

UCLA INTERNATIONAL HLA DNA EXCHANGE 184TH SUMMARY



JANUARY 29, 2025

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DNA Sample	
#1125	#1128
#1126	#1129
#1127	#1130

DNA #1125 FILIPINO

HLA-A		HLA-B		HLA-C							
11:01	34:01	15:35	15:35	07:02	07:02						
DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02	05:01	05:01

A consensus for the DPA1*02 allele could not be reached seeing as 4 participants reported DPA1*02:02:02, 4 reported DPA1*02:02:02G, 9 reported DPA1*02:02P, 28 reported DPA1*02:38Q, 10 reported DPA1*02:02, and 1 reported DPA1*02:07. 50% of participants reported DPA1*02:38Q. DPA1*02:02 and DPA1*02:38Q have identical nucleotide sequences in exon 2.

The likely class I associations for this cell are A*11:02-B*15:35-C*07:02 and A*34:01-B*15:35-C*07:02, with respective frequencies of HF=0.00094 and HF=0.00263, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #1125 are summarized in Table 1 and individual laboratory results are listed in Tables 7-9. The results for DNA #1125 HLA-E, -F, -G, -H, and MICB data can be found below and on Table 25.

CENTER	HLA-E	HLA-F		HLA-G		HLA-H		MICB		
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	003:01/005:02/005:08/005:13/006/010	003:01/005:02/005:08/005:13/006/010
227	01:01:01	01:01:01	01:01:01	01:01:01	01:01:02	01:01:03	02:07:01	02:27	005:02	005:02
1686	01:01:01:03	01:01:01:03	01:01:01:--	01:01:01:--	01:01:02:01	01:01:03:03	02:07:01:01	02:27	005:02	005:02
4545	01:01	01:01	01:01	01:01	01:01	01:01	02:07	02:27	005:02	005:02
9232	01:01:01	01:01:01	01:01:01	01:01:01	01:01:02	01:01:03	02:07:01	02:27	005:02	005:02



DNA Sample

#1125	#1128
#1126	#1129
#1127	#1130

DNA #1126 CAUCASIAN

HLA-A		HLA-B		HLA-C							
01:01	68:01	08:01	44:02	07:01	07:04						
DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
04:01	11:01	3*02:02	4*01	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01

A consensus for the DRB4*01 allele could not be reached seeing as 19 participants reported DRB4*01:03:01, 10 reported DRB4*01:01:01G, 11 reported DRB4*01:01P, 13 reported DRB4*01:01, and 3 reported DRB4*01:01.

The likely class I associations in this cell are A*01:01-B*08:01-C*07:01 and A*68:01-B*44:02-C*07:04, with respective frequencies of HF=0.09556 and HF=0.00410, as seen in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #1126 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12. The results for DNA #1126 HLA-E, -F, -G, -H, and MICB data can be found below and on Table 26.

CENTER	HLA-E	HLA-F	HLA-G	HLA-H	MICB						
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	003:01/005:02/005:08/005:13/006/010	008:01	
227	01:01:01	01:01:01	01:01:01	01:01:02	01:01:02	01:01:02	01:01:02	02:01:01	02:05:01	005:02	008:01
1686	01:01:01:--	01:01:01:--	01:01:01:--	01:01:02:08	01:01:02:01	01:01:02:01	01:01:02:01	02:01:01:01	02:05:01:01	005:02	008:01
4545	01:01	01:01	01:01	01:01	01:01	01:01	01:01	02:01	02:05	005:02	008:01
9232	01:01:01	01:01:01	01:01:01	01:01:02	01:01:02	01:01:02	01:01:02	02:01:01	02:05:01	005:02	008:01



DNA Sample

#1125	#1128
#1126	#1129
#1127	#1130

DNA #1127 BLACK

HLA-A		HLA-B		HLA-C							
02:01	02:01	44:02	45:01	07:04	16						
DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01

A consensus for the C*16 allele could not be reached seeing as 8 participants reported C*16:01:01G, 9 reported C*16:01P, 48 reported C*16:112, and 4 reported C*16:01.

The likely class I associations for this cell are A*02:01-B*44:02 and A*02:01-B*45:01, with respective frequency of HF=0.01331 and HF=0.01665, as seen in African Americans, according to the NMDP Bioinformatics website.

The results for DNA #1127 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15. The results for DNA #1127 HLA-E, -F, -G, -H, and MICB data can be found below and on Table 27.

CENTER	HLA-E		HLA-F		HLA-G		HLA-H		MICB	
192	01:03/01:17/01:120/01:133/01:136/01:141N/01:149/01:150	01:03/01:17/01:120/01:133/01:136/01:141N/01:149/01:150	NT	NT	NT	NT	NT	NT	002:01/002:03/002:06/018:01	003:01/005:02/005:08/005:13/006/010/019:01/038
227	01:03:02	01:03:02	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	002:01	005:02
1686	01:03:02:--	01:03:02:--	01:01:01:--	01:01:01:--	01:01:01:01	01:01:01:01	01:01:01:01	01:01:01:05	002:01	005:02
4545	01:03	01:03	01:01	01:01	01:01	01:01	01:01	01:01	002:01	005:02
9232	01:03:02	01:03:02	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	002:01	005:02



DNA Sample	
#1125	#1128
#1126	#1129
#1127	#1130

DNA #1128 HISPANIC

HLA-A		HLA-B		HLA-C							
23:01	31:01	35:17	44:03	04:01	04:01						
DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
07:01	08:02	4*01:01		02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01

The likely class I associations in this cell are A*23:01-B*44:03-C*04:01 and A*31:01-B*35:17-C*04:01, with respective frequencies of HF=0.00896 and HF=0.00194, as seen in Hispanics, according to the NMDP Bioinformatics website.

Labs reporting results for HLA-H reported the presence of a deletion variant. The deletion is known to be present on chromosomes carrying HLA-A*23/*24, as noted in *HLA-H: Transcriptional Activity and HLA-E Mobilization* (Jordier, Francois et al. *Frontiers in Immunology*, 2020. 10:2986)

The results for DNA #1128 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18. The results for DNA #1128 HLA-E, -F, -G, -H, and MICB data can be found below and on Table 28.

CENTER	HLA-E		HLA-F		HLA-G		HLA-H		MICB	
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	003:01/005:02/005:08/005:11/005:13/006/010	003:01/005:02/005:08/005:11/005:13/006/010
227	01:01:01	01:01:01	01:01:01	01:03:01	01:03:01	01:04:04	02:09	DEL	005:02	005:02
1686	01:01:01:--	01:01:01:--	01:01:01:11	01:03:01:03	01:03:01:02	01:04:04:01	02:09	DEL	005:02	005:02
4545	01:01	01:01	01:01	01:03	01:03	01:04	02:09	NP	005:02	005:02
9232	01:01:01	01:01:01	01:01:01	01:03:01	01:03:01	01:04:04	02:09	DEL	005:02	005:02



DNA Sample	
#1125	#1128
#1126	#1129
#1127	#1130

DNA #1129 HISPANIC

HLA-A		HLA-B		HLA-C							
02:05	68:05	53:01	58:01	04:01	07:18						
DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
01:02	15:03	5*01:01		01:01	01:02	05:01	06:02	02:01	03	11:01	40:01

A consensus for the DPA*03 allele could not be reached seeing as 8 participants reported DPA1*03:05:01, 17 reported DPA1*03:05:01Q, 7 reported DPA1*03:01:01G, 14 reported DPA1*03:05Q, 8 reported DPA1*03:01P, 3 reported DPA1*03:05, and 2 reported DPA1*03:01.

The likely class II associations in this cell are DRB1*01:02-DQB1*05:01 and DRB1*15:03-DQB1*06:02, with respective frequencies of HF=0.03293 and HF=0.01299, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1129 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21. The results for DNA #1129 HLA-E, -F, -G, -H, and MICB data can be found below and on Table 29.

CENTER	HLA-E		HLA-F		HLA-G		HLA-H		MICB			
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	002:01/002:03/02:06	002:01/002:03/02:06
227	01:01:01		01:01:01		01:01:02	01:01:02	01:01:02	01:03:01	01:03:01	02:05:01	002:01	002:01
1686	01:01:01:--		01:01:01:--		01:01:02:--	01:01:02:08	01:01:02:01	01:03:01:02	01:03:01:01	02:05:01:01	002:01	002:01
4545	01:01		01:01		01:01	01:01	01:01	01:03	01:03	02:05	002:01	002:01
9232	01:01:01		01:01:01		01:01:02	01:01:02	01:01:02	01:03:01	01:03:01	02:05:01	002:01	002:01



DNA Sample	
#1125	#1128
#1126	#1129
#1127	#1130

DNA #1130 HISPANIC

HLA-A		HLA-B		HLA-C							
03:01	31:01	15:39	48:01	03:04	04:01						
DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
08:02	08:02			04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02

Eight participants reporting NGS results could not exclude DPB1*416:01. HLA-DPB1*02:01:02 and HLA-DPB1*416:01 share identical sequence across exon 2 as noted in *Next-generation HLA typing 382 International Histocompatibility Working Group reference B-Lymphoblastoid cell lines: report from 17th International HLA Immunogenetics Workshop*. (Creary, Lisa E. et al. HHS Public Access. 2019. Volume 80(7): 449-460).

The likely class II associations in this cell are DRB1*08:02-DQB1*03:01 and DRB1*08:02-DQB1*04:02, with respective frequencies of HF=0.00140 and HF=0.05612, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #1130 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24. The results for DNA #1130 HLA-E, -F, -G, -H , and MICB data can be found below and on Table 30.

CENTER	HLA-E	HLA-F		HLA-G		HLA-H		MICB		
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	01:03/01:17/01:120/01:133/01:136/01:141N/01:149/01:150	NT	NT	NT	NT	NT	NT	004:01/028	009:01N
227	01:01:01	01:03:02	01:01:01	01:03:01	01:01:01	01:03:01	02:04:01	02:09	004:01	009:01N
1686	01:01:01:--	01:03:02:--	01:01:01:11	01:03:01:--	01:01:01:05	01:03:01:02	02:04:01	02:09	004:01	009:01N
4545	01:01	01:03	01:01	01:03	01:01	01:03	02:04	02:09	004:01	009:01N
9232	01:01:01	01:03:02	01:01:01	01:03:01	01:01:01	01:03:01	02:04:01	02:09	004:01	009:01N

ACKNOWLEDGMENTS:

The UCLA Immunogenetics Center would like to express our deepest thanks to One Legacy and all organ and tissue donors and their families for giving the gift of knowledge by their generous donation to the education and advancement of the study of HLA. We would also like to thank the NMDP Bioinformatics website (<https://bioinformatics.bethematchclinical.org>), the continued submission of NGS results, and the 5 participants reporting their HLA-E, -F, -G, -H , and MICB data (See Tables 25-30).

