

UCLA INTERNATIONAL HLA DNA EXCHANGE—150TH SUMMARY



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DNA Sample	
#921	#924
#922	#925
#923	#926

DNA #921 ASIAN

The consensus type for this sample from an Asian donor is A*02:07-A*33:03-B*46:01-B*58:01-C*01:02-C*03:02-DRB1*08:03-DRB1*14:06-DRB3*02:02-DQA1*01:03-DQA1*05:03-DQB1*03:01-DQB1*06:01-DPA1*01:03-DPA1*02:02-DPB1*02:02-DPB1*04:02.

This sample was previously sent in Exchange #72 as DNA #458 (2005). In this present typing, 99% of the labs reporting at high resolution are in agreement for all 9 loci, which confirms the previous consensus.

The likely class II associations in this cell are DRB1*08:03-DQB1*06:01 and DRB1*14:06-DQB1*03:01, with respective frequencies of HF=0.04765 and HF=0.00265, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #921 are summarized in Table 1 and individual laboratory results are listed in Tables 7 –9.

DNA #922 CAUCASIAN

The consensus type for this sample from a Caucasian donor is A*11:01-A*25:01-B*07:02-B*40:02-C*02:02-C*07:02-DRB1*07:01-DRB1*13:05-DRB3*02:02-DRB4*01:03-DQA1*02:01-DQA1*05:05-DQB1*02:02-DQB1*03:01-DPA1*01:03-DPA1*02:02-DPB1*04:01-DPB1*19:01.

This sample was previously sent in Exchange #125 as DNA #771 (2014). In 2014, 9 participants reporting at high resolution assigned DPA1*02:02 as the second DPA subtype. In this exchange the second DPA1*02 subtype remained unresolved as 10 labs reported DPA1*02:07:01, 1 lab reported DPA1*02:02P, 11 labs reported DPA1*02:07, 5 labs reported DPA1*02:02 and 1 lab reported DPA1*03:02. Out of the 18 labs reporting by NGS, 94% were in agreement with subtype DPA1*02:07. Labs are encouraged to update their sequencing libraries to ensure they are current.

The likely associations in this cell are B*07:02-DRB1*13:05 and B*40:02-DRB1*07:01, with respective frequencies of HF=0.00007 and HF=0.00055, as seen exclusively in Caucasians, according to the NMDP Bioinformatics website.

The results for DNA #922 are summarized in Table 2 and individual laboratory results are listed in Tables 10-12.

DNA #923 ASIAN

The consensus type for this sample from an Asian donor is A*24:07-A*34:01-B*35:01-B*40:02-C*04:01-C*15:02-DRB1*11:01-DRB1*15:02-DRB3*02:02-DRB5*01:01-DQA1*01:02-DQA1*05:05-DQB1*03:01-DQB1*05:02-DPA1*02:02-DPB1*01:01-DPB1*05:01.

This sample was previously sent in Exchange #38 as DNA #251 (1999). In 1999, DQA1*05:01 was assigned by 79% of the labs. In the present typing, DQA1*05:05 was assigned by 100% of the labs reporting at high resolution. Agreement for B*35:01 increased from 84% to 100%. Agreement for C*04:01 increased from 86% to 100%.

The likely class II associations for this cell are DRB1*11:01-DQB1*03:01 and DRB1*15:02-DQB1*05:02, with respective frequencies of HF=0.05465 and HF=0.02290, as seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #923 are summarized in Table 3 and individual laboratory results are listed in Tables 13-15.



DNA Sample	
#921	#924
#922	#925
#923	#926

DNA #924 HISPANIC

The consensus type for this sample from an Hispanic donor is A*24:02-B*40:01-B*58:01-C*03:02-C*04:01:01G-DRB1*12:02-DRB1*13:02-DRB3*03:01-DQA1*01:02-DQA1*06:01-DQB1*03:01-DQB1*06:09-DPA1*01:03-DPA1*02:01-DPB1*14:01-DPB1*104:01.

