02:02	01:01:01	01:01:02
9231	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	4*01:03:01	4*01:03:01	03:03:01	03:03:01	03:02:01	04:01:01	02:01:01	02:02:02	01:01:01	01:01:02
14982	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	4*01:03:01	4*01:03:01	03:03:01	03:03:01	03:02:01G	04:01:01	02:01:01	02:02:02	01:01:01	01:01:02
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45852	23:01:01	34:01:01	51:01:02	57:02:01	04:01:01	18:02:01	04:05:01	04:05:01	4*01:03:01	4*01:03:01	03:03:01	03:03:01	03:02:01	04:01:01	02:01:01	02:02:02	01:01:01	01:01:02
Final Consensus based on High Resolution	23:01	34:01	51:01	57:02	04:01	18:02	04:05	04:05	4*01:03	4*01:03	03:03	03:03	03:02	04:01	02:01	02:02	01:01	01:01

Table 14. Individual laboratory results for DNA # 1097 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
162	23:01:01G	34:01	51:01	57:02	04:01:01G	18:01:01G	04:05	04:05	NT	NT	NT	NT	03:02	04:01	NT	NT	NT	NT
176	23:01	34:01	51:01	57:02	04:01	18:02	04:05	04:05	NT	NT	03:03	03:03	03:02	04:01	02:01	02:02	01:01	01:01
193	23:01	34:01	51:01	57:02	04:01	18:02	04:05	04:05	NT	NT	NT	NT	03:02	04:01	NT	NT	NT	NT
209	23:01P	34:01P	51:01P	57:02P	04:01P	18:01P	04:05P	04:05P	4*01:01P	4*01:01P	03:01P	03:01P	03:02P	04:01P	02:01P	02:02P	01:01P	01:01P
239	23:01	34:01	NT	NT	NT	NT	NT	04:05	4*01:03	4*01:03	03:03	03:03	03:02	04:01	NT	NT	01:01	01:01
262	NT	NT	NT	NT	NT	NT	04:05	04:05	NT	NT	03:03	03:03	03:02	04:01	NT	NT	NT	NT
267	23:01	34:01	51:01	57:02	04:01	18:01	04:05	04:05	4*01:01	4*01:03	03:02	03:03	03:02	04:01	02:01	02:07	01:01	01:01
288	NT	NT	NT	NT	NT	NT	04:05	04:05	NT	NT	03:03	03:03	03:02	04:01	NT	NT	NT	NT
292	23:01	34:01	51:01	57:02	04:01	18:01	04:05	04:05	NT	NT	NT	NT	03:02	04:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	23:01	34:01	51:01	57:02	04:01	18:02	04:05	04:05	NT	NT	NT	NT	03:02	04:01	NT	NT	NT	NT
350	23:01	34:01	51:01	57:02	04:01	18:01	04:05	04:05	NT	NT	03:01	03:02	03:02	04:01	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2015	23:01P	34:01P	51:01P	57:02P	04:01P	18:01P	04:05P	04:05P	NT	NT	NT	NT	03:02P	04:01P	NT	NT	01:01P	01:01P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	01:01P
4420	NT	34:01	51:89	57:02	04:01	NT	04:05	04:05	NT	NT	03:03	03:03	03:02	04:01	02:01	02:02	01:01	01:01
Final Consensus	23:01	34:01	51:01	57:02	04:01	18:02	04:05	04:05	4*01:03	4*01:03	03:03	03:03	03:02	04:01	02:01	02:02	01:01	01:01

Table 15. Individual laboratory results for DNA # 1097 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	NT	NT	01	01
139	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	02	02	01	01
144	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	23	34	51	57	04	18	04	04	NT	NT	NT	NT	03	04	NT	NT	NT	NT
158	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
162	23	34	51	57	04	18	04	04	NT	NT	NT	NT	03	04	NT	NT	NT	NT
189	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	NT	NT
190	23	34	51	57	04	18	04	04	4*PRESENT	4*PRESENT	NT	NT	03	04	NT	NT	NT	NT
192	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
199	NT	NT	NT	NT	NT	NT	04	14	4*PRESENT	NT	NT	NT	03	04	NT	NT	NT	NT
205	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
207	NT	NT	NT	NT	04	18	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
239	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	02	02	01	01
252	23	34	51	57	04	18	04	04	4*PRESENT	4*PRESENT	03	03	03	04	NT	NT	NT	NT
255	23	34	51	57	NT	NT	04	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	23	34	51	57	04	18	04	04	4*PRESENT	4*PRESENT	03	03	03	04	NT	NT	NT	NT
265	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
266	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	02	02	01	01
267	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
279	23	34	51	57	04	18	04	04	NT	NT	NT	NT	03	04	NT	NT	NT	NT
280	23	34	51	57	04	18	04	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	23	34	51	57	04	18	04	04	NT	NT	NT	NT	03	04	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	NT	NT	NT	NT
292	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	NT	NT	NT	NT
293	23	34	51	57	04	18	04	04	4*PRESENT	4*PRESENT	03	03	03	04	NT	NT	NT	NT
294	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	NT	NT	01	01
300	23	34	51	57	04	06	04	04	4*PRESENT	NT	NT	NT	03	04	NT	NT	NT	NT
304	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	NT	NT	NT	NT
305	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	NT	NT	NT	NT
309	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
318	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	02	02	01	01
334	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	02	02	01	01
336	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
340	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
343	23	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02	02	01	01	
345	23	24	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
346	23	34	51	57	NT	NT	04	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	NT	NT
726	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
732	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01