Table 1. Summary of the 184th DNA Exchange (DNA #1125)

A				B				C			
70 labs High / 61 labs Low		% (n)		70 labs High / 60 labs Low		% (n)		70 labs High / 57 labs Low		% (n)	
A*11:01:01:01	1 (1)	A*34:01:01:01	9 (6)	B*15:35:01:01	9 (6)			C*07:02:01:01	1 (1)		
A*11:01:01	53(37)	A*34:01:01	46(32)	B*15:35:01	47(33)			C*07:02:01	53(37)		
A*11:01:01G	3 (2)	A*34:01:01G	3 (2)	B*15:35P	1 (1)			C*07:02:01G	3 (2)		
A*11:01P	3 (2)	A*34:01P	3 (2)	B*15:35	43(30)			C*07:02P	3 (2)		
A*11:01	40(28)	A*34:01	40(28)	B*15(62)	60(36)			C*07:02	40(28)		
A*11	100(61)	A*34	100(61)	B*15	38(23)			C*07	100(57)		
				B*08	2 (1)						

DRB1				DRB3/4/5				DQA1			
71 labs High / 60 labs Low		% (n)		58 labs High / 39 labs Low		% (n)		64 labs High / 54 labs Low		% (n)	
DRB1*15:02:01:01	1 (1)			DRB5*01:01:01	43(25)			DQA1*01:02:01:01	2 (1)		
DRB1*15:02:01	45(32)			DRB5*01:01:01G	16(9)			DQA1*01:02:01	55(35)		
DRB1*15:02:01G	8 (6)			DRB5*01:01P	10(6)			DQA1*01:02:01G	3 (2)		
DRB1*15:02P	8 (6)			DRB5*01:01	31(18)			DQA1*01:02P	2 (1)		
DRB1*15:02	37(26)			DRB5*01	85(33)			DQA1*01:02	39(25)		
DRB1*15	100(60)			DRB5*PRESENT	15(6)			DQA1*01	100(54)		

DQB1				DPA1				DPB1			
73 labs High / 58 labs Low		% (n)		57 labs High / 40 labs Low		% (n)		69 labs High / 40 labs Low		% (n)	
DQB1*05:02:01:01	3 (2)			DPA1*02:02:02	46(26)	DPA1*02:02:02	7 (4)	DPB1*05:01:01	48(33)		
DQB1*05:02:01	44(32)			DPA1*02:02:02G	5 (3)	DPA1*02:02:02G	7 (4)	DPB1*05:01:01G	13(9)		
DQB1*05:02:01G	3 (2)			DPA1*02:02P	7 (4)	DPA1*02:02P	16(9)	DPB1*05:01P	7 (5)		
DQB1*05:02P	4 (3)			<i>DPA1*02:38Q</i>	2 (1)	DPA1*02:38Q	50(28)	DPB1*05:01	32(22)		
DQB1*05:02	47(34)			DPA1*02:02	39(22)	DPA1*02:02	18(10)	DPB1*05	100(40)		
DQB1*05	100(58)			<i>DPA1*02:07</i>	2 (1)	DPA1*02:07	2 (1)				
				DPA1*02	100(40)	DPA1*02	97(36)				
						<i>DPA1*03</i>	3 (1)				

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

Table 6. Summary of the 184th DNA Exchange (DNA #1130)

				B				C			
71 labs High / 53 labs Low		% (n)		71 labs High / 53 labs Low		% (n)		71 labs High / 50 labs Low		% (n)	
A*03:01:01:01	1 (1)	A*31:01:02:01	1 (1)	B*15:39:01:01	4 (3)	B*48:01:01	52(37)	C*03:04:01:01	1 (1)	C*04:01:01:06	1 (1)
A*03:01:01	46(33)	A*31:01:02	48(34)	B*15:39:01	52(37)	B*15:35:01	1 (1)	C*03:04:01:02	1 (1)	C*04:01:01	51(36)
A*11:01:01	1 (1)	A*34:01:01	1 (1)	B*15:35:01	1 (1)	B*48:01:01G	6 (4)	C*03:04:01	51(36)	C*07:02:01	1 (1)
A*03:01:01G	6 (4)	A*31:01:02G	6 (4)	B*15:39P	4 (3)	B*48:01P	3 (2)	C*07:02:01	1 (1)	C*04:01:01G	6 (4)
A*03:01P	3 (2)	A*31:01P	3 (2)	B*15:39	38(27)	B*48:01	38(27)	C*03:04:01G	4 (3)	C*04:01P	3 (2)
A*03:01	42(30)	A*31:01	41(29)	B*15(B62)	59(31)	B*48	98(52)	C*03:04P	3 (2)	C*04:01	38(27)
A*03	98(52)	A*31	98(52)	B*15	41(22)	B*15	2 (1)	C*03:04	38(27)	C*04	98(49)
A*11	2 (1)	A*34	2 (1)					C*03(Cw10)	56(28)	C*07	2 (1)
								C*03	42(21)		
								C*07	2 (1)		
DRB1				DRB3/4/5				DQA1			
70 labs High / 52 labs Low		% (n)		52 labs High / 30 labs Low		% (n)		61 labs High / 46 labs Low		% (n)	
DRB1*08:02:01	50(35)							DQA1*04:01:01	57(35)		
DRB1*15:02:01	1 (1)							DQA1*04:01:01G	3 (2)		
DRB1*08:02P	4 (3)							DQA1*04:01P	2 (1)		
DRB1*08:02	44(31)							DQA1*04:01	38(23)		
DRB1*08	98(51)							DQA1*04	96(44)		
DRB1*15	2 (1)							DQA1*01	2 (1)		
								DQA1*03	2 (1)		
DQB1				DPA1				DPB1			
72 labs High / 50 labs Low		% (n)		58 labs High / 33 labs Low		% (n)		69 labs High / 33 labs Low		% (n)	
DQB1*03:01:01:01	1 (1)	DQB1*04:02:01:04	3 (2)	DPA1*01:03:01:01	2 (1)	DPA1*02:01:01:02	5 (3)	DPB1*02:01:02	22(15)	DPB1*04:02:01	26(18)
DQB1*03:01:01	44(32)	DQB1*04:02:01	42(30)	DPA1*01:03:01	55(32)	DPA1*02:01:01	50(29)	DPB1*05:01:01	1 (1)	DPB1*05:01:01	1 (1)
DQB1*04:02:01	1 (1)	DQB1*05:02:01	1 (1)	DPA1*01:03:01G	5 (3)	DPA1*02:01:01G	5 (3)	DPB1*02:01:02G	30(21)	DPB1*04:02:01G	31(21)
DQB1*05:02:01	1 (1)	DQB1*04:02:01G	6 (4)	DPA1*01:03P	3 (2)	DPA1*02:01P	5 (3)	DPB1*02:01P	26(18)	DPB1*04:02P	25(17)
DQB1*03:01:01G	8 (6)	DQB1*04:02P	7 (5)	DPA1*01:03	34(20)	DPA1*02:01	34(20)	DPB1*02:01	20(14)	DPB1*04:02	16(11)
DQB1*03:01P	10(7)	DQB1*04:02	42(30)	DPA1*01	100(33)	DPA1*02	100(33)	DPB1*02(DP201)	100(33)	DPB1*04(DP402)	100(32)
DQB1*03:01	33(24)	DQB1*04	98(49)								
DQB1*03(DQ7)	60(30)	DQB1*05	2 (1)								
DQB1*03	38(19)										
DQB1*05	2 (1)										

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

Table 7. Individual laboratory results for DNA # 1125 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4345	11:01P	34:01P	15:35	15:35	07:02P	07:02P	15:02P	15:02P	5*01:01P	5*01:01P	01:02:01:01	01:02:01:01	05:02P	05:02P	02:02P	02:02P	05:01P	05:01P
4545	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:38Q	05:01	05:01
4582	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:38Q	05:01	05:01
4585	NT	NT	NT	NT	NT	NT	NT	NT	5*01:01	NT	01:02	NT	05:02:01	NT	NT	NT	05:01:01	NT
6051	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	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	02:38Q	05:01:01	05:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	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	02:02P	05:01P	05:01P
9227	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	15:02:01	15:02:01	NT	NT	NT	NT	05:02:01	05:02:01	NT	NT	05:01:01	05:01:01
9228	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:38Q	05:01	05:01
9230	11:01:01	34:01:01:01	15:35:01:01	15:35:01	07:02:01	07:02:01	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	05:01	05:01
9231	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	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	02:38Q	05:01:01	05:01:01
9232	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	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	02:38Q	05:01:01	05:01:01
45852	11:01:01	34:01:01	15:35:01	NT	07:02:01	NT	15:02:01	NT	5*01:01:01G	NT	01:02:01	NT	05:02:01	NT	02:02:02	02:02:02G	05:01:01	NT
Final Consensus based on High Resolution	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	NG	05:01	05:01

Table 8. Individual laboratory results for DNA # 1125 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	11:01:01	34:01:01:01	15:35:01:01	15:35:01:01	07:02:01	07:02:01	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	02:38Q	05:01:01	05:01:01
162	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	NT	NT
176	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	NT	NT	01:02	01:02	05:02	05:02	02:02	02:38Q	05:01	05:01
193	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	05:01:01G	05:01:01G
207	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	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	02:38Q	05:01:01	05:01:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	15:02	15:02	NT	NT	01:02	01:02	05:02	05:02	NT	NT	NT	NT
288	11:01P	34:01P	15:01P	15:01P	07:02P	07:02P	15:02P	15:02P	5*01:01P	5*01:01P	01:02P	01:02P	05:02P	05:02P	02:07	02:07	05:01P	05:01P
292	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	NT	NT
313	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	NT	NT	NT	NT	05:02	05:02	NT	NT	NT	NT
317	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	05:01	05:01
355	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	01:02	05:02	05:05	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05:01P	05:01P
4420	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	02:02	05:01	05:01
Final Consensus	11:01	34:01	15:35	15:35	07:02	07:02	15:02	15:02	5*01:01	5*01:01	01:02	01:02	05:02	05:02	02:02	NG	05:01	05:01

Table 9. Individual laboratory results for DNA # 1125 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	11	34	15(B62)	15(B62)	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
139	11	34	15(B62)	NT	07	NT	15	NT	NT	NT	01	NT	05	NT	02	NT	05	NT
144	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
147	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
148	11	34	15	15	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
152	11	34	15	15	NT	NT	15	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
162	11	34	15	15	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
188	11	34	15	15	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
190	11	34	15(B62)	15(B62)	07	07	15	15	5*PRESENT	5*PRESENT	NT	NT	05	05	NT	NT	NT	NT
192	11	34	15	15	07	07	15	15	5*01	NT	01	01	05	05	02	02	05	05
199	11	34	08	44	07	07	15	15	NT	NT	01	04	05	06	NT	NT	NT	NT
205	11	34	15(B62)	15(B62)	07	07	15	15	5*01	NT	01	01	05	05	02	02	05	05
207	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
213	11	34	15	15	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
228	11	34	15	15	07	07	15	15	5*PRESENT	5*PRESENT	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
255	11	34	15(B62)	15(B62)	NT	NT	15	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	11	34	15	15	07	07	15	15	5*PRESENT	5*PRESENT	01	01	05	05	NT	NT	NT	NT
265	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
266	11	34	15	15	07	07	15	15	NP	NP	01	01	05	05	02	02	05	05
267	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
279	11	34	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
285	11	34	15	15	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
286	11	34	15	NT	07	NT	15	NT	5*01	NT	01	NT	05	NT	02	NT	05	NT
288	11	34	15	15	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
292	11	34	15	15	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
293	11	34	15	15	07	07	15	15	5*PRESENT	5*PRESENT	01	01	05	05	02	03	05	05
294	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	NT	NT	05	05
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
304	11	34	15	15	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
305	11	34	15(B62)	15(B62)	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
309	11	34	15	15	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	11	34	15(B62)	15(B62)	07	07	15	15	NT	NT	01	01	05	05	02	02	05	05
334	11	34	15(B62)	15(B62)	07	07	15	15	NT	NT	01	01	05	05	02	02	05	05
340	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
343	11	34	15	15	07	07	15	15	5*PRESENT	NT	01	01	05	05	02	02	05	05
345	11	34	15	15	NT	NT	15	15	NT	NT	NT	NT	05	05	NT	NT	05	05
350	11	34	15	15	07	07	15	15	NT	NT	01	03	05	05	NT	NT	NT	NT
355	11	34	15(B62)	15(B62)	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
615	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	NT	NT
726	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
732	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
1189	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05