This sample was previously sent in Exchange #11 as DNA #83 (1995). Agreement for DQB1*06:09 increased from 37% to 100%. C*03:02 and C*04:01:01G were graded as the C-locus types. C*04 was not resolved as 8 labs reported C*04:01:01G, 8 labs reported C*04:01P, 36 labs reported C*04:82, and 18 labs reported C*04:01. C*04:82 and C*04:01:01:01 are identical in exons 2,3, and 4. They differ in exon 5 where C*04:82 has a segment of nucleotides (CTAGCTGTC) inserted between residues 969 and 970. This insertion caused a 35 amino acid alteration to the protein sequence of C*04:01:01:01, as noted in *Deduced probable HLA haplotypes associated with HLA-C*04:82 found by case analysis of Taiwanese individuals*, (Yang, Kuo-Liang. Tzu Chi Medical Journal 2016, 28; 99-102).

The likely associations in this cell are A*24:02-B*40:01-DRB1*13:02 and A*24:02-B*58:01-DRB1*12:02, with respective frequencies of HF=0.00030 and HF=0.00028, is interestingly seen in Asians, according to the NMDP Bioinformatics website.

The results for DNA #924 are summarized in Table 4 and individual laboratory results are listed in Tables 16-18.

DNA #925 BLACK

The consensus type for this sample from a Black donor is A*02:01-A*23:01:01G-B*14:01-B*15:01-C*03:04-C*08:02-DRB1*04:01-DRB1*13:01-DRB3*02:02-DRB4*01:03-DQA1*03:01-DQA1*03:03-DQB1*03:02-DQB1*03:03-DPA1*02:01-DPB1*02:01-DPB1*131:01.

A*02:01 and A*23:01:01G were graded as the A-locus types. A*23 was not resolved as 8 labs reported A*23:01:01G, 6 labs reported A*23:01P, 46 labs reported A*23:17 and 11 labs reported A*23:01. A*23:01 differs from A*23:17 in exon 5 codon 283 by a single nucleotide substitution (CAC -> CCC), resulting in an amino acid change from histidine to proline.

The likely class II associations in this cell are DRB1*04:01-DQB1*03:02 and DRB1*13:01-DQB1*03:03, with respective frequencies of HF=0.00911 and HF=0.00952, as seen in African Americans, according to the NMDP Bioinformatics website.

The results for DNA #925 are summarized in Table 5 and individual laboratory results are listed in Tables 19-21.

DNA #926 HISPANIC

The consensus type for this sample from a Hispanic donor is A*02:01-A*66:01-B*35:12-B*47:01-C*04:01-C*17:03-DRB1*08:02-DRB1*11:04-DRB3*02:02-DQA1*04:01-DQA1*05:05-DQB1*03:01-DQB1*04:02-DPA1*01:03-DPB1*02:01-DPB1*04:02.

The likely class II associations in this cell are DRB1*08:02-DQB1*04:02 and DRB1*11:04-DQB1*03:01, with respective frequencies of HF=0.05612 and HF=0.02412, as seen in Hispanics, according to the NMDP Bioinformatics website.

The results for DNA #926 are summarized in Table 6 and individual laboratory results are listed in Tables 22-24.

ACKNOWLEDGMENTS:

The UCLA Immunogenetics Center would like to express our deepest thanks to One Legacy and all organ and tissue donors and their families for giving the gift of knowledge by their generous donation to the education and advancement of the study of HLA. We would also like to thank the NMDP Bioinformatics website (<https://bioinformatics.bethematchclinical.org>) and the 41 participants reporting their NGS results (See Tables 7, 10, 13, 16, 19, 22).