Table 15. Individual laboratory results for DNA # 1097 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
805	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	NT	NT
1251	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
2518	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
3438	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
3600	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	04	4*PRESENT	4*PRESENT	NT	NT	03	04	NT	NT	NT	NT
4237	23	34	51	57	04	18	04	04	NT	NT	03	03	03	04	02	02	01	01
4420	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
4582	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
8050	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
9221	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01
9227	23	34	51	57	04	18	04	04	NT	NT	NT	NT	03	04	NT	NT	NT	NT
Final Consensus	23	34	51	57	04	18	04	04	4*01	4*01	03	03	03	04	02	02	01	01

Table 16. Individual laboratory results for DNA # 1098 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4237	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01P	07:01P	4*01:01	4*01:03	02:01	03:03	02:02	03:01P	01:03P	02:02	01:01:01	04:01P
4545	02:01:01G	03:01:01G	44:02:01G	47:01	05:01	06:02	04:01P	07:01:01G	NT	NT	NT	NT	02:01:01G	03:01:01G	NT	NT	01:01:01G	04:01:01G
4582	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:03	02:02	03:01	01:03	02:02	01:01	04:01
6051	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:03:01	02:02:01	03:01:01	01:03:01	02:02:02	01:01:01	04:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:03:01	02:02:01	03:01:01	01:03:01	02:02:02	01:01P	04:01P
9227	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	NT	NT	NT	NT	02:02:01	03:01:01	NT	NT	01:01:01	04:01:01
9229	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01	4*01:03:01	02:01:01	03:03:01	02:02:01	03:01:01	01:03:01	02:02:02	01:01:01	04:01:01
9230	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03	02:01:01	03:03:01	02:02	03:01	01:03	02:02:02	01:01:01	04:01
9231	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01	4*01:03:01	02:01:01	03:03:01	02:02:01	03:01:01	01:03:01	02:02:02	01:01:01	04:01:01
14982	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01G	4*01:03:01	02:01:01	03:03:01	02:02	03:01:01G	01:03:01	02:02:02	01:01:01	04:01:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45852	02:01:01	03:01:01	44:02:01	47:01:01	05:01:01	06:02:01	04:01:01	07:01:01	4*01:01:01G	4*01:01:01G	02:01:01	03:03:01	02:02:01	03:01:01	01:03:01	02:02:02	01:01:01	04:01:01
Final Consensus based on High Resolution	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:03	02:02	03:01	01:03	02:02	01:01	04:01

Table 17. Individual laboratory results for DNA # 1098 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
162	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
176	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:03	02:02	03:01	01:03	02:02	01:01	04:01
193	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	4*01:01	4*01:03	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	NT	47:01	05:01	06:02	NT	07:01	NT	4*01:03	02:01	03:03	02:02	NT	NT	NT	01:01	04:01
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	03:01	44:02	47:01	05:01	06:02	04:01	04:07	4*01:01	4*01:03	02:01	03:02	02:02	03:01	01:03	02:07	01:01	04:01
288	NT	NT	NT	NT	NT	NT	04:01	07:01	NT	NT	02:01	03:03	02:02	03:01	NT	NT	NT	NT
292	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
350	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:03	02:02	03:01	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2015	02:01P	03:01P	44:02P	47:01P	05:01P	06:02P	04:01P	07:01P	NT	NT	NT	NT	02:01P	03:01P	NT	NT	01:01P	04:01P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	04:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	04:01P
4420	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	NT	NT	02:01	03:03	NT	NT	01:03	02:02	01:01	04:01
Final Consensus	02:01	03:01	44:02	47:01	05:01	06:02	04:01	07:01	4*01:01	4*01:03	02:01	03:03	02:02	03:01	01:03	02:02	01:01	04:01