Table 9. Individual laboratory results for DNA # 1125 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
1251	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
1647	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
2347	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
3410	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	NT	NT	NT	NT	NT	NT
3438	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
3600	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	NT	NT
3849	11	34	15(B62)	15(B62)	07	07	15	15	5*PRESENT	5*PRESENT	01	01	05	05	02	02	05	05
4420	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
4582	11	34	15	15	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
4585	11	34	15	NT	07	NT	15	NT	5*01	NT	01	NT	05	NT	02	NT	05	NT
8050	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
8139	11	34	15	15	07	07	15	15	NT	NT	01	01	05	05	NT	NT	NT	NT
9221	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
9227	11	34	15	15	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
9228	11	34	15(B62)	15(B62)	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05
9231	11	34	15(B62)	15(B62)	07	07	15	15	NT	NT	01	01	05	05	02	02	05	05
Final Consensus	11	34	15	15	07	07	15	15	5*01	5*01	01	01	05	05	02	02	05	05

Table 10. Individual laboratory results for DNA # 1126 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:01:01G	03:01:01	05:05:01	03:01:01G	03:02:01G	01:03:01	01:03:01	02:01:02G	04:01:01G
16	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:01:01G	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
125	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	NT	NT	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
134	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01P	11:01P	3*02:02:01	4*01:01P	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
138	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
139	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02:01G	4*01:01:01G	03:01	05:05	03:01	03:02	01:03	01:03	02:01:02G	04:01:01G
144	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02P	4*01:03:01	03:01:01	05:05:01	03:01P	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
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
155	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02:01G	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01:02G	04:01:01G
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
185	01:01:01G	68:01:02G	08:01:01G	44:02:01G	07:01:01G	07:04:01G	04:01P	11:01P	3*02:02P	4*01:01P	03:01:01G	05:01:01G	03:01P	03:02P	NT	NT	02:01:02G	04:01:01G
188	01:01:01	68:01:02:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01P	11:01P	NT	NT	03:01:01:01	05:05:01	03:01:01	03:02:01:01	01:03:01	01:03:01	02:01:02	04:01:01
189	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
190	01:01:01	68:01:02:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01P	11:01P	3*02:02:01	4*01:01P	03:01:01:01	05:05:01	03:01:01	03:02:01:01	01:03:01	01:03:01	02:01:02	04:01:01
192	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:01:01G	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02G	04:01:01G
205	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
213	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:01P	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
218	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	02:01	04:01
227	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
239	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
245	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
258	01:01:01	68:01:02:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01	3*02:02:01	4*01:03	03:01:01:01	05:05:01	03:01:01	03:02	01:03	01:03	02:01	04:01
264	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
266	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01P	04:01P
267	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:01	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
279	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	03:01	05:05	03:01	03:02	NT	NT	02:01	04:01
280	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:01:01G	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
294	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:01P	03:01	05:05	03:01	03:02	NT	NT	02:01	04:01
298	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	05:01	NT	NT	NT	NT	NT	NT
321	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02P	4*01:01P	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
340	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
345	01:01	68:01	08:01	44:02:01	07:01	07:04:01	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	02:01	04:01
353	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
402	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02P	4*01:01P	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
403	01:01:01	68:01:02	08:01:01	40:01:02	07:01:01	07:04:01	04:01:01G	11:01:01G	NT	NT	NT	NT	03:01:01G	03:02:01G	NT	NT	02:01:02	04:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	01:01	68:01	08:01	44:02	07:01	07:04	04:01P	11:01P	3*02:02	4*01:01P	03:01	05:05	03:01P	03:02P	01:03P	01:03P	02:01	04:01
1189	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1426	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
1647	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:01P	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
1686	01:01:01:01	68:01:02:02	08:01:01:01	44:02:01	07:01:01:01	07:04:01:03	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
2015	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01P	11:01P	NT	NT	03:01:01	05:05:01	03:01:01	03:02:01	NT	NT	02:01:02	04:01:01
2063	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	01:01	68:01	08:01	44:02	07:01	07:04	04:01:01G	11:01:01G	3*02:02	4*01:01P	03:01	05:05	03:01	03:02	01:03	01:03	02:01:02G	04:01:01G
2862	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:01:01G	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	NT	02:01:02	04:01:01
3410	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	02:01	04:01
3438	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
3582	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
3614	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02:01G	4*01:01:01G	03:01	05:05	03:01	03:02	01:03	01:03	02:01:02G	04:01:01G
3625	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
3849	01:01:01G	68:01:02G	08:01:01G	44:02:01G	07:01:01G	07:04:01G	04:01:01G	11:01:01G	3*02:02:01G	4*01:01:01G	03:01:01G	05:01:01G	03:01:01G	03:02:01G	01:03:01G	01:03:01G	02:01:02G	04:01:01G

Table 10. Individual laboratory results for DNA # 1126 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4345	01:01:01:01	68:01P	08:01P	44:02:01:01	07:01:01:01	07:04P	04:01P	11:01:01G	3*02:02:01:01	4*01:01:01G	03:01P	05:01P	03:01:01:01	03:02P	01:03:01:01	01:03:01:01	02:01P	04:01:01:01
4545	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
4582	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01P	04:01P
9227	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	NT	NT	NT	NT	03:01:01	03:02:01	NT	NT	02:01:02	04:01:01
9228	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:03	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
9230	01:01:01	68:01:02:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01	3*02:02:01	4*01:03	03:01:01:01	05:05:01	03:01:01	03:02	01:03	01:03	02:01	04:01
9231	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
9232	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
45852	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01G	4*01:01:01G	03:01:01	05:05:01	03:01:01G	03:02:01	01:03:01	NT	02:01:02	04:01:01

Final Consensus based on High Resolution	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	NG	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
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Table 11. Individual laboratory results for DNA # 1126 High Resolution

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1	DQB1		DPA1		DPB1			
124	01:01:01	68:01:02:02	08:01:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:03:01	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01:01	01:03:01:04	02:01:02	04:01:01
162	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
176	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
193	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
207	01:01:01	68:01:02	08:01:01	44:02:01	07:01:01	07:04:01	04:01:01	11:01:01	3*02:02:01	4*01:01P	03:01:01	05:05:01	03:01:01	03:02:01	01:03:01	01:03:01	02:01:02	04:01:01
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	05:05	NT	NT	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	04:01	11:01	NT	NT	03:01	05:05	03:01	03:02	NT	NT	NT	NT
288	01:01P	68:01P	08:01P	44:02P	07:01P	07:04P	04:01P	11:01P	3*02:02P	4*01:03	03:01P	05:01P	03:01P	03:02P	01:03P	01:03P	02:01P	04:01P
292	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
313	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	NT	NT	NT	NT	03:01	03:02	NT	NT	NT	NT
317	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:01	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
355	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	05:01	03:01	03:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	04:01P
4420	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	4*01:01	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01
Final Consensus	01:01	68:01	08:01	44:02	07:01	07:04	04:01	11:01	3*02:02	NG	03:01	05:05	03:01	03:02	01:03	01:03	02:01	04:01

Table 12. Individual laboratory results for DNA # 1126 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	NT	NT	NT	NT
139	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	01	NT	02(DP201)	04(DP401)
144	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
147	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
148	01	68	08	44	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
152	01	68	08	44	NT	NT	04	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
162	01	68	08	44	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
188	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
190	01	68	08	44	07	07	04	11	3*PRESENT	4*PRESENT	NT	NT	03(DQ7)	03(DQ8)	NT	NT	NT	NT
192	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03	03	01	01	02(DP201)	04(DP401)
199	01	68	NT	NT	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
205	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
207	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
213	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
215	01	68	08	44	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
227	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
228	01	68	08	44	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
242	01	68	08	44	07	NT	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
255	01	68	08	44	NT	NT	04	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
262	01	68	08	44	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
265	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
266	01	68	08	44	07	07	04	11	NP	NP	03	05	03	03	01	01	02(DP201)	04(DP401)
267	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
285	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
286	01	68	08	44	07	NT	04	11	3*02	4*01	03	05	03	NT	01	NT	02(DP201)	04(DP401)
288	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03	03	01	01	02(DP201)	04(DP401)
292	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
293	01	68	08	44	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	01	01	02(DP201)	04(DP401)
294	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	NT	NT	NT	NT
300	01	68	08	44	07	07	04	11	NT	NT	NT	NT	03(DQ7)	03(DQ8)	NT	NT	NT	NT
304	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
305	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	NT	NT	NT	NT
309	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03	03	01	01	02(DP201)	04(DP401)
311	01	68	08	44	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03	03	NT	NT	NT	NT
318	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
334	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
340	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
343	01	68	08	44	07	07	04	11	3*PRESENT	4*PRESENT	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
345	01	68	08	44	NT	NT	04	11	NT	NT	NT	NT	03	03	NT	NT	02(DP201)	04(DP401)
350	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
355	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
615	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	NT	NT
726	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
732	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
1189	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)

Table 12. Individual laboratory results for DNA # 1126 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
1251	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
1647	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03	03	01	01	02(DP201)	04(DP401)
2347	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
3410	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03	05	NT	NT	NT	NT	NT	NT
3438	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	NT	NT	NT	NT
3600	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	NT	NT
3849	01	68	08	44	07	07	04	11	3*02	4*PRESENT	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
4420	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
4582	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
4585	01	68	08	44	07	NT	04	11	3*02	4*01	03	05	03	NT	01	NT	02(DP201)	04(DP401)
8050	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
8139	01	68	08	44	07	07	04	11	NT	NT	03	05	03	03	NT	NT	NT	NT
9221	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
9227	01	68	08	44	07	07	04	11	NT	NT	NT	NT	03	03	NT	NT	NT	NT
9228	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
9231	01	68	08	44	07	07	04	11	NT	NT	03	05	03(DQ7)	03(DQ8)	01	01	02(DP201)	04(DP401)
Final Consensus	01	68	08	44	07	07	04	11	3*02	4*01	03	05	03	03	01	01	02(DP201)	04(DP401)

Table 13. Individual laboratory results for DNA # 1127 using Next Generation Sequencing