Table 7. Individual laboratory results for DNA # 921 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
16	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01	01:03:01	02:02:02	02:02:01	04:02:01
124	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01	01:03:01	02:02:02	02:02:01	04:02:01:02
134	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01:01G	NT	NT	02:02	04:02:01
147	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
168	02:07:01G	33:03:01G	46:01:01G	58:01:01G	NT	NT	08:03:02	14:06:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	02:07:01G	33:03:01G	46:01:01G	58:01:01G	01:02:01G	03:02:01G	08:03:02	14:06:01	NT	NT	01:03:01G	05:01:01G	03:01:01G	06:01:01G	01:03:01G	02:02:02	02:02:01	04:02:01
185	02:07:01G	33:03:01G	46:01:01G	58:01:01G	01:02:01G	03:02:01G	08:03P	14:06P	3*02:02P	NP	01:03:01G	05:01:01G	03:01P	06:01P	NT	NT	02:02	04:02:01G
188	02:07:01	33:03	46:01:01	58:01	01:02	03:02:02	08:03	14:06:01	NT	NT	01:03	05:03:01	03:01	06:01	01:03P	02:02	02:02P	04:02P
189	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
192	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
195	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01:01	03:02:02	08:03:02	14:06:01	3*02:02:01:01	NP	01:03:01	05:03:01	03:01:01	06:01	01:03:01:05	02:02:02	02:02:01	04:02:01
197	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NT	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
205	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03	03:01:01	06:01:01	01:03:01	02:02:02	02:02	04:02:01
207	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
213	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NT	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
218	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
227	02:07	33:03:01	46:01	58:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02	NP	NT	NT	03:01:01	06:01	NT	NT	02:02	04:02
234	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	02:02	04:02
258	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	NT	NT	NT	NT	03:01:01	06:01	NT	NT	02:02:01	04:02:01
264	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01:01	01:03:01	02:02:02	02:02:01	04:02:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	05:03	NT	NT	NT	NT	02:02	04:02:01G
282	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01	01:03:01	02:02:02	02:02	04:02:01
294	02:07	33:03P	46:01	58:01	01:02P	03:02P	08:03	14:06	NT	NP	NT	05:01P	NT	NT	NT	NT	NT	NT
323	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
403	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	NT	NT	NT	NT	03:01:01	06:01	NT	NT	02:02:01	04:02:01
519	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01:01	01:03:01	02:02:02	02:02:01	04:02:01
615	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
702	02:07:01	33:01:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02	NP	01:03	05:03	03:01:01	06:01:01	01:03	02:02	02:02:01	04:02:01
726	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
732	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
805	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
1113	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02	04:02P
1212	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
1251	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	NT	NT	NT	NT	03:01:01:01	06:01	NT	NT	NT	NT
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2862	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	NT	NT	NT	NT	03:01:01	06:01	NT	NT	NT	NT
3264	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3614	NT	33:03	NT	NT	NT	NT	NT	NT	NT	NT	01:03	NT	NT	06:01	NT	NT	02:02	04:02:01G
4551	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
4582	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
4709	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
6051	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
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Table 8. Individual laboratory results for DNA # 921 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
138	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	02:02	04:02
144	02:07	33:03:01	46:01:01	58:01:01G	01:02	03:02	08:03:02	14:06:01	NT	NT	01:03	05:01:01G	03:01:01	06:01	01:03P	02:02P	02:02:01	04:02P
148	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	NT	NT	03:01	06:01	NT	NT	02:02P	04:02P
151	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	02:02	04:02