Table 18. Individual laboratory results for DNA # 1098 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
139	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
144	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
162	02	03	44	47	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
189	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	NT	NT
190	02	03	44	47	05	06	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
192	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
199	NT	NT	NT	NT	NT	NT	04	07	4*PRESENT	NT	NT	NT	02	03	NT	NT	NT	NT
205	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
207	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
209	02	03	44	47	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
213	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
239	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
242	02	03	44	47	05	06	04	07	4*PRESENT	NT	02	03	02	03	NT	NT	NT	NT
245	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
252	02	03	44	47	05	06	04	07	4*PRESENT	4*PRESENT	02	03	02	03	NT	NT	NT	NT
255	02	03	44	47	NT	NT	04	07	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	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
266	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
267	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	02	03	44	47	05	06	04	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	02	03	44	47	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
292	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
293	02	03	44	47	05	06	04	07	4*PRESENT	4*PRESENT	02	03	02	03	NT	NT	NT	NT
294	02	03	44	47	05	06	04	07	4*01	4*01	NT	NT	02	03	NT	NT	01	04(DP401)
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
304	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
305	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
309	02	03	44	47	05	06	04	07	4*01	4*01	NT	NT	02	03	01	01	01	04(DP401)
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
318	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
334	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
336	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
340	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
343	02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	02	01	04(DP401)	
345	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
346	02	03	44	47	NT	NT	04	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	NT	NT	NT	NT
402	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
615	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	NT	NT
726	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
732	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)

Table 18. Individual laboratory results for DNA # 1098 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
805	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	NT	NT
1251	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
2518	02	03	44	47	05	06	04	07	4*01	4*01	02	03	NT	NT	01	02	01	04(DP401)
3438	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
3600	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	07	4*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
4237	02	03	44	47	05	06	04	07	NT	NT	02	03	02	03	01	02	01	04(DP401)
4420	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
4582	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
8050	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
9221	02	03	44	47	05	06	04	07	4*01	4*01N	02	03	02	03	01	02	01	04(DP401)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)
9227	02	03	44	47	05	06	04	07	NT	NT	NT	NT	02	03	NT	NT	NT	NT
Final Consensus	02	03	44	47	05	06	04	07	4*01	4*01	02	03	02	03	01	02	01	04(DP401)

Table 19. Individual laboratory results for DNA # 1099 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4237	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04P	15:01P	4*01:03	5*01:01P	01:02P	03:01P	03:02P	06:02P	01:03P	02:07	04:01P	19:01P
4545	01:01:01G	02:01:01G	07:04	27:05:02G	02:02:02G	07:02	04:04P	15:01:01G	NT	NT	NT	NT	03:02:01G	06:02:01G	NT	NT	04:01:01G	19:01:01G
4582	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:02	01:03	02:07	04:01:01G	19:01:01G
6051	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:02:01	01:03:01	02:07:01	04:01:01	19:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:02:01	01:03:01	02:07:01	04:01P	19:01P
9227	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01	NT	NT	NT	NT	03:02:01	06:02:01	NT	NT	04:01:01	19:01:01
9229	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01	4*01:03:01	5*01:01	01:02:01	03:01:01	06:02:01	06:02:01	01:03:01	02:07:01	04:01:01	19:01:01
9230	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01:01	4*01:03	5*01:01:01	01:02:01	03:01:01:01	03:02	06:02	01:03:01	02:07:01	04:01	19:01:01
9231	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01	4*01:03:01	5*01:01:01	01:02:01	03:01:01	03:02:01	06:02:01	01:03:01	02:07:01	04:01:01	19:01:01
14982	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01G	4*01:03:01	5*01:01:01G	01:02:01	03:01:01	03:02:01	06:02:01G	01:03:01	02:07:01	04:01:01G	19:01:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45852	01:01:01	02:01:01	07:04	27:05:02	02:02:02	07:02:01	04:04:01	15:01:01	4*01:01:01G	5*01:01:01G	01:02:01	03:01:01	03:02:01	06:02:01	01:03:01	02:07:01	04:01:01G	19:01:01G
Final Consensus based on High Resolution	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:02	01:03	02:07	04:01:01G	19:01

Table 20. Individual laboratory results for DNA # 1099 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
162	01:01	02:01	07:04	27:05:02G	02:02	07:02	04:04	15:01	NT	NT	NT	NT	03:02	06:02:01G	NT	NT	NT	NT
176	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	NT	NT	01:02	03:01	03:02	06:02	01:03	02:07	04:01:01G	19:01:01G
193	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	NT	NT	NT	NT	03:02	06:02	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	4*01:03	5*01:01	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	NT	07:04	27:05	NT	07:02	NT	NT	4*01:03	NT	01:02	03:01	03:02	NT	NT	NT	04:01	19:01
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	4*01:01	5*01:01	01:02	03:01	03:02	06:02	01:03	02:07	04:01	19:01
288	NT	NT	NT	NT	NT	NT	04:04	15:04	NT	NT	01:02	03:01	03:02	06:02	NT	NT	NT	NT
292	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	NT	NT	NT	NT	03:02	06:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
313	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	NT	NT	NT	NT	03:02	06:02	NT	NT	NT	NT
350	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	NT	NT	01:02	01:02	03:02	06:02	NT	NT	NT	NT
1251	01:01:01G	02:01:01G	07:04	27:05:02G	02:02:02G	07:02:01G	04:04:01	15:01:01G	4*01:03	5*01:01:01G	NT	NT	03:02:01G	06:02:01G	NT	NT	04:01:01G	19:01:01G
2015	01:01P	02:01P	07:04	27:05P	02:02P	07:02P	04:04P	15:01P	NT	NT	NT	NT	03:02P	06:02P	NT	NT	04:01P	19:01P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	19:01
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	19:01P
4420	01:01	02:01	07:04	27:05	NT	07:02	04:04	NT	NT	5*01:01	01:02	03:01	03:02	06:02	01:03	02:07	04:01	19:01
Final Consensus	01:01	02:01	07:04	27:05	02:02	07:02	04:04	15:01	4*01:03	5*01:01	01:02	03:01	03:02	06:02	01:03	02:07	04:01:01G	19:01