CENTER	A		B		C		DRB1	DRB3/4/5	DQA1	DQB1		DPA1		DPB1				
7	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:01:01G	03:01:01	11:15:01	3*02:02:01G	3*02:02:01G	05:01	05:05	02:01:01G	03:01:01G	02:01	02:01	01:01:01G	17:01:01
16	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01G	3*02:02:01G	05:01:01G	05:01:01G	02:01:01	03:01:01	02:01:01G	02:01:02	01:01:01	17:01:01
125	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	NT	NT	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01G	17:01:01G
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
139	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
144	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:01P	03:01:01	11:15:01	3*02:02P	3*02:02P	05:01	05:05	02:01:01	03:01P	02:01	02:01	01:01:01	17:01:01
147	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
155	02:01	02:01	44:02	45:01	07:04	16:01:01G	03:01:01G	11:15	3*02:02:01G	3*02:02:01G	05:01	05:05	02:01	03:01	02:01	02:01	01:01:01G	17:01
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
185	02:01:01G	02:01:01G	44:02:01G	45:01:01G	07:04:01G	16:01:01G	03:01P	11:15	3*02:02P	3*02:02P	05:01:01G	05:01:01G	02:01P	03:01P	NT	NT	01:01:01G	17:01:01G
188	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01P	11:15:01	NT	NT	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01:08	02:01:02:02	01:01:01	17:01:01
189	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01:01G	17:01:01G
190	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01P	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01	02:01	01:01:01	17:01:01
192	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01G	NT	05:01	05:05	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
205	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	NT	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
213	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01P	17:01P
218	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	NT	NT	NT	NT	02:01	03:01:01G	NT	NT	01:01	17:01
227	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01	05:05	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
239	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
245	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
258	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01	11:15:01	3*02:02	3*02:02:01	05:01:01	05:05:01	02:01	03:01:01	02:01	02:01	01:01:01	17:01:01
264	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01G	02:01:02	01:01:01G	17:01:01G
266	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01P	17:01P
267	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:01P	03:01:01	11:15:01	3*02:02	3*02:02	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
279	02:01	02:01	44:02	45:01	07:04	16:112	03:01P	11:15	NT	NT	05:01	05:05	02:01	03:01	NT	NT	01:01	17:01
280	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01G	3*02:02:01	05:01:01G	05:01:01G	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
294	02:01P	02:01P	44:02	45:01	07:04	16:112	03:01	11:15	NT	NT	05:01	05:05	02:01	03:01	NT	NT	01:01P	17:01P
298	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01	05:05	02:01:01	03:01:01	02:01:01	02:01:02	01:01	17:01
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
321	02:01:01	02:01:01	44:02:01	45:01:01	07:04P	16:01P	03:01:01	11:15:01	3*02:02P	3*02:02P	05:01P	05:01P	02:01:01	03:01:01	02:01P	02:01P	01:01:01	17:01:01
340	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:01P	03:01:01	11:15:01	3*02:02:01	NT	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
345	02:01	02:01	44:02:01	45:01:01	07:04:01	16:112	03:01	11:15	NT	NT	NT	NT	02:01	03:01	NT	NT	01:01	17:01:01
353	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
402	02:01	02:01	44:02	45:01	07:04	16:01P	03:01	11:15	3*02:02P	3*02:02P	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
403	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01G	11:15:01	NT	NT	NT	NT	02:01:01G	03:01:01G	NT	NT	01:01:01	17:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	02:01	02:01	44:02	45:01	07:04	16:112	03:01P	11:15	3*02:02P	3*02:02	05:01	05:05	02:01:01G	03:01P	02:01P	02:01P	01:01	17:01P
1189	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1426	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01G	11:15:01	3*02:02:01G	3*02:02:01G	05:01	05:05	02:01:01	03:01:01	02:01	02:01	01:01:01	17:01:01
1647	02:01	02:01	44:02	45:01	07:04	16:01P	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
1686	02:01:01:01	02:01:01:01	44:02:01	45:01:01	07:04:01:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01	05:05	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01G	17:01:01G
2015	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01P	11:15:01	NT	NT	05:01P	05:01P	02:01:01	03:01:01	NT	NT	01:01:01	17:01:01
2063	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	02:01	44:02	45:01	07:04	16:112	03:01:01G	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
2862	02:01:01	NT	44:02:01	45:01:01	07:04:01	16:01:01G	03:01:01	11:15:01	3*02:02:01G	NT	05:01:01G	NT	02:01:01	03:01:01	02:01:01G	02:01:02	01:01:01	17:01:01
3410	02:01	02:01	44:02	45:01	07:04	16:01P	03:01	11:15	NT	NT	NT	NT	02:01	03:01	NT	NT	01:01	17:01
3438	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:01:01G	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01	01:01:01	17:01:01
3582	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
3614	02:01	02:01	44:02	45:01	07:04	16:01:01G	03:01:01G	11:15	3*02:02:01G	3*02:02:01G	05:01	05:05	02:01	03:01	02:01	02:01	01:01:01G	17:01:01G
3625	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02	NT	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
3849	02:01:01G	02:01:01G	44:02:01G	45:01:01G	07:04:01G	16:01:01G	03:01:01G	11:15:01	3*02:02:01G	3*02:02:01G	05:01:01G	05:01:01G	02:01:01G	03:01:01G	02:01:01G	02:01	01:01:01G	17:01:01G

Table 13. Individual laboratory results for DNA # 1127 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4345	02:01:01:01	02:01:01:01	44:02:01:01	45:01P	07:04P	16:01P	03:01:01:01	11:15	3*02:02:01:01	3*02:02:01:01	05:01P	05:01P	02:01P	03:01:01:01	02:01P	02:01P	01:01P	17:01P
4545	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01:01G	17:01:01G
4582	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01:01G	17:01:01G
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01	05:05	02:01:01	03:01:01	02:01P	02:01P	01:01P	17:01P
9227	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	NT	NT	NT	NT	02:01:01	03:01:01	NT	NT	01:01:01	17:01:01
9228	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
9230	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01	11:15:01	3*02:02	3*02:02:01	05:01:01	05:05:01	02:01	03:01	02:01	02:01	01:01:01	17:01:01
9231	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01	17:01:01
9232	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01	05:05	02:01:01	03:01:01	02:01:01	02:01:02	01:01:01G	17:01:01G
45852	02:01:01	NT	44:02:01	45:01:01	07:04:01	16:01:01G	03:01:01	11:15:01	3*02:02:01G	NT	05:01:01G	05:01:01G	02:01:01	03:01:01	02:01:01G	02:01:02	01:01	17:01:01
Final Consensus based on High Resolution	02:01	02:01	44:02	45:01	07:04	NG	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01

Table 14. Individual laboratory results for DNA # 1127 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01:01	05:05:01	02:01:01	03:01:01	02:01:01:08	02:01:02:02	01:01:01	17:01:01
162	02:01	02:01	44:02	45:01	07:04	16:01	03:01	11:15	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
176	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	NT	NT	05:01	05:05	02:01	03:01	02:01	02:01	01:01:01G	17:01:01G
193	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
207	02:01:01	02:01:01	44:02:01	45:01:01	07:04:01	16:112	03:01:01	11:15:01	3*02:02:01	3*02:02:01	05:01	05:05	02:01:01	03:01:01	02:01	02:01	01:01P	17:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05:01	05:05	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
288	02:01P	02:01P	44:02P	45:01P	07:04P	16:01P	03:01P	11:01P	3*02:02P	3*02:02P	05:01P	05:01P	02:01P	03:01P	02:01P	02:01P	01:01P	17:01P
292	02:01	02:01	44:02	45:01	07:04	16:01	03:01	11:15	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
313	02:01	02:01	44:02	45:01	07:04	16:112	03:01	11:15	NT	NT	NT	NT	02:01	03:01	NT	NT	NT	NT
317	02:01	02:01	44:02	45:01	07:04	16:01	03:01	11:01	3*02:02	3*02:02	05:01	05:01	02:01	03:01	02:01	02:01	01:01	17:01
355	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05:01	05:01	02:01	03:01	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	17:01P
4420	02:01	02:01	44:02	45:01	07:04	16:01	03:01	11:01	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01
Final Consensus	02:01	02:01	44:02	45:01	07:04	NG	03:01	11:15	3*02:02	3*02:02	05:01	05:05	02:01	03:01	02:01	02:01	01:01	17:01

Table 15. Individual laboratory results for DNA # 1127 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	02	44	45	07	16	03(DR17)	11	NT	NT	NT	NT	02	03(DQ7)	NT	NT	01	17
139	02	NT	44	45	07	16	03(DR17)	11	NT	NT	05	05	02	03(DQ7)	02	02	01	17
144	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02	02	44	45	07	16	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
152	02	02	44	45	NT	NT	03	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	NT	NT	NT	NT	NT	NT	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
162	02	02	44	45	07	16	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
188	02	02	44	45	07	16	03	15	NT	NT	05	05	02	03	NT	NT	NT	NT
190	02	02	44	45	07	16	03(DR17)	11	3*PRESENT	3*PRESENT	NT	NT	02	03(DQ7)	NT	NT	NT	NT
192	02	02	44	45	07	16	03	11	3*02	NT	05	05	02	03	02	02	01	17
199	02	02	44	45	07	16	03	11	NT	NT	05		02	03	NT	NT	NT	NT
205	02	02	44	45	07	16	03(DR17)	11	3*02	NT	05	05	02	03	02	02	01	17
207	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
213	02	02	44	45	07	16	03	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
228	02	02	44	45	07	16	03	11	3*PRESENT	3*PRESENT	05	05	02	03	NT	NT	NT	NT
242	02	NT	44	45	07	16	03	11	3*PRESENT	NT	05	05	02	03	NT	NT	NT	NT
255	02	02	44	45	NT	NT	03(DR17)	11	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	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
266	02	02	44	45	07	16	03	11	NP	NP	05	05	02	03	02	02	01	17
267	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	02	NT	44	45	07	16	03	11	3*02	NT	05	NT	02	03	02	NT	01	17
288	02	02	44	45	07	16	03	11	3*02	3*02	05	05	02	03	02	02	01	17
292	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
293	02	02	44	45	07	16	03	11	3*PRESENT	3*PRESENT	05	05	02	03	02	02	01	17
294	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	NT	NT	01	17
300	02	02	44	45	07	16	03	11	NT	NT	NT	NT	02	03(DQ7)	NT	NT	NT	NT
304	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
305	02	02	44	45	07	16	03(DR17)	11	NT	NT	05	05	02	03(DQ7)	NT	NT	NT	NT
309	02	02	44	45	07	16	03	13	3*02	3*02	05	05	02	03	02	02	01	17
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03(DQ7)	02	02	01	17
334	02	02	44	45	07	16	03(DR17)	11	NT	NT	05	05	02	03(DQ7)	02	02	01	17
340	02	02	44	45	07	16	03(DR17)	11	3*02	NT	05	05	02	03(DQ7)	02	02	01	17
343	02	02	44	45	07	16	03	11	3*PRESENT	NT	05	05	02	03(DQ7)	01	NT	03	11
345	02	02	44	45	NT	NT	03	11	NT	NT	NT	NT	02	03	NT	NT	01	17
350	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
355	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
519	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
615	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	NT	NT
726	02	02	44	45	07	16	03	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
732	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
1189	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17

Table 15. Individual laboratory results for DNA # 1127 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
1251	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
1647	02	02	44	45	07	16	03	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
2347	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
3410	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	05	05	NT	NT	NT	NT	NT	NT
3438	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03(DQ7)	NT	NT	NT	NT
3600	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	NT	NT
3849	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
4420	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03	02	02	01	17
4582	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
8139	02	02	44	45	07	16	03	11	NT	NT	05	05	02	03	NT	NT	NT	NT
9221	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
9227	02	02	44	45	07	16	03	11	NT	NT	NT	NT	02	03	NT	NT	NT	NT
9228	02	02	44	45	07	16	03(DR17)	11	3*02	3*02	05	05	02	03(DQ7)	02	02	01	17
9231	02	02	44	45	07	16	03(DR17)	11	NT	NT	05	05	02	03(DQ7)	02	02	01	17
Final Consensus	02	02	44	45	07	16	03	11	3*02	3*02	05	05	02	03	02	02	01	17