158	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
160	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
162	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01:01G	06:01	NT	NT	NT	NT
173	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	01:03	05:03	03:01	06:01	NT	NT	NT	NT
174	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
176	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
190	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01:01	03:02:02:01	08:03:02	14:06:01	NT	NT	NT	NT	03:01:01:01	06:01:01	NT	NT	NT	NT
193	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
209	02:07:01G	33:03:01G	46:01:01G	58:01:01G	01:02:01G	03:02:01G	08:03P	14:06:01	NT	NT	NT	NT	NT	NT	NT	NT	02:02P	04:02P
239	02:07	33:03	46:01	58:01	01:02	NT	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02P	04:02P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:03	05:03	NT	NT	NT	NT	NT	NT
244	02:07	33:03P	46:01P	58:01P	01:02P	03:02P	08:03P	14:06P	NT	NT	01:03P	05:01P	03:01P	06:01P	NT	NT	NT	NT
249	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01	03:02:02	08:03:02	14:06:01	3*02:02:01	NP	01:03:01	05:03:01	03:01:01	06:01:01	01:03:01	02:02:02	02:02:01	04:02:01
262	02:07	NT	NT	NT	NT	NT	08:03	14:06	NT	NT	01:03	05:03	03:01	06:01	NT	NT	NT	NT
267	02:01	33:01	46:01	58:01	01:02	03:02	08:03	14:02	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	NT	NT
273	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:01P	03:01	06:01	NT	NT	NT	NT
274	02:07	33:03	46:01P	58:01P	01:02P	03:02P	08:03	14:06	NT	NT	01:03	05:03	03:01P	06:01P	NT	NT	NT	NT
278	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NT	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
281	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NP	NT	NT	03:01	06:01	01:03	02:02	02:02	04:02
286	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
292	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
307	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	01:03	05:03	03:01	06:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	08:03	14:06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02:01	33:01	46:01	58:01	01:02	03:02	08:03	14:06	3*02:01	4*01:01	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
319	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01:01G	06:01	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
714	02:07	33:03	46:01	58:01	01:02P	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
769	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02:01G	NP	NT	NT	03:01	06:01	NT	NT	02:02	04:02
1498	02:07	33:03	46:01	58:01	01:02:01G	03:02	08:03:02	14:06:01	3*02:02	NP	01:03:01	05:03:01	03:01:01	06:01	NT	NT	02:02	04:02:01
1647	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NP	NT	NT	03:01	06:01	NT	NT	02:02	04:02
1686	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NT	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
2015	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02:07	33:03	46:01	58:01	01:02P	03:02	08:03	14:06	NT	NT	NT	NT	03:01P	06:01	NT	NT	02:02	04:02
2518	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
2549	02:07	33:03	46:01	58:01	01:02:01G	03:02	08:03	14:06	NT	NT	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
3261	02:07	33:03	46:01	58:01	01:02	03:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
3438	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	02:02	04:02
3582	02:07	33:03	46:01	58:01	01:02:01G	03:02	08:03	14:06	3*02:02:01G	NP	NT	NT	03:01	06:01	NT	NT	02:02	04:02:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02P	04:02P
3625	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	01:03	05:03	03:01	06:01	NT	NT	02:02	04:02
3849	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
4237	02:07	33:03:01	46:01:01	58:01:01	01:02	03:02	08:03:02	14:06:01	3*02:02	NP	01:03	05:03	03:01	06:01	NT	NT	NT	NT
4420	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	01:03	05:03	NT	06:01	NT	NT	02:02	NT
4545	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02
4585	NT	NT	NT	NT	NT	NT	08:03	14:06	NT	NT	NT	NT	03:01	06:01	NT	NT	NT	NT
4613	02:07	33:03	46:01	58:01	01:02	03:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:02P	04:02P	
5451	NT	NT	46:01:01	58:01:01	01:02:01	03:02:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6313	02:07:01	33:03:01	46:01:01	58:01:01	01:02:01:01	03:02	08:03	14:06:01	NT	NT	NT	NT	03:01:01	06:01:01	NT	NT	NT	NT