Table 21. Individual laboratory results for DNA # 1099 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
139	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	01	02	04(DP401)	19
144	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
147	01	02	07	27	02	07	04	15	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
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
162	01	02	07	27	02	07	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
189	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	NT	NT
190	01	02	07	27	02	07	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
192	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
199	NT	NT	NT	NT	NT	NT	04	15	4*PRESENT	5*PRESENT	NT	NT	03	04	NT	NT	NT	NT
205	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	06	NT	NT	NT	NT
209	01	02	07	27	02	07	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
213	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
239	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245	01	02	07	27	02	07	04	14	NT	NT	01	03	03	06	01	02	04(DP401)	19
252	01	02	07	27	02	07	04	15	4*PRESENT	5*PRESENT	01	03	03	06	NT	NT	NT	NT
255	01	02	07	27	NT	NT	04	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	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
266	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	01	02	04(DP401)	19
267	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
279	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
280	01	02	07	27	02	07	04	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	01	02	07	27	02	07	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
292	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
293	01	02	07	27	02	07	04	15	4*PRESENT	5*PRESENT	01	03	03	06	NT	NT	NT	NT
294	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	NT	NT	04(DP401)	19
300	01	02	07	27	02	07	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
304	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
305	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
309	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
318	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	01	02	04(DP401)	19
334	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	01	02	04(DP401)	19
336	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
340	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
343	01	02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	02	04(DP401)	106	
345	01	02	07	27	NT	NT	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
346	01	02	07	27	NT	NT	04	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	01	02	07	27	02	07	04	15	NT	NT	01	01	03	06	NT	NT	NT	NT
402	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	01	02	04(DP401)	19
615	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	NT	NT
726	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
732	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19

Table 21. Individual laboratory results for DNA # 1099 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
805	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	NT	NT
1251	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
2518	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
3438	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	NT	NT	NT	NT
3600	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	NT	NT
3849	NT	NT	NT	NT	NT	NT	04	15	4*PRESENT	5*PRESENT	NT	NT	03	06	NT	NT	NT	NT
4237	01	02	07	27	02	07	04	15	NT	NT	01	03	03	06	01	02	04(DP401)	19
4420	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
4582	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
8050	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
9221	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19
9227	01	02	07	27	02	07	04	15	NT	NT	NT	NT	03	06	NT	NT	NT	NT
Final Consensus	01	02	07	27	02	07	04	15	4*01	5*01	01	03	03	06	01	02	04(DP401)	19

Table 22. Individual laboratory results for DNA # 1100 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01G	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01G	06:03	01:03:01	01:03:01	04:01:01G	04:02:01G
16	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01G	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
124	24:02:01	32:01:01	40:02:01	44:02:01:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01:04	01:03:01:05	04:01:01	04:02:01
125	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	NT	NT	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
134	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02P	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
138	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01P	04:02P
139	24:02:01G	32:01:01G	40:02:01G	44:02P	03:06:01	05:01:01G	08:02P	13:01:01G	NT	NT	01:03:01G	04:01:01G	04:02:01G	06:03:01G	NT	NT	04:01:01G	04:02:01G
144	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	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	24:02:01G	32:01:01G	40:02:01G	44:02:01G	03:06:01	05:01:01G	08:02:01	13:01:01G	NT	NT	NT	NT	04:02:01G	06:03:01G	NT	NT	04:01:01G	04:02:01G
158	24:02P	32:01P	40:02P	44:02P	03:06	05:01P	08:02P	13:01P	3*02:02P	NP	01:03P	04:01P	04:02P	06:03P	01:03:01G	01:03:01G	04:01P	04:02P
173	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01P	04:02P
185	24:02:01G	32:01:01G	40:02:01G	44:02:01G	03:06:01	05:01:01G	08:02P	13:01P	3*02:02P	NP	01:03:01G	04:01:01G	04:02P	06:03P	NT	NT	04:01:01G	04:02:01G
188	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01P	NT	NT	01:03:01	04:01:01	04:02P	06:03P	01:03P	01:03P	04:01P	04:02P
189	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
190	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01P	NT	NT	NT	NT	04:02P	06:03	NT	NT	04:01P	04:02P
192	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
205	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
207	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
213	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01P	04:02P
218	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
219	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
227	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
238	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	NT	NT	04:01P	04:02P
240	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01	3*02:02:01	NP	01:03:01	04:01:01	04:02	06:03	01:03	01:03:01	04:01	04:02:01
264	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	24:02:01	32:01:01	40:02:01	44:02:01	03:06	05:01:01	08:02:01	13:01:01	3*02:02:01G	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
286	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
290	24:02:01	32:01:01	40:02:01	44:02:01	NT	NT	08:02:01	13:01:01	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	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01	04:02
316	24:02	32:01	40:02	44:02	03:02	05:01	08:02	13:01	3*02:02	NT	01:03	04:01	04:02	06:03	01:03	01:03	04:01	04:02
321	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
340	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
343	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
344	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02:01G	06:03	01:03	01:03	04:01:01G	04:02:01G
345	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01	NT	NT	01:03:01	04:01:01	04:02	06:03	NT	NT	04:01	04:02:01
353	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
402	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	3*02:02	01:03	04:01	04:02	06:03	01:03	01:03	04:01P	04:02P
403	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01G	NT	NT	NT	NT	04:02:01G	06:03	NT	NT	04:01:01G	04:02:01G
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01P	3*02:02	NP	01:03	04:01	04:02P	06:03	01:03	01:03	04:01	04:02
1189	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01	04:02
2063	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
2862	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NT	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
3410	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	04:01	04:02
3438	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3582	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
3625	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02	NT	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01