Table 16. Individual laboratory results for DNA # 1128 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01G	08:02:01	4*01:01:01G	NP	02:01:01	04:01:01	02:01:01G	04:02:01G	01:03:01	02:01:01	04:02:01G	17:01:01G
16	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01G	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
125	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	NT	NT	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02P	17:01P
139	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
144	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01P	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02P	17:01P
147	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	05:03	04:02	01:03	02:01	04:02	17:01
148	23:01:01:01	31:01:02G	35:17:01:01	44:03:01G	04:01:01G	04:01:01G	07:01:01G	08:02:01	NT	NT	NT	NT	02:01:01G	04:02:01G	NT	NT	04:02:01G	17:01:01G
155	23:01	31:01	35:17	44:03	04:01	04:01	07:01:01G	08:02	4*01:01:01G	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
173	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
185	23:01:01G	31:01:02G	35:17:01G	44:03:01G	04:01:01G	04:01:01G	07:01P	08:02P	4*01:01P	NP	02:01:01G	04:01:01G	02:01P	04:02P	NT	NT	04:02:01G	17:01:01G
188	23:01:01:01	31:01:02	35:17:01:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	NT	NT	02:01:01	04:01:01	02:02:01	04:02:01:04	01:03:01	02:01:01:03	04:02:01	17:01:01
189	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01:01G
190	23:01:01:01	31:01:02	35:17:01:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01:04	01:03:01	02:01:01:03	04:02:01	17:01:01
192	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
205	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
213	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02P	17:01P
218	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	04:02	17:01
227	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
239	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
245	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
258	23:01:01:01	31:01:02	35:17:01:01	44:03:01	04:01:01	04:01:01	07:01	08:02	4*01:01:01	NP	02:01:01	04:01:01	02:02	04:02	01:03	02:01:01:03	04:02:01	17:01:01
264	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01G	02:01:01G	04:02:01G	17:01:01G
266	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02P	17:01P
267	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
279	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	02:01	04:01	02:02	04:02	NT	NT	04:02	17:01
280	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01G	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
294	23:01	31:01	35:17	44:03	04:01	04:01	07:01P	08:02	NT	NT	02:01	04:01	02:02	04:02	NT	NT	04:02P	17:01
298	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02	17:01
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
321	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01P	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02P	17:01P
340	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
345	23:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	04:02:01	17:01
353	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
402	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01P	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02P	17:01P
403	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01G	08:02	NT	NT	NT	NT	02:01:01G	04:02:01G	NT	NT	04:02:01	17:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
805	23:01	31:01	35:17	44:03	04:01	04:01	07:01:01G	08:02	4*01:01	NP	02:01	04:01	02:01P	04:02P	01:03P	02:01	04:02	17:01
1189	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1426	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01G	02:01:01G	04:02:01	17:01:01
1647	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01P	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
1686	23:01:01:01	31:01:02:01	35:17:01:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
2015	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	NT	NT	02:01:01	04:01:01	02:02:01	04:02:01	NT	NT	04:02P	17:01P
2063	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01
2862	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	NT	07:01:01	08:02:01	4*01:01:01G	NT	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
3410	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	04:02	17:01
3438	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
3582	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
3614	23:01	31:01	35:17	44:03	04:01	04:01	07:01:01G	08:02	4*01:01:01G	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01:01G
3625	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01	NT	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
3849	23:01:01G	31:01:02G	35:17:01G	44:03:01G	04:01:01G	04:01:01G	07:01:01G	08:02:01	4*01:01:01G	NP	02:01:01G	04:01:01G	02:01:01G	04:02:01G	01:03:01G	02:01:01G	04:02:01G	17:01:01G

Table 16. Individual laboratory results for DNA # 1128 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4345	23:01P	31:01:02G	35:17	44:03P	04:01:01:01	04:01:01:01	07:01:01:01	08:02P	4*01:01:01:01	4*01:01:01:01	02:01	04:01P	02:01P	04:02P	01:03:01:01	02:01P	04:02:01:01	17:01P
4545	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01:01G
4582	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01:01G
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02P	17:01P
9227	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	NT	NT	NT	NT	02:02:01	04:02:01	NT	NT	04:02:01	17:01:01
9228	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
9230	23:01:01:01	31:01:02	35:17:01:01	44:03:01	04:01:01	04:01:01	07:01	08:02	4*01:01:01	NP	02:01:01	04:01:01	02:02	04:02	01:03	02:01:01:03	04:02:01	17:01:01
9231	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01	17:01:01
9232	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G
45852	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	NT	07:01:01	08:02:01	4*01:01:01G	NT	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02:01G	17:01:01G

Final Consensus based on High Resolution	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
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Table 17. Individual laboratory results for DNA # 1128 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	23:01:01:01	31:01:02	35:17:01	44:03:01:19	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01:03	04:02:01	17:01:01:01
162	23:01:01G	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	NT	NT
176	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	02:01	04:01	02:02	04:02	01:03	02:01	04:02:01G	17:01:01G
193	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	04:02:01G	17:01:01G
207	23:01:01	31:01:02	35:17:01	44:03:01	04:01:01	04:01:01	07:01:01	08:02:01	4*01:01:01	NP	02:01:01	04:01:01	02:02:01	04:02:01	01:03:01	02:01:01	04:02P	17:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	04:01	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
288	23:01P	31:01P	35:17	44:03P	04:01P	04:01P	07:01P	08:02P	4*01:01P	NP	02:01	04:01P	02:01P	04:02P	01:03P	02:01P	04:02P	17:01P
292	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	NT	NT
313	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	NT	NT	NT	NT	02:02	04:02	NT	NT	NT	NT
317	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
355	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	04:01	02:02	04:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:02P	17:01P
4420	23:01	31:01	35:05	44:03	04:01	04:01	07:01	08:02	4*01:01	NT	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01

Final Consensus	23:01	31:01	35:17	44:03	04:01	04:01	07:01	08:02	4*01:01	NP	02:01	04:01	02:02	04:02	01:03	02:01	04:02	17:01
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Table 18. Individual laboratory results for DNA # 1128 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	23	31	35	44	04	04	07	08	NT	NT	NT	NT	02	04	NT	NT	04(DP402)	17
139	23	31	35	44	04	NT	07	08	NT	NT	02	04	02	04	01	02	04(DP402)	17
144	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
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
152	23	31	35	44	NT	NT	07	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
162	23	31	35	44	04	04	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
188	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
190	23	31	35	44	04	04	07	08	4*PRESENT	NP	NT	NT	02	04	NT	NT	NT	NT
192	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
199	23	31	35	44	04	NT	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
205	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
207	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
213	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP401)	17
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
228	23	31	35	44	04	04	07	08	4*PRESENT	NP	02	04	02	04	NT	NT	NT	NT
242	23	31	35	44	04	NT	07	08	4*PRESENT	NT	02	04	02	04	NT	NT	NT	NT
255	23	31	35	44	NT	NT	07	08	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	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
266	23	31	35	44	04	04	07	08	NP	NP	02	04	02	04	01	02	04(DP402)	17
267	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
292	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
293	23	31	35	44	04	04	07	08	4*PRESENT	NP	02	04	02	04	01	02	04(DP402)	17
294	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	NT	NT	04(DP402)	17
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
304	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
305	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
309	23	31	35	44	04	04	07	08	4*01	4*01	02	04	02	04	01	02	04(DP402)	17
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	01	02	04(DP402)	17
334	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	01	02	04(DP402)	17
340	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
343	23	31	35	44	04	04	07	08	NT	NT	02	01	02	04	NT	NT	NT	NT
345	23	31	35	44	NT	NT	07	08	NT	NT	NT	NT	02	04	NT	NT	04(DP402)	17
350	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
355	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
402	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	01	02	04(DP402)	17
519	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
615	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	NT	NT
726	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
732	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
1189	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17

Table 18. Individual laboratory results for DNA # 1128 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
1251	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
1647	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
2347	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
3410	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02	04	NT	NT	NT	NT	NT	NT
3438	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
3600	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	NT	NT
3849	23	31	35	44	04	04	07	08	4*PRESENT	NP	02	04	02	04	01	02	04(DP402)	17
4420	23	31	35	44	04	04	07	08	4*01	NT	02	04	02	04	01	02	04(DP402)	17
4582	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
8139	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	NT	NT	NT	NT
9221	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
9227	23	31	35	44	04	04	07	08	NT	NT	NT	NT	02	04	NT	NT	NT	NT
9228	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17
9231	23	31	35	44	04	04	07	08	NT	NT	02	04	02	04	01	02	04(DP402)	17
Final Consensus	23	31	35	44	04	04	07	08	4*01	NP	02	04	02	04	01	02	04(DP402)	17

Table 19. Individual laboratory results for DNA # 1129 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01G	5*01:01:01G	NP	01:01:02	01:02:01	05:01:01G	06:02:01G	02:01:01	03:01:01G	11:01:01	40:01:01
16	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01G	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01G	40:01:01G
125	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	NT	NT	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01:01	40:01:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
139	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03:01G	NEW	NT	01:01	01:02	05:01	06:02	02:01	03:05	11:01	40:01
144	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01P	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01P	11:01:01	40:01:01
147	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
148	02:05:01:01	68:05	53:01:01:01	58:01:01G	04:01:01G	07:18:01:01	01:02:01	15:03:01G	NT	NT	NT	NT	05:01:01G	06:02:01G	NT	NT	11:01:01G	40:01:01G
155	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03:01G	5*01:01:01G	NP	01:01	01:02	05:01	06:02	02:01	03:05	11:01	40:01
158	02:05P	68:05	53:01P	58:01P	04:01P	07:01P	01:02P	15:03P	NT	NT	NT	NT	05:01P	06:02P	NT	NT	11:01P	40:01
173	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
185	02:05:01G	68:05	53:01:01G	58:01:01G	04:01:01G	07:01:01G	01:02P	15:03P	5*01:01P	NP	01:01:01G	01:02:01G	05:01P	06:02P	NT	NT	11:01:01G	40:01:01G
188	02:05:01:01	68:05	53:01:01:01	58:01:01	04:01:01	07:18:01:01	01:02:01	15:03:01	NT	NT	01:01:02	01:02:01	05:01:01:01	06:02:01	02:01:01	03:05:01	11:01P	40:01P
189	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01:01G	40:01:01G
190	02:05:01:01	68:05	53:01:01:01	58:01:01	04:01:01	07:18:01:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01:01	06:02:01	02:01:01	03:05:01Q	11:01P	40:01P
192	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01:01	40:01:01
205	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
213	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:01P	11:01	40:01
218	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	NT	NT	05:01	06:02	NT	NT	11:01	40:01
227	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01:01G	11:01:01	40:01:01
239	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
245	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
258	02:05:01:01	68:05	53:01:01:01	58:01:01	04:01:01	07:18:01:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01	06:02	02:01:01	03:05:01Q	11:01:01	40:01:01
264	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
266	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:01P	11:01	40:01
267	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01P	11:01P	40:01P
279	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03P	NT	NT	01:01	01:02	05:01	06:02	NT	NT	11:01	40:01
280	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01G	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
294	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03P	NT	NT	01:01	01:02	05:01	06:02	NT	NT	11:01P	40:01
298	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01	40:01
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	NT	NT	NT	NT	NT	NT
321	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01P	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01P	11:01P	40:01
340	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01P	11:01:01	40:01:01
345	02:05:01	68:05	53:01	58:01	04:01	07:18:01	01:02:01	15:03:01	NT	NT	NT	NT	05:01	06:02	NT	NT	11:01:01	40:01:01
353	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	5*01:01:01	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
402	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01P	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01P	40:01
403	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01G	NT	NT	NT	NT	05:01:01G	06:02:01G	NT	NT	11:01:01	40:01:01
726	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
805	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03P	5*01:01	NP	01:01	01:02	05:01P	06:02P	02:01P	03:05Q	11:01	40:01
1189	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
1251	02:05:01G	68:05	53:01:01G	58:01:01G	04:01:01G	07:01:01G	01:02:01	15:03:01G	5*01:01:01G	NP	NT	NT	05:01:01G	06:02:01G	NT	NT	11:01:01G	40:01:01G
1426	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01:01G	11:01:01	40:01:01
1647	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
1686	02:05:01:01	68:05	53:01:01:01	58:01:01	04:01:01	07:18:01:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01G	40:01:01G
2015	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	NT	NT	01:01:02	01:02:01	05:01:01	06:02:01	NT	NT	11:01P	40:01
2063	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
2347	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01P	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01P	40:01
2518	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05:01Q	11:01	40:01
2862	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01G	NT	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01:01G	11:01:01G	40:01:01G
3410	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	NT	NT	05:01	06:02	NT	NT	11:01	40:01
3438	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01:01	40:01:01
3582	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
3614	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03:01G	5*01:01:01G	NP	01:01	01:02	05:01	06:02	02:01	03:01:01G	11:01:01G	40:01:01G
3625	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NT	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01	40:01:01
3849	02:05:01G	68:05	53:01:01G	58:01:01G	04:01:01G	07:01:01G	01:02	15:03:01G	5*01:01:01G	NP	01:01:01G	01:02:01G	05:01:01G	06:02:01G	02:01:01G	03:01:01G	11:01:01G	40:01:01G