Table 8. Individual laboratory results for DNA # 921 High Resolution

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		
9222	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	NT	NT	NT	NT	NT	NT	NT	NT	02:02	04:02
Final Consensus	02:07	33:03	46:01	58:01	01:02	03:02	08:03	14:06	3*02:02	NP	01:03	05:03	03:01	06:01	01:03	02:02	02:02	04:02

Table 9. Individual laboratory results for DNA # 921 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
16	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
142	02	33	46	58	01	03	08	14	3*02	NP	NT	NT	03	06	NT	NT	NT	NT
144	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	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
175	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
189	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
190	02	33	46	58	01	03	08	14	3*PRESENT	NP	NT	NT	03	06	NT	NT	NT	NT
192	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	NT	NT	02(DP202)	04(DP402)
195	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
199	NT	NT	NT	NT	NT	NT	08	03	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
205	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
207	02	33	46	58	01	03	08	14	3*PRESENT	NP	01	05	03	06	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	05	03	06	NT	NT	NT	NT
213	02	33	46	58	01	03	08	14	3*02	NT	01	05	03	06	NT	NT	02(DP202)	04(DP402)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
227	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
228	02	33	46	58	01	03	08	14	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
234	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	NT	NT	02(DP202)	04(DP402)
239	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	NT	NT
242	02	33	46	58	01	03	08	14	3*PRESENT	NT	01	05	03	06	NT	NT	NT	NT
244	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
245	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
255	02	33	46	58	NT	NT	08	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	33	46	58	01	03	08	14	3*PRESENT	NP	NT	NT	03	06	NT	NT	NT	NT
262	02	33	46	58	01	03	08	14	3*PRESENT	NP	01	05	03	06	NT	NT	NT	NT
265	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
266	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
267	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	NT	NT	NT	NT
268	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
273	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	NT	NT	NT	NT
274	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
278	02	33	46	58	01	03	08	14	3*02	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
279	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
280	02	33	46	58	01	03	08	14	NT	NT	NT	NT	03	06	NT	NT	NT	NT
281	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
285	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
286	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
288	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
290	02	33	46	58	NT	NT	08	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
294	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	NT	NT	NT	NT
304	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
307	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
309	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
310	02	33	46	58	NT	NT	08	04	4*PRESENT	NP	NT	NT	03	06	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 9. Individual laboratory results for DNA # 921 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
316	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
318	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
319	02	33	46	58	01	03	08	14	3*PRESENT	NP	NT	NT	03	06	NT	NT	NT	NT
323	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
402	02	33	46	58	01	03	08	14	NT	NT	NT	NT	03	06	NT	NT	NT	NT
452	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
519	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
702	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
714	02	33	46	58	01	03	08	14	NT	NT	NT	NT	03	06	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
805	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
1113	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	NT	NT
1189	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
1212	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
1251	02	33	46	58	01	03	08	14	NT	NT	NT	NT	03	06	NT	NT	NT	NT
1647	02	33	46	58	01	03	08	14	3*PRESENT	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
2063	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
2347	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
2549	02	33	46	58	01	03	08	14	3*02	NT	01	05	03	06	NT	NT	02(DP202)	04(DP402)
3264	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
3325	02	33	46	58	01	03	08	14	3*PRESENT	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
3410	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
3438	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	02(DP202)	04(DP402)
3582	02	33	46	58	01	03	08	14	3*02	NP	NT	NT	03	06	NT	NT	NT	NT
3600	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	NT	NT
3614	02	NT	46	58	01	03	08	14	3*02	NP	NT	05	03	NT	01	02	NT	NT
3625	02	33	46	58	01	03	08	14	3*02	NT	01	05	03	06	NT	NT	02(DP202)	04(DP402)
3849	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
4237	02	33	46	58	01	03	08	14	NT	NT	NT	NT	03	06	NT	NT	NT	NT
4281	02	33	46	58	01	03	08	14	3*PRESENT	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
4420	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	02(DP202)	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	NP	NT	NT	NT	NT	NT	NT	NT	NT
4551	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	NT	NT	02(DP202)	04(DP402)
4582	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)
4585	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
4613	02	33	46	58	01	03	08	14	NT	NT	NT	NT	03	06	NT	NT	NT	NT
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	NT	NT	46	58	01	03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	NT	NT
6313	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
9221	02	33	46	58	01	03	08	14	3*02	NT	01	05	03	06	01	02	02(DP202)	04(DP402)
9222	02	33	46	58	01	03	08	14	NT	NT	01	05	03	06	NT	NT	NT	NT
Final Consensus	02	33	46	58	01	03	08	14	3*02	NP	01	05	03	06	01	02	02(DP202)	04(DP402)