Table 22. Individual laboratory results for DNA # 1100 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4237	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02P	13:01P	3*02:02P	NT	01:03P	04:01P	04:02P	06:03P	01:03P	01:03P	04:01P	04:02P
4545	24:02:01G	32:01:01G	40:02:01G	44:02:01G	03:06	05:01	08:02	13:01:01G	NT	NT	NT	NT	04:02:01G	06:03:01G	NT	NT	04:01:01G	04:02:01G
4582	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
6051	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	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
9226	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01P	04:02P
9227	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	NT	NT	NT	NT	04:02:01	06:03:01	NT	NT	04:01:01	04:02:01
9229	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01	04:02:01
9230	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01	3*02:02:01	NP	01:03:01	04:01:01	04:02	06:03	01:03	01:03:01	04:01	04:02:01
9231	24:02:01	32:01:01	44:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01	NP	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
14982	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01G	NP	01:03:01	04:01:01	04:02:01G	06:03	01:03:01	01:03:01	04:01:01G	04:02:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
45852	24:02:01	32:01:01	40:02:01	44:02:01	03:06:01	05:01:01	08:02:01	13:01:01	3*02:02:01G	NT	01:03:01	04:01:01	04:02:01	06:03:01	01:03:01	01:03:01	04:01:01G	04:02:01G
Final Consensus based on High Resolution	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G

Table 23. Individual laboratory results for DNA # 1100 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
162	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	NT	NT	04:02	06:03:01G	NT	NT	NT	NT
176	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	01:03	04:01	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G
193	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	32:01	NT	NT	NT	05:01	08:02	13:01	NT	NT	01:03	04:01	04:02	06:03	NT	NT	04:01	04:02
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	24:02	32:01	40:02	44:02	03:04	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01	04:02
288	NT	NT	NT	NT	NT	NT	08:02	13:01	NT	NT	01:03	04:01	04:02	06:03	NT	NT	NT	NT
292	24:02	32:01	40:02	44:02	03:06	05:01	08:02	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	04:01	NT	NT	NT	NT	NT	NT
313	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	NT	NT	04:02	06:03	NT	NT	NT	NT
350	24:36N	NEW	40:02	44:02	03:06	05:01	08:02	13:01	NT	NT	01:03	04:01	04:02	06:03	NT	NT	NT	NT
1251	24:02:01G	32:01:01G	40:02:01G	44:02:01G	03:06:01	05:01:01G	08:02:01	13:01:01G	3*02:02:01G	NP	NT	NT	04:02:01G	06:03:01G	NT	NT	04:01:01G	04:02:01G
2015	24:02P	32:01P	40:02P	44:02P	03:06:01	05:01P	08:02P	13:01P	NT	NT	NT	NT	04:02P	06:03P	NT	NT	04:01P	04:02P
2518	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	04:02
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	04:02P
4420	24:02	32:01	40:02	44:02	NT	05:01	08:02	13:01	3*02:02	3*02:02	01:03	04:01	04:02	06:03	01:03	01:03	04:01	NT
Final Consensus	24:02	32:01	40:02	44:02	03:06	05:01	08:02	13:01	3*02:02	NP	01:03	04:01	04:02	06:03	01:03	01:03	04:01:01G	04:02:01G