Table 19. Individual laboratory results for DNA # 1129 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4345	02:05P	68:05	53:01P	58:01P	04:01:01:01	07:01P	01:02P	15:03:01:01	5*01:01P	5*01:01P	01:01P	01:02:01:01	05:01:01:01	06:02P	02:01P	03:01P	11:01P	40:01P
4545	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01:01G	40:01:01G
4582	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01:01G	40:01:01G
4585	NT	NT	NT	NT	NT	NT	01:02:01	15:03:01	5*01:01	NT	01:02	NT	NT	NT	NT	NT	11:01:01	40:01:01
6051	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01:01	40:01:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01G	40:01:01G
9227	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	NT	NT	NT	NT	05:01:01	06:02:01	NT	NT	11:01:01	40:01:01
9228	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:05Q	11:01	40:01
9230	02:05:01:01	68:05	53:01:01:01	58:01:01	04:01:01	07:18:01:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01	06:02	02:01:01	03:05:01Q	11:01:01	40:01:01
9231	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01:01	40:01:01
9232	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01Q	11:01:01G	40:01:01G
45852	02:05:01	68:05	53:01:01G	58:01:01G	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01G	NT	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:01:01G	11:01:01G	40:01:01G

Final Consensus based on High Resolution	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	NG	11:01	40:01
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Table 20. Individual laboratory results for DNA # 1129 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	02:05:01:01	68:05	53:01:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01:01:01	40:01:01
162	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
176	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	01:01	01:02	05:01	06:02	02:01	03:05	11:01:01G	40:01:01G
193	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	NT	NT	05:01	06:02	NT	NT	11:01	40:01
207	02:05:01	68:05	53:01:01	58:01:01	04:01:01	07:18:01	01:02:01	15:03:01	5*01:01:01	NP	01:01:02	01:02:01	05:01:01	06:02:01	02:01:01	03:05:01	11:01P	40:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	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
288	02:05P	68:01P	53:01P	58:01P	04:01P	07:01P	01:02P	15:03P	5*01:01P	NP	01:01P	01:02P	05:01P	06:02P	02:01P	03:01P	11:01P	40:01P
292	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
313	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	NT	NT	NT	NT	05:01	06:02	NT	NT	NT	NT
317	02:05	68:05	53:01	58:01	04:01	07:01	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	03:01	11:01	40:01
355	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	01:02	05:01	06:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	11:01P	40:01
4420	02:05	68:03	53:01	58:01	04:01	07:18	01:02	15:01	5*01:01	NT	01:01	01:02	05:01	06:02	02:01	03:01	11:01	40:01
Final Consensus	02:05	68:05	53:01	58:01	04:01	07:18	01:02	15:03	5*01:01	NP	01:01	01:02	05:01	06:02	02:01	NG	11:01	40:01

Table 21. Individual laboratory results for DNA # 1129 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
139	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	02	03	11	40
144	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
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
152	02	68	53	58	NT	NT	01	15	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	02	68	53	58	04	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
188	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
190	02	68	53	58	04	07	01	15	5*PRESENT	NP	NT	NT	05	06	NT	NT	NT	NT
192	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
199	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
205	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
228	02	68	53	58	04	07	01	15	5*PRESENT	NP	01	01	05	06	NT	NT	NT	NT
242	02	68	53	58	04	07	01	15	5*PRESENT	NT	01	01	05	06	NT	NT	NT	NT
255	02	68	53	58	NT	NT	01	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	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
266	02	68	53	58	04	07	01	15	NP	NP	01	01	05	06	02	03	11	40
267	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
279	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
280	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
292	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
293	02	68	53	58	04	07	01	15	5*PRESENT	NP	01	01	05	06	02	03	11	40
294	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	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	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
305	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
309	02	68	53	58	04	07	01	15	5*01	5*01	01	01	05	06	02	03	11	40
311	02	68	53	58	04	07	01	15	5*PRESENT	NP	01	01	05	06	NT	NT	NT	NT
318	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	02	03	11	40
334	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	02	03	11	40
340	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
343	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
345	02	68	53	58	NT	NT	01	15	NT	NT	NT	NT	05	06	NT	NT	11	40
350	02	68	53	15	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
355	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
402	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	02	03	11	40
519	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
615	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
1189	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40

Table 21. Individual laboratory results for DNA # 1129 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
1251	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
1647	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	01	NT	NT	NT	NT	NT	NT
3438	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
3600	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	NT	NT
3849	02	68	53	58	04	07	01	15	5*PRESENT	NP	01	01	05	06	02	03	11	40
4420	02	68	53	58	04	07	01	15	5*01	NT	01	01	05	06	02	03	11	40
4582	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
4585	02	68	53	58	04	07	01	15	5*01	NT	01	NT	05	06	02	03	11	40
8050	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
8139	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	NT	NT	NT	NT
9221	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
9227	02	68	53	58	04	07	01	15	NT	NT	NT	NT	05	06	NT	NT	NT	NT
9228	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40
9231	02	68	53	58	04	07	01	15	NT	NT	01	01	05	06	02	03	11	40
Final Consensus	02	68	53	58	04	07	01	15	5*01	NP	01	01	05	06	02	03	11	40

Table 22. Individual laboratory results for DNA # 1130 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01G	04:02:01G	01:03:01	02:01:01	02:01:02G	04:02:01G
16	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
125	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NT	NT	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01P	04:02P
139	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
144	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01P	04:02:01	01:03:01	02:01:01	02:01P	04:02P
147	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01P	04:02P
148	03:01:01G	31:01:02G	15:39:01	48:01:01G	03:04:01G	04:01:01G	08:02:01	08:02:01	NT	NT	NT	NT	03:01:01G	04:02:01G	NT	NT	02:01:02G	04:02:01G
155	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
158	03:01P	31:01P	15:39P	48:01P	03:04P	04:01P	08:02P	08:02P	NT	NT	NT	NT	03:01P	04:02P	NT	NT	02:01P	04:02P
173	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
185	03:01:01G	31:01:02G	15:39:01	48:01:01G	03:04:01G	04:01:01G	08:02P	08:02P	NP	NP	04:01:01G	04:01:01G	03:01P	04:02P	NT	NT	02:01:02G	04:02:01G
188	03:01:01	31:01:02	15:39:01:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NT	NT	04:01:01	04:01:01	03:01:01	04:02:01:04	01:03:01	02:01:01:02	02:01P	04:02P
189	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
190	03:01:01	31:01:02	15:39:01:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01:04	01:03:01	02:01:01:02	02:01P	04:02P
192	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
205	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
213	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01P	04:02P
218	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	NT	NT	03:01	04:02	NT	NT	02:01	04:02
227	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
239	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
245	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
258	03:01	31:01	15:39:01	48:01:01	03:04:01	04:01:01	08:02	08:02	NP	NP	04:01:01	04:01:01	03:01:01	04:02	01:03:01	02:01:01	02:01	04:02:01
264	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01G	02:01:01G	02:01:02G	04:02:01G
266	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01P	04:02P
267	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01P	04:02P
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
298	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01	04:02
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
321	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01P	04:02P
340	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
345	03:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02	08:02	NT	NT	NT	NT	03:01:01	04:02	NT	NT	02:01	04:02:01
353	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
402	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01P	04:02	01:03	02:01	02:01P	04:02P
403	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02	08:02	NT	NT	NT	NT	03:01:01G	04:02:01G	NT	NT	02:01:02	04:02:01
726	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
805	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01P	04:02P	01:03P	02:01P	02:01	04:02
1189	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
1251	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
1426	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01G	02:01:01G	02:01:02	04:02:01
1647	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
1686	03:01:01:01	31:01:02:01	15:39:01:01	48:01:01	03:04:01:02	04:01:01:06	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
2015	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NT	NT	04:01:01	04:01:01	03:01:01	04:02:01	NT	NT	02:01P	04:02P
2063	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
2347	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01P	04:02	01:03	02:01	02:01P	04:02P
2518	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
2862	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	NT	NT	NT	04:01:01	NT	03:01:01G	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
3410	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	NT	NT	03:01	04:02	NT	NT	02:01	04:02
3438	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
3582	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
3614	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
3625	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
3849	03:01:01G	31:01:02G	15:39:01	48:01:01G	03:04:01G	04:01:01G	08:02:01	08:02:01	NP	NP	04:01:01G	04:01:01G	03:01:01G	04:02:01G	01:03:01G	02:01:01G	02:01:02G	04:02:01G

Table 22. Individual laboratory results for DNA # 1130 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
4345	03:01:01G	31:01:02G	15:39P	48:01:01G	03:04:01:01	04:01:01G	08:02P	08:02P	NP	NP	04:01P	04:01P	03:01:01:01	04:02P	01:03:01:01	02:01P	02:01P	04:02P
4545	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
4582	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
9222	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9226	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01P	04:02P
9227	11:01:01	34:01:01	15:35:01	15:35:01	07:02:01	07:02:01	15:02:01	15:02:01	NT	NT	NT	NT	05:02:01	05:02:01	NT	NT	05:01:01	05:01:01
9228	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
9230	03:01	31:01	15:39:01	48:01:01	03:04:01	04:01:01	08:02	08:02	NP	NP	04:01:01	04:01:01	03:01:01	04:02	01:03:01	02:01:01	02:01	04:02:01
9231	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02	04:02:01
9232	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
45852	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	NT	NT	NT	04:01:01	NT	03:01:01	04:02:01	01:03:01	02:01:01	02:01:02G	04:02:01G
Final Consensus based on High Resolution	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02

Table 23. Individual laboratory results for DNA # 1130 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
124	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	03:01:01	04:02:01	01:03:01	02:01:01:02	02:01:02	04:02:01
162	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	NT	NT	03:01:01G	04:02	NT	NT	NT	NT
176	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	04:01	04:01	03:01	04:02	01:03	02:01	02:01:02G	04:02:01G
193	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	NT	NT	03:01	04:02			02:01:02G	04:02:01G
207	03:01:01	31:01:02	15:39:01	48:01:01	03:04:01	04:01:01	08:02:01	08:02:01	NP	NP	04:01:01	04:01:01	04:02:01	04:02:01	01:03:01	02:01:01	02:01P	04:02P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	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
288	03:01P	31:01P	15:39P	48:01P	03:04P	04:01P	NT	NT	NT	NT	NT	NT	03:01P	04:02P	01:03P	02:01P	02:01P	NT
292	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
313	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
317	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
355	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	04:01	03:01	04:02	NT	NT	NT	NT
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	04:02P
4420	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NT	NT	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02
Final Consensus	03:01	31:01	15:39	48:01	03:04	04:01	08:02	08:02	NP	NP	04:01	04:01	03:01	04:02	01:03	02:01	02:01	04:02