Table 10. Individual laboratory results for DNA # 922 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
16	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01
124	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02:01	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01:01
134	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01G	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	NT	NT	04:01:01	19:01
147	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
168	11:01:01G	25:01:01G	07:02:01G	40:02:01G	NT	NT	07:01:01G	13:05:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	11:01:01G	25:01:01G	07:02:01G	40:02:01G	02:02:02G	07:02:01G	07:01:01G	13:05:01	NT	NT	02:01:01G	05:01:01G	02:01:01G	03:01:01G	01:03:01G	02:07:01	04:01:01G	19:01:01G
185	11:01:01G	25:01:01G	07:02:01G	40:02:01G	02:02P	07:02P	07:01P	13:05P	3*02:02P	4*01:01P	02:01:01G	05:01:01G	02:01P	03:01P	NT	NT	04:01:01G	19:01:01G
188	11:01:01:01	25:01:01	07:02:01	40:02	02:02:02:01	07:02	07:01P	13:05:01	NT	NT	02:01	05:05	02:01P	03:01	01:03P	02:07:01	04:01	19:01
189	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
192	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
195	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02:01	07:02:01:03	07:01:01:01	13:05:01	3*02:02:01:02	4*01:03:01	02:01:01	05:05:01	02:02:01:01	03:01:01:03	01:03:01	02:07:01	04:01:01	19:01
197	11:01	25:01	07:02	40:02	02:02	07:02	07:01P	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
205	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01
207	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
213	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
218	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
227	11:01:01	25:01:01	07:02	40:02:01	02:02:02	07:02	07:01:01	13:05:01	3*02:02	4*01:03	NT	NT	02:02	03:01:01	NT	NT	04:01:01	19:01
234	11:01	25:01	NT	NT	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	04:01	19:01
258	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02:01	07:02:01	07:01	13:05:01	NT	NT	NT	NT	02:02:01	03:01:01	NT	NT	04:01:01	19:01:01
264	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	05:05	NT	NT	NT	NT	04:01	19:01
282	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01
294	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
323	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	04:01	19:01
403	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01G	13:05:01	NT	NT	NT	NT	02:02:01	03:01:01	NT	NT	04:01:01	19:01:01
519	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01
615	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
702	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02	4*01:03	02:01	05:05	02:02:01	03:01:01	01:03	02:07	04:01:01	19:01:01
726	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
732	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
805	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:01:01G	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
1113	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01	19:01
1212	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
1251	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02:01	07:02:01	07:01:01	13:05:01	NT	NT	NT	NT	02:02:01	03:01:01	NT	NT	NT	NT
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2862	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02:01	07:02:01	NT	13:05:01	NT	NT	NT	NT	02:02:01	03:01:01	NT	NT	NT	NT
3264	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3614	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	NT	04:01	19:01
4551	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
4582	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
4709	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
6051	NT	NT	NT	NT	NT	NT	07:01	13:05	NT	NT	02:01	NT	02:02	03:01	02:01	03:02	04:01	19:01:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	NG	04:01	19:01
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Table 11. Individual laboratory results for DNA # 922 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
138	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	04:01	19:01
144	11:01	25:01:01	07:02	40:02:01G	02:02:02	07:02	07:01:01G	13:05:01	NT	NT	02:01	05:05	02:02:01	03:01:01	01:03P	02:02P	04:01P	19:01P
148	11:01:01	25:01	07:02P	40:02P	02:02	07:02	07:01P	13:05	3*02:02	4*01:01P	NT	NT	02:02	03:01	NT	NT	04:01P	19:01P
151	11:01	25:01	07:02:01G	40:02:01G	02:02	07:02	07:01:01G	13:05:01	NT	NT	NT	NT	02:01:01G	03:01:01G	NT	NT	04:01:01G	19:01:01G
158	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