Table 24. Individual laboratory results for DNA # 1100 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
139	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
144	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
147	24	32	40	44	03	05	08	13	NT	NT	NT	NT	04	06	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
162	24	32	40	44	03	05	08	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
189	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	NT	NT
190	24	32	40	44	03	05	08	13	3*PRESENT	NP	NT	NT	04	06	NT	NT	NT	NT
192	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
199	NT	NT	NT	NT	NT	NT	08	13	3*PRESENT	NT	NT	NT	04	06	NT	NT	NT	NT
205	24	32	40	44	03	05	08	13	3*02	NP	01	04	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	04(DP401)	04(DP402)
209	24	32	40	44	03	05	08	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
213	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
239	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
252	24	32	40	44	03	05	08	13	3*PRESENT	NP	01	04	04	06	NT	NT	NT	NT
255	24	32	40	44	NT	NT	08	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	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
266	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
267	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
279	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
280	24	32	40	44	03	05	08	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	24	32	40	44	03	05	08	13	NT	NT	NT	NT	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
288	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	NT	NT
292	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	NT	NT
293	24	32	40	44	03	05	08	13	3*PRESENT	NP	01	04	04	06	NT	NT	NT	NT
294	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	04(DP401)	04(DP402)
300	24	32	40	44	03	05	08	13	3*PRESENT	NT	NT	NT	04	06	NT	NT	NT	NT
304	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	NT	NT
305	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	NT	NT
309	24	32	40	44	03	05	01	04	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
311	24	32	40	44	03	05	08	13	3*PRESENT	NP	01	04	04	06	NT	NT	NT	NT
317	NT	NT	NT	NT	NT	NT	08	13	NP	3*02	01	04	04	06	01	01	04(DP401)	04(DP402)
318	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
334	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
336	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
340	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
343	24	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	04(DP401)	04(DP402)
345	24	32	40	44	NT	NT	08	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
346	24	32	40	44	NT	NT	08	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
350	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	NT	NT
402	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
615	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	NT	NT
726	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
732	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)

Table 24. Individual laboratory results for DNA # 1100 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
805	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	NT	NT
1251	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
2518	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
3438	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	NT	NT	NT	NT
3600	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	NT	NT
3849	NT	NT	NT	NT	NT	NT	08	13	3*02	NP	NT	NT	04	06	NT	NT	NT	NT
4237	24	32	40	44	03	05	08	13	NT	NT	01	04	04	06	01	01	04(DP401)	04(DP402)
4420	24	32	40	44	03	05	08	13	3*02	3*02	01	04	04	06	01	01	04(DP401)	NT
4582	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
8050	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
9221	24	32	40	44	03	05	08	13	3*02	NP	01	04	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
9225	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)
9227	24	32	40	44	03	05	08	13	NT	NT	NT	NT	04	06	NT	NT	NT	NT
Final Consensus	24	32	40	44	03	05	08	13	3*02	NP	01	04	04	06	01	01	04(DP401)	04(DP402)

Table 25. Individual laboratory results for DNA # 1095 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments	
192	01:01/01:09/01:12/01:13/01:14/01:15/01:118/01:119/01:121/01:124/01:125/01:127/01:129/01:130/01:131/01:134/01:135/01:139N/01:140/01:142/01:143/01:144/01:146/01:148	01:01/01:09/01:12/01:13/01:14/01:15/01:118/01:119/01:121/01:124/01:125/01:127/01:129/01:130/01:131/01:134/01:135/01:139N/01:140/01:142/01:143/01:144/01:146/01:148	NT	NT	NT	NT	NT	NT	NT	003:01/005:02/005:08/005:11/006/010	004:01/028/034	NGS-INH	
227	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	01:05:01N	01:01:01	02:05:01		005:02	028	NGS-CareDx Alloseq Tx17 lot:22-1680	
258	01:01	01:01	01:01	01:01	01:01	01:05:01N	NT	NT		NT	NT	NGS	

Table 26. Individual laboratory results for DNA # 1096 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments	
192	01:01/01:09/01:12/01:13/01:14/01:15/01:118/01:119/01:121/01:124/01:125/01:127/01:129/01:130/01:131/01:134/01:135/01:139N/01:140/01:142/01:143/01:144/01:146/01:148	01:01/01:09/01:12/01:13/01:14/01:15/01:118/01:119/01:121/01:124/01:125/01:127/01:129/01:130/01:131/01:134/01:135/01:139N/01:140/01:142/01:143/01:144/01:146/01:148	NT	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	01:01:01	01:01:01	01:01:02	01:01:02	01:06:01	02:01:01	02:05:01		005:02	005:08	NGS-CareDx Alloseq Tx17 lot:22-1680	
258	01:01	01:01	01:01	01:01	01:01	01:06	NT	NT		NT	NT	NGS	