Table 24. Individual laboratory results for DNA # 1130 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
134	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
139	03	31	15(B62)	48	03(Cw10)	04	08	NT	NT	NT	04	NT	03(DQ7)	04	01	02	02(DP201)	04(DP402)
144	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
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
152	03	31	15	48	NT	NT	08	08	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	03	31	15	48	03	04	08	08	NT	NT	NT	NT	03	04	NT	NT	NT	NT
188	03	31	15	48	03	04	08	08	NT	NT	04	04	03	04	NT	NT	NT	NT
190	03	31	15(B62)	48	03	04	08	08	NP	NP	NT	NT	03(DQ7)	04	NT	NT	NT	NT
192	03	31	15	48	03	04	08	08	NP	NP	04	04	03	04	01	02	02(DP201)	04(DP402)
199	03	31	15	48	03	04	08	08	NT	NT	04	06	03	04	NT	NT	NT	NT
205	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
227	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
228	03	31	15	48	03	04	08	08	NP	NP	04	04	03	04	NT	NT	NT	NT
242	03	31	15	48	03	04	08	NT	NT	NT	04	NT	03	04	NT	NT	NT	NT
255	03	31	15(B62)	48	NT	NT	08	08	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	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
266	03	31	15	48	03	04	08	08	NP	NP	04	04	03	04	01	02	02(DP201)	04(DP402)
267	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
279	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
280	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
285	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	03	31	15	48	03	04	08	08	NT	NT	NT	NT	03	04	01	02	02(DP201)	NT
292	03	31	15	48	03	04	08	08	NT	NT	04	04	03	04	NT	NT	NT	NT
293	03	31	15	48	03	04	08	08	NP	NP	04	04	03	04	01	02	02(DP201)	04(DP402)
294	03	31	15(B62)	48	03(Cw10)	04	08	08	NT	NT	04	04	03(DQ7)	04	NT	NT	02(DP201)	04(DP402)
300	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
304	03	31	15	48	03	04	08	08	NT	NT	04	04	03	04	NT	NT	NT	NT
305	03	31	15(B62)	48	03(Cw10)	04	08	08	NT	NT	04	04	03(DQ7)	04	NT	NT	NT	NT
309	03	31	15	48	03	04	08	08	5*01	5*01	04	04	03	04	01	02	02(DP201)	04(DP402)
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
318	03	31	15(B62)	48	03	04	08	08	NT	NT	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
334	03	31	15(B62)	48	03(Cw10)	04	08	08	NT	NT	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
340	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
343	03	31	15	48	03	04	08	08	NT	NT	01	04	03(DQ7)	04	NT	NT	NT	NT
345	03	31	15	48	NT	NT	08	08	NT	NT	NT	NT	03	04	NT	NT	02(DP201)	04(DP402)
350	03	31	15	48	03	04	08	08	NT	NT	03	04	03	04	NT	NT	NT	NT
355	03	31	15(B62)	48	03	04	08	08	NT	NT	04	04	03	04	NT	NT	NT	NT
402	03	31	15	48	03	04	08	08	NT	NT	04	04	03	04	01	02	02(DP201)	04(DP402)
519	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
615	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
1189	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)

Table 24. Individual laboratory results for DNA # 1130 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1647	03	31	15	48	03(Cw10)	04	08	08	NP	NP	04	04	03	04	01	02	02(DP201)	04(DP402)
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04	04	NT	NT	NT	NT	NT	NT
3438	03	31	15(B62)	48	03(Cw10)	04	08	08	NT	NT	04	04	03(DQ7)	04	NT	NT	NT	NT
3600	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	NT	NT
3849	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
4420	03	31	15(B62)	48	03(Cw10)	04	08	08	NT	NT	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
4582	03	31	15	48	03	04	08	08	NP	NP	04	04	03	04	01	02	02(DP201)	04(DP402)
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
8050	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
8139	03	31	15	48	03	04	08	08	NT	NT	04	04	03	04	NT	NT	NT	NT
9221	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
9222	03	31	15	48	03	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
9225	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
9227	11	34	15	15	07	07	15	15	NT	NT	NT	NT	05	05	NT	NT	NT	NT
9228	03	31	15(B62)	48	03(Cw10)	04	08	08	NP	NP	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
9231	03	31	15(B62)	48	03(Cw10)	04	08	08	NT	NT	04	04	03(DQ7)	04	01	02	02(DP201)	04(DP402)
Final Consensus	03	31	15	48	03	04	08	08	NP	NP	04	04	03	04	01	02	02(DP201)	04(DP402)

Table 28. Individual laboratory results for DNA # 1128 High Resolution

CENTER	HLA-E		HLA-F		HLA-G		HLA-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	003:01/005:02/005:08/005:11/005:13/006/010	003:01/005:02/005:08/005:11/005:13/006/010	NGS-INH	
227	01:01:01	01:01:01	01:01:01	01:03:01	01:03:01	01:04:04	02:09	DEL	005:02	005:02	NGS-CareDx Alloseq Tx17 lot:23-1790	
1686	01:01:01:--	01:01:01:--	01:01:01:11	01:03:01:03	01:03:01:02	01:04:04:01	02:09	DEL	005:02	005:02	NGS-AlloSeq Tx17	HLA-E: E*01:01:01:01 or E*01:01:01:20
4545	01:01	01:01	01:01	01:03	01:03	01:04	02:09	NP	005:02	005:02	NGS-CareDx Alloseq Tx17	No second HLA-H allele present as sample contains A*23:01 MICA*002, 004:01
9232	01:01:01	01:01:01	01:01:01	01:03:01	01:03:01	01:04:04	02:09	DEL	005:02	005:02	NGS-Tx17	

Table 29. Individual laboratory results for DNA # 1129 High Resolution

CENTER	HLA-E		HLA-F		HLA-G		HLA-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	002:01/002:03/002:06	002:01/002:03/002:06	NGS-INH	
227	01:01:01	01:01:01	01:01:02	01:01:02	01:01:02	01:03:01	01:03:01	02:05:01	002:01	002:01	NGS-CareDx Alloseq Tx17 lot:23-1790	
1686	01:01:01:--	01:01:01:--	01:01:02:--	01:01:02:08	01:01:02:01	01:03:01:02	01:03:01:01	02:05:01:01	002:01	002:01	NGS-AlloSeq Tx17	HLA-E: E*01:01:01:01 or E*01:01:01:20 HLA-F: F*01:01:02:07 or F*01:01:02:11
4545	01:01	01:01	01:01	01:01	01:01	01:03	01:03	02:05	002:01	002:01	NGS-CareDx Alloseq Tx17	MICA*002:01, 002:01
9232	01:01:01	01:01:01	01:01:02	01:01:02	01:01:02	01:03:01	01:03:01	02:05:01	002:01	002:01	NGS-Tx17	

Table 30. Individual laboratory results for DNA # 1130 High Resolution

CENTER	HLA-E		HLA-F		HLA-G		HLA-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	01:03/01:17/01:120/01:133/01:136/01:141N/01:149/01:150	NT	NT	NT	NT	NT	NT	004:01/028	009:01N	NGS-INH	
227	01:01:01	01:03:02	01:01:01	01:03:01	01:01:01	01:03:01	02:04:01	02:09	004:01	009:01N	NGS-CareDx Alloseq Tx17 lot:23-1790	The currently used software Alloseq Assign V1.0 only reports the second field of the MICB allele
1686	01:01:01:--	01:03:02:--	01:01:01:11	01:03:01:--	01:01:01:05	01:03:01:02	02:04:01	02:09	004:01	009:01N	NGS-AlloSeq Tx17	HLA-E: E*01:01:01:01 or E*01:01:01:20 and E*01:03:02:01 or E*01:03:02:32 HLA-F: F*01:03:01:01 or F*01:03:01:04
4545	01:01	01:03	01:01	01:03	01:01	01:03	02:04	02:09	004:01	009:01N	NGS-CareDx Alloseq Tx17	MICA*010:01, 010:01
9232	01:01:01	01:03:02	01:01:01	01:03:01	01:01:01	01:03:01	02:04:01	02:09	004:01	009:01N	NGS-Tx17	

Table 25. Individual laboratory results for DNA # 1125 High Resolution

CENTER	HLA-E		HLA-F		HLA-G		HLA-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	NT	003:01/005:02/05:08/005:13/006/010	003:01/005:02/005:08/005:13/006/010	NGS-INH	
227	01:01:01	01:01:01	01:01:01	01:01:01	01:01:02	01:01:03	02:07:01	02:27	005:02	005:02	NGS-CareDx Alloseq Tx17 lot:23-1790			
1686	01:01:01:03	01:01:01:03	01:01:01:--	01:01:01:--	01:01:02:01	01:01:03:03	02:07:01:01	02:27	005:02	005:02	NGS-AlloSeq Tx17	HLA-F: F*01:01:01:01 or F*01:01:01:29		
4545	01:01	01:01	01:01	01:01	01:01	01:01	02:07	02:27	005:02	005:02	NGS-CareDx Alloseq Tx17	MICA*010:01, 010:01		
9232	01:01:01	01:01:01	01:01:01	01:01:01	01:01:02	01:01:03	02:07:01	02:27	005:02	005:02	NGS-Tx17			

Table 26. Individual laboratory results for DNA # 1126 High Resolution

CENTER	HLA-E		HLA-F		HLA-G		HLA-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	NT	003:01/005:02/05:08/005:13/006/010	008:01	NGS-INH	
227	01:01:01	01:01:01	01:01:01	01:01:02	01:01:02	01:01:02	02:01:01	02:05:01	005:02	008:01	NGS-CareDx Alloseq Tx17 lot:23-1790			
1686	01:01:01:--	01:01:01:--	01:01:01:--	01:01:02:08	01:01:02:01	01:01:02:01	02:01:01:01	02:05:01:01	005:02	008:01	NGS-AlloSeq Tx17	HLA-E: E*01:01:01:1 or E*01:01:01:20 HLA-F: F*01:01:01:09 or F*01:01:01:29		
4545	01:01	01:01	01:01	01:01	01:01	01:01	02:01	02:05	005:02	008:01	NGS-CareDx Alloseq Tx17	MICA*008:01, 008:01		
9232	01:01:01	01:01:01	01:01:01	01:01:02	01:01:02	01:01:02	02:01:01	02:05:01	005:02	008:01	NGS-Tx17			

Table 27. Individual laboratory results for DNA # 1127 High Resolution

CENTER	HLA-E		HLA-F		HLA-G		HLA-H		MICB		Methods	Comments		
192	01:03/01:17/01:120/01:133/01:136/01:141N/01:149/01:150	01:03/01:17/01:120/01:133/01:136/01:141N/01:149/01:150	NT	NT	NT	NT	NT	NT	NT	NT	002:01/002:03/02:06/018:01	003:01/005:02/005:08/005:13/006/010/019:01/038	NGS-INH	
227	01:03:02	01:03:02	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	002:01	005:02	NGS-CareDx Alloseq Tx17 lot:23-1790			
1686	01:03:02:--	01:03:02:--	01:01:01:--	01:01:01:--	01:01:01:01	01:01:01:01	01:01:01:01	01:01:01:05	002:01	005:02	NGS-AlloSeq Tx17	HLA-E: E*01:3:02:01 or E*01:03:02:32 HLA-F: F*01:01:01:01 or F*01:01:01:17		
4545	01:03	01:03	01:01	01:01	01:01	01:01	01:01	01:01	002:01	005:02	NGS-CareDx Alloseq Tx17	MICA*008:01, 015:01		
9232	01:03:02	01:03:02	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	01:01:01	002:01	005:02	NGS-Tx17			