160	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	NT	NT	02:02	03:01	NT	NT	NT	NT
162	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01:01G	NT	NT	NT	NT
173	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	02:01	05:05	02:02	03:01	NT	NT	NT	NT
174	11:01	25:01	07:02	40:02	02:02	07:02:01G	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
176	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
190	11:01:01:01	25:01:01	07:02:01	40:02:01	02:02:02:01	07:02:01G	07:01:01:01	13:05:01	NT	NT	NT	NT	02:02:01:01	03:01:01:01	NT	NT	NT	NT
193	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
209	11:01:01G	25:01:01G	07:02:01G	40:02:01G	02:02:02G	07:02:01G	07:01:01G	13:05:01	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	19:01P
239	11:01	25:01	07:02	NT	NT	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01P	19:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	11:01P	25:01P	07:02P	40:02P	02:02P	07:02	07:01P	13:05P	NT	NT	02:01	05:01P	02:01P	03:01P	NT	NT	NT	NT
249	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	3*02:02:01	4*01:03:01	02:01:01	05:05:01	02:02:01	03:01:01	01:03:01	02:07:01	04:01:01	19:01:01
262	NT	NT	NT	NT	NT	NT	07:01	13:05	NT	NT	02:01	05:05	02:02	03:01	NT	NT	NT	NT
267	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:01	02:01	05:05	02:02	03:01	NT	NT	NT	NT
273	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:01P	02:01P	03:01	NT	NT	NT	NT
274	11:01P	25:01	07:02P	40:02P	02:02P	07:02P	07:01P	13:05	NT	NT	02:01	05:05	02:02	03:01	NT	NT	NT	NT
278	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:02	04:01	19:01
281	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	02:01	NT	02:02	03:01	01:03	02:02	04:01	19:01
286	NT	NT	NT	NT	NT	NT	NT	13:05	NT	NT	02:01	NT	NT	NT	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
292	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
307	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	02:01	05:05	02:02	03:01	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	05:05	NT	NT	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	07:01	13:05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:02	04:01	19:01
319	11:01	25:01	07:02	40:02:01G	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:01:01G	03:01:01G	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	11:01P	25:01	07:02P	40:02P	02:02	07:02P	07:01P	13:05	NT	NT	NT	NT	02:01P	03:01	NT	NT	NT	NT
769	11:01	25:01	07:02	40:02P	02:02	07:02	07:01	13:05	3*02:02:01G	4*01:01P	NT	NT	02:01P	03:01	NT	NT	04:01:01G	19:01P
1498	11:01	25:01	07:02:01G	40:02:01G	02:02	07:02:01G	07:01:01	13:05:01	3*02:02	4*01:03	02:01	05:05:01	02:02:01	03:01:01	NT	NT	04:01:01	19:01
1647	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	04:01	19:01
1686	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:07	04:01	19:01
2015	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	11:01P	25:01	07:02P	40:02P	02:02	07:02P	07:01P	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	04:01	19:01
2518	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:01:01G	03:01	NT	NT	NT	NT
2549	11:01:01G	25:01	07:02:01G	40:02:01G	02:02	07:02:01G	07:01:01G	13:05	NT	NT	02:01	05:05	02:01:01G	03:01	NT	NT	04:01	19:01:01G
3261	11:01	25:01	07:02	40:02	02:02	07:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	NT	NT
3438	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	02:02	03:01	NT	NT	04:01	19:01
3582	11:01:01G	25:01	07:02:01G	40:02:01G	02:02:02G	07:02:01G	07:01:01G	13:05	3*02:02:01G	4*01:01:01G	NT	NT	02:01:01G	03:01:01G	NT	NT	04:01:01G	19:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	19:01P
3625	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	02:01	05:05	02:02	03:01	NT	NT	04:01	19:01
3849	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	02:02	04:01:01G	19:01:01G
4237	11:01:01	25:01:01	07:02:01	40:02P	02:02:02	07:02	07:01P	13:05:01	3*02:02	4*01:03	02:01	05:01P	02:02	03:01	NT	NT	NT	NT
4420	11:01	25:01	07:02	40:02	NT	07:02	07:01	13:05	NT	NT	02:01	05:05	NT	NT	NT	NT	NT	19:01
4545	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	4*01:03	02:01	05:05	02:02	03:01	01:03	02:02	04:01	19:01
4585	NT	NT	NT	NT	NT	NT	NT	13:05	NT	NT	02:01	NT	NT	NT	NT	NT	NT	NT
4613	11:01	25:01	07:02	40:02	02:02	07:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04:01P	19:01P
5451	NT	NT	07:02:01	40:02:01	02:02:02:01	07:02:01:03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6313	11:01:01	25:01:01	07:02:01	40:02:01	02:02:02	07:02:01	07:01:01	13:05:01	NT	NT	NT	NT	02:02:01	03:01:01	NT	NT	NT	NT