Table 27. Individual laboratory results for DNA # 1097 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments	
192	01:01/01:09/01:12/01:13/01:14/01:15/01:118/01:119/01:121/01:124/01:125/01:127/01:129/01:130/01:131/01:134/01:135/01:139N/01:140/01:142/01:143/01:144/01:146/01:148	01:01/01:09/01:12/01:13/01:14/01:15/01:118/01:119/01:121/01:124/01:125/01:127/01:129/01:130/01:131/01:134/01:135/01:139N/01:140/01:142/01:143/01:144/01:146/01:148	NT	NT	NT	NT	NT	NT	NT	002:01/002:03	005:03	NGS-INH	
227	01:01:01	01:130	01:01:01	01:03:01	01:04:04	01:01:03(Exon4-705bp G>A)	DEL	02:27		002:01	005:03	NGS-CareDx Alloseq Tx17 lot:22-1680	
258	01:01	01:130	01:01	01:03	01:04	01:01:XX	NT	NT		NT	NT	NGS	There is one base variant from G to A at exon4 cDNA705, but no change of amino acid .

Table 28. Individual laboratory results for DNA # 1098 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments		
192	01:01/01:09/01:12/01:13/01:14/01:15/ 01:118/01:119/01:121/01:124/01:125/ 01:127/01:129/01:130/01:131/01:134/ 01:135/01:139N/01:140/01:142/01:14 3/01:144/01:146/01:148		01:03/01:17/01:120/01:133/ 01:136/01:141N/01:149		NT	NT	NT	NT	NT	NT	003:01/005:02/ 005:08/006/010	004:01/028	NGS-INH	
227	01:01:01	01:03:02	01:01:01	01:03:01	01:01:01	01:01:01	01:01:01	01:01:01	02:04:01	004:01	005:02	NGS-CareDx Alloseq Tx17 lot:22-1680		
258	01:01	01:03	01:01	01:03	01:01	01:01	NT	NT		NT	NT	NGS		

Table 29. Individual laboratory results for DNA # 1099 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments		
192	01:01/01:09/01:12/01:13/01:14/01:15/ 01:118/01:119/01:121/01:124/01:125/ 01:127/01:129/01:130/01:131/01:134/ 01:135/01:139N/01:140/01:142/01:14 3/01:144/01:146/01:148		01:03/01:17/01:120/01:133/ 01:136/01:141N/01:149		NT	NT	NT	NT	NT	NT	003:01/005:02/ 005:08/006/010	004:01/028	NGS-INH	
227	01:01:01	01:03:02	01:01:01	01:01:01	01:01:01	01:01:02	01:01:01	02:01:01		004:01	005:02	NGS-CareDx Alloseq Tx17 lot:22-1680		
258	01:01	01:03	01:01	01:01	01:01	01:01	NT	NT		NT	NT	NGS		

Table 30. Individual laboratory results for DNA # 1100 High Resolution

CENTER	E		F		G		H		MICB		Methods	Comments		
192	01:01/01:09/01:12/01:13/01:14/01:15/ 01:118/01:119/01:121/01:124/01:125/ 01:127/01:129/01:130/01:131/01:134/ 01:135/01:139N/01:140/01:142/01:14 3/01:144/01:146/01:148		01:03/01:17/01:120/01:133/ 01:136/01:141N/01:149		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	01:01:22	01:04:01	02:03:02	DEL		005:02	005:02	NGS-CareDx Alloseq Tx17 lot:22-1680		
258	01:01	01:03	01:01	01:01	01:01	01:04	NT	NT		NT	NT	NGS		