DNA Exchange - 184 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	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
125	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG	NGS-TBG
134	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS
138	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
139	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
144	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
147	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX	NGS-OL-OMX
148	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS			GIL-NGS		GIL-NGS
162	BS-SBT	BS-SBT	BS-SBT	BS-SBT			BS-SBT		
173	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
176	INH-SBT	INH-SBT	INH-SBT	INH-SBT		INH-SBT	INH-SBT	INH-SBT	INH-SBT
185	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS		INH-NGS
188	OL-SBT	OL-SBT	OL-SBT	OL-SBT		GIL-SSP	OL-SBT	OL-SSO	OL-SSO
	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS		GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS
189	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
190	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS
192	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-NGS
193	SBT-SC-TBG	SBT-SC-TBG	SBT-SC-TBG	SBT-SC-TBG			SBT-SC-TBG		SBT-SC-TBG
	LUM-OL-SSO	LUM-OL-SSO	LUM-OL-SSO	LUM-OL-SSO			LUM-OL-SSO		LUM-OL-SSO
205	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS
207					OLE-SSP				
213	HM-NGS	HM-NGS	HM-NGS	HM-NGS		OLE-SSP	HM-NGS	HM-NGS	OL-SSO
					OLE-SSP	HM-NGS			OLE-SSP
218	INH-NGS	INH-NGS	INH-NGS	INH-NGS			INH-NGS		INH-NGS
227	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
239	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
242						OLE-SSP			
245	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS	IMM-NGS
258	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS
262				OLE-SSP		OLE-SSP	OLE-SSP		
264	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG
266	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
267	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
	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-NGS
279	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	OLE-SSP	OLE-SSP	NGS-OMX	OLE-SSP	OLE-SSP
					NGS-OMX				NGS-OMX
280	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
288	INT-OLE-SSP	INT-OLE-SSP	INT-OLE-SSP	INT-OLE-SSP	INT-OLE-SSP	INT-OLE-SSP	INT-OLE-SSP	INT-SSP	INT-SSP
292	OL-SSO	OL-SSO	OL-SSO	OL-SSO			OL-SSO		
294	INH-OMX-NGS	INH-OMX-NGS	INH-OMX-NGS	INH-OMX-NGS	INH-NGS	INH-OMX-NGS	INH-OMX-NGS		INH-OMX-NGS
298	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
313	SBT-TBG	SBT-TBG	SBT-TBG	SBT-TBG			SBT-TBG		
317	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-SSO

Participants and Methods High Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
321	NGS-OL	OL-OLE-SSP NGS-OL	OLE-SSP NGS-OL	OL-OLE-SSP NGS-OL	OL-SSP NGS-OL	OLE-SSP NGS-OL	OL-OLE-SSP NGS-OL	NGS-OL	OLE-SSP NGS-OL
340	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
345	GIL-SBT GIL-NGS	GIL-SBT GIL-NGS	GIL-SBT GIL-NGS	GIL-SBT GIL-NGS			GIL-SBT GIL-NGS		GIL-NGS
353	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS
355						LUM-SSO	LUM-SSO		
402	NGS-OL GD-SBT	NGS-OL GD-SBT	NGS-OL GD-SBT	NGS-OL GD-SBT	NGS-OL	NGS-OL	NGS-OL GD-SBT	NGS-OL	NGS-OL GD-SBT
403	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS			GIL-NGS		GIL-NGS
726	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS
805	GIL-NGS			GIL-NGS					
1189	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
1251	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL	PRO-SBT NGS-OL
1426	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG	NGS-SG
1647	Other-Others GD-NGS	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
1686	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
2015	OL-SSO GD-NGS	OL-SSO GD-NGS	OL-SSO GD-NGS	OL-SSO GD-NGS		OL-SSO GD-NGS	OL-SSO GD-NGS		OL-SSO GD-NGS
2063	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS
2347	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
2862	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-NGS
3410	OL-SSO GIL-NGS	OL-SSO GIL-NGS	OL-SSO GIL-NGS	OL-SSO GIL-NGS			OL-SSO GIL-NGS		OL-SSO GIL-NGS
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									LS-rPCR
3614	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
3625	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
3849	INH-SBT IL-INH-NGS	INH-SBT IL-INH-NGS	INH-SBT IL-INH-NGS	IL-INH-NGS	IL-INH-NGS	IL-INH-NGS	IL-INH-NGS	IL-INH-NGS	IL-INH-NGS
4345	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO	NGS-PRO
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	LC-SSO	SSO-WAK	SSO-WAK	LC-SSO	SSO-WAK
4545	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
4582	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
4585				Other-Others INN-NGS	Other-Others	Other-Others INN-NGS	INN-NGS		Other-Others INN-NGS
6051	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS
9226	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
9227	GIL-NGS	GIL-NGS	GIL-NGS	OLE-SSP GIL-NGS			OLE-SSP GIL-NGS		GIL-NGS
9228	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
9230	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS	GIL-NGS
9231	INH-NGS	INH-NGS	INH-NGS	INH-NGS	OL-SSO INH-NGS	INH-NGS	INH-NGS	INH-NGS	INH-NGS
9232	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17	NGS-Tx17
45852	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS	IL-NGS

DNA Exchange - 184 Participants and Methods Low Resolution

Center	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
134	OL-SSO OLE-SSP LS-rtPCR	OL-SSO OLE-SSP LS-rtPCR	OL-SSO OLE-SSP LS-rtPCR	OL-SSO OLE-SSP LS-rtPCR	OLE-SSP LS-rtPCR	OL-SSO OLE-SSP LS-rtPCR	OL-SSO OLE-SSP LS-rtPCR	LS-rtPCR	OLE-SSP LS-rtPCR
139	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO		IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO
144	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others LS-rtPCR	Other-Others
147	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR
148	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO			BAG-SSO		
152	OLE-SSP	OLE-SSP		OLE-SSP					
162	BS-SSP	BS-SSP	BS-SSP	BS-SSP			BS-SSP		
188	OL-SSO GIL-SSP	OL-SSO OLE-SSP	OL-SSO OLE-SSP	Other-Others OL-SSO OLE-SSP	OLE-SSP	OL-SSO	OL-SSO OLE-SSP		
190	OLE-SSP	OLE-SSP	OLE-SSP	OLE-SSP	OLE-SSP		OLE-SSP		
192	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
199	OL-SSO	OL-SSO	OL-SSO	OL-SSO		OL-SSO	OL-SSO		
205	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
207	OL-SSO LS-rtPCR	OL-SSO LS-rtPCR	OL-SSO LS-rtPCR	OL-SSO LS-rtPCR	LS-rtPCR	OL-SSO LS-rtPCR	OL-SSO LS-rtPCR	OL-SSO LS-rtPCR	OL-SSO LS-rtPCR
213	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP	OL-SSO INN-OLE-SSP
215	OLE-SSP	OL-SSP	OL-SSP	OL-SSP			OL-SSP		
227	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
228	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO
242	OLE-SSP	OL-OLE-SSP	OL-OLE-SSP	OL-OLE-SSP	OLE-SSP	OLE-SSP	OLE-SSP	OLE-SSP	OLE-SSP
255	OL-SSO	OL-SSO		OL-SSO					
262	PRO-SSP	OLE-PRO-SSP	OLE-PRO-SSP	PRO-SSP	PRO-SSP	OLE-SSP	PRO-SSP		
265	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
266	OL-SSO	OL-SSO	OL-SSO	OL-SSO		OL-SSO	OL-SSO	OL-SSO	OL-SSO
267	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO	Other-Others OL-SSO
279	LB-OLE-SSP	LB-SSP	LB-SSP	LB-SSP	LB-SSP	LB-SSP	LB-SSP	LB-SSP	LB-SSP
280	LS-rtPCR LC-SSO	LS-rtPCR LC-SSO	LS-rtPCR LC-SSO	LS-rtPCR LC-SSO	LS-rtPCR	LS-rtPCR LC-SSO	LS-rtPCR LC-SSO	LS-rtPCR	LS-rtPCR
285	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO		LUM-SSO	LUM-SSO		
286	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
288	INT-OLE-SSP BAG-SSO	BAG-SSO	BAG-SSO	BAG-SSO	INT-OLE-SSP	BAG-SSO	BAG-SSO	INT-SSP	INT-SSP
292	OL-SSO	OL-SSO	OL-SSO	OL-SSO		OL-SSO	OL-SSO		
293	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO
294	Other-Others OL-SSO LS-OLE-SSP	Other-Others OL-SSO LS-OLE-SSP	Other-Others OL-SSO LS-OLE-SSP	Other-Others OL-SSO LS-OLE-SSP	OLE-SSP	OL-SSO LS-SSP	Other-Others OL-SSO LS-OLE-SSP		LS-OLE-SSP
300	OL-SSP	OL-SSP	OL-SSP	OL-SSP					
304	GTI-SSO	GTI-SSO	GTI-SSO	GTI-SSO		GTI-SSO	GTI-SSO		
305	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO		IMM-SSO	IMM-SSO		
309	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO

Participants and Methods Low Resolution

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
311	PRO-SSP	PRO-SSP	PRO-SSP	PRO-SSP	PRO-SSP	OLE-SSP	PRO-SSP		
318	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
334	OL-SSO	OL-SSO	OL-SSO	OL-SSO		OL-SSO	OL-SSO	OL-SSO	OL-SSO
340	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
343	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO
345	IMM-SSO	IMM-SSO		IMM-SSO			IMM-SSO		IMM-SSO
350	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO		IMM-SSO	IMM-SSO		
355	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO		LUM-SSO	LUM-SSO		
402	OL-SSO	OL-SSO	OL-SSO	OL-SSO		OL-SSO	OL-SSO	OL-SSO	OL-SSO
519	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO	LUM-SSO
615	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR
726	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR
732	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
1189	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR
1251	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO	IMM-SSO
1647	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
2347	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
3410						OL-SSO			
3438	LC-SSO	LC-SSO	LC-SSO	LC-SSO	LB-SSP	LC-SSO	LC-SSO	LC-SSO	LB-SSP
	LB-SSP	LB-SSP	LB-SSP	LB-SSP		LB-SSP	LB-SSP	LB-SSP	
3600	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	LS-rtPCR	
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	LC-SSO	SSO-WAK	SSO-WAK	LC-SSO	SSO-WAK
4582	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
4585	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others	Other-Others
8050	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR
8139	INN-SSO	INN-SSO	INN-SSO	INN-SSO	INN-SSO	INN-SSO	INN-SSO		
9221	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR	LB-rtPCR
9225	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR	CQ-rtPCR
9227	OLE-SSP		OLE-SSP				LC-SSO		LC-SSO
	LC-SSO	LC-SSO	LC-SSO	LC-SSO					
9228	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO	OL-SSO
9231	OL-SSO	OL-SSO	OL-SSO	OL-SSO		OL-SSO	OL-SSO	OL-SSO	OL-SSO