DNA Exchange - 179 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
138	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-LS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
139	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO		NGS-PRO
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-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
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	NGS-GIL	NGS-GIL	NGS-GIL SBT-ACT SSP-OLE		NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
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
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-TBG SSO-LUM-OL	SBT-SC-TBG SSO-LUM-OL	SBT-SC-TBG SSO-LUM-OL	SBT-SC-TBG SSO-LUM-OL			SBT-SC-TBG SSO-LUM-OL		
205	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
209	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL-OLE	SBT-GD SSP-OLE	SSO-OL SSP-OLE	SBT-GD SSO-OL	SSO-OL SSP-INT-OLE	SBT-GD SSO-OL
213	NGS-HM	NGS-HM	NGS-HM	NGS-HM	NGS-HM SSP-OLE	NGS-HM SSP-OLE	NGS-HM	NGS-HM	NGS-HM SSP-OLE
218	NGS-INH	NGS-INH	NGS-INH	NGS-INH			NGS-INH		NGS-INH
219	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
227	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
238	NGS-GIL SSO-HT	NGS-GIL SSO-HT	NGS-GIL SSO-HT	NGS-GIL SSO-HT	SSP-OLE	SSO-HT	NGS-GIL SSO-HT		NGS-GIL SSO-HT
239	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB		rtPCR-LB
240	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD SSP-OL	NGS-GD	NGS-GD
258	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
262				SSP-OL-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
280	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
286	NGS-IL-OL								
288				SSP-OLE		SSP-OLE	SSP-OLE		
290	NGS-OL	NGS-OL		NGS-OL					
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
294	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX		NGS-OMX	NGS-OMX		NGS-OMX
298	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
311						SSP-OLE			
313	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		
316	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
321	NGS-OL SSO-OL	NGS-OL SSO-OL SSP-OLE	NGS-OL SSO-OL	NGS-OL SSO-OL SSP-OLE	NGS-OL	NGS-OL SSP-OLE	NGS-OL SSP-OLE	NGS-OL	NGS-OL SSP-OLE
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
345	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL SBT-GIL	NGS-GIL	NGS-GIL	NGS-GIL SBT-GIL	NGS-GIL	NGS-GIL
350	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM		
353	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
402	NGS-OL SBT-GD	NGS-OL SBT-GD	NGS-OL SBT-GD	NGS-OL SBT-GD	NGS-OL	NGS-OL	NGS-OL SBT-GD	NGS-LS-OL	NGS-OL SBT-GD
403	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
726	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
805	NGS-GIL								
1189	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
1251	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO	SBT-PRO SSP-OLE		SBT-PRO		SBT-PRO
2015	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM			SSO-LUM SSP-UNI		SSO-LUM
2063	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
2518									SSO-OL
2862	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL
3410	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SSO-GV			NGS-GIL		NGS-GIL
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
3625	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
4237	NGS-GD	NGS-GD	NGS-GD	NGS-GD	SSP-OLE	SSO-IMM-OLE SSP-OLE	NGS-GD	SSO-IMM	NGS-GD
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK	SSO-WAK	SSO-LC	SSO-WAK
4545	SBT-SC SSO-OL	NGS-OL SBT-SC SSO-OL	SBT-SC SSO-OL	NGS-OL SBT-SC SSO-OL			NGS-OL SBT-SC SSO-OL		NGS-OL SBT-SC SSO-OL
4582	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
6051	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL	NGS-IL
9226	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
9227	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL SSP-OLE			NGS-GIL SSP-OLE		NGS-GIL
9229	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
9230	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL
9231	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
45852	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL	NGS-IL-OL

DNA Exchange - 179 Participants and Methods Low Resolution

Center	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
134	SSO-OL-OLE SSP-OLE rtPCR-LS	SSO-OL SSP-OLE rtPCR-LS	SSO-OL SSP-OLE rtPCR-LS	SSO-OL SSP-OLE rtPCR-LS	rtPCR-LS	SSO-OL rtPCR-LS	SSO-OL SSP-OLE rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS
139	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
144	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS	Other-Others rtPCR-LS
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		
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		
192	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
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	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	SSP-OLE rtPCR-LS	rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS	rtPCR-LS	SSP-OLE rtPCR-LS
209	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
213	SSP-INN-OLE	SSP-INN-OLE	SSP-INN	SSP-INN		SSP-INN	SSP-INN	SSP-INN	SSP-INN
227	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
239	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB	rtPCR-LB
242	SSP-OLE	SSP-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-BR-PRO	SP-BR-INT-OLE-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	SSO-LC	SSO-LC	SSO-LC	SSO-LC					
282	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE			SSP-OLE		
285	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
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-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		
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		SSO-IMM SSP-LS	Other-Others SSO-IMM SSP-LS-OLE		SSP-LS-OLE
300	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSP-OL		SSP-OL		

Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
304	SSO-GTI	SSO-GTI	SSO-GTI	SSO-GTI		SSO-GTI	SSO-GTI		
305	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		
309	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
311	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
317	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
318	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
334	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
340	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
343	SSO-IMM							SSO-IMM	SSO-IMM
345	SSO-IMM SSP-OLE rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	rtPCR-LS	SSO-IMM rtPCR-LS	SSO-IMM SSP-OLE rtPCR-LS	rtPCR-LS	rtPCR-LS
346	SSP-OLE	SSP-OLE		SSP-OLE					
350	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM		SSO-IMM	SSO-IMM		
402	SSO-OL	SSO-OL	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
726	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
732	SSO-OL	SSO-OL	SSO-OL	SSO-LT-OL	SSO-LT-OL	SSO-LT-OL	SSO-LT-OL	SSO-LT-OL	SSO-LT-OL
805	SSO-IMM								
1251	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM	Other-Others SSO-IMM
2518	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
3438	SSO-LC SSP-OL	SSO-LC SSP-OL	SSO-LC SSP-OL	SSO-LC SSP-OL	SSP-OL	SSO-LC SSP-OL	SSO-LC SSP-OL	SSP-OL	SSP-OL
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	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
8050	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ
9221	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB	SSO-OL rtPCR-LB
9222	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
9225	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ	rtPCR-CQ
9227	SSO-IMM SSP-OLE	SSO-IMM SSP-OLE	SSO-IMM SSP-OLE	SSO-IMM SSP-OLE			SSO-IMM SSP-OLE		