Table 11. Individual laboratory results for DNA # 922 High Resolution

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		
9222	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	NT	NT	NT	NT	NT	NT	NT	NT	04:01	19:01
Final Consensus	11:01	25:01	07:02	40:02	02:02	07:02	07:01	13:05	3*02:02	4*01:03	02:01	05:05	02:02	03:01	01:03	NG	04:01	19:01

Table 12. Individual laboratory results for DNA # 922 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
16	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
142	11	25	07	40	02	07	07	13	3*02	4*01	NT	NT	02	03	NT	NT	NT	NT
144	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
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
175	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
189	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
190	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
192	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	04(DP401)	19
195	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
199	NT	NT	NT	NT	NT	NT	07	13	3*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
205	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
207	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	02	05	02	03	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02	05	02	03	NT	NT	NT	NT
213	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	04(DP401)	19
215	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	NT	NT	NT	NT	NT	NT	NT	NT
226	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
227	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
228	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
234	11	25	NT	NT	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	04(DP401)	19
239	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
245	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
255	11	25	07	40	NT	NT	07	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
262	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	02	05	02	03	NT	NT	NT	NT
265	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
266	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
267	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	NT	NT
268	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
273	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	NT	NT
274	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
278	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
279	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
280	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	NT	NT
281	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
285	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
286	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
288	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
290	11	25	07	40	NT	NT	07	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
294	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	04(DP401)	19
304	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
307	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
309	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
310	11	25	07	40	NT	NT	07	08	NP	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
311	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	02	05	02	03	NT	NT	NT	NT

Table 12. Individual laboratory results for DNA # 922 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
316	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
318	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
319	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	NT	NT	02	03	NT	NT	NT	NT
323	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	04(DP401)	19
402	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	NT	NT
452	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	01	02	04(DP401)	19
519	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
702	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
714	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	NT	NT
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
732	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
805	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
1113	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	NT	NT
1189	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
1212	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
1251	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	NT	NT
1647	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	02	05	02	03	01	02	04(DP401)	19
2063	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
2347	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
2549	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	04(DP401)	19
3264	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
3325	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	02	05	02	03	01	02	04(DP401)	19
3410	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
3438	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	04(DP401)	19
3582	11	25	07	40	02	07	07	13	3*02	4*01	NT	NT	02	03	NT	NT	NT	NT
3600	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	NT	NT
3614	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3625	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
3849	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
4237	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	NT	NT
4281	11	25	07	40	02	07	07	13	3*PRESENT	4*PRESENT	02	05	02	03	01	02	04(DP401)	19
4420	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	19
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	4*01	NT	NT	NT	NT	NT	NT	NT	NT
4551	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	NT	NT	04(DP401)	19
4582	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
4585	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
4613	11	25	07	40	02	07	07	13	NT	NT	NT	NT	02	03	NT	NT	NT	NT
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
5451	NT	NT	07	40	02	07	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	03	02	NT	NT
6313	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
9221	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19
9222	11	25	07	40	02	07	07	13	NT	NT	02	05	02	03	NT	NT	NT	NT
Final Consensus	11	25	07	40	02	07	07	13	3*02	4*01	02	05	02	03	01	02	04(DP401)	19

Table 13. Individual laboratory results for DNA # 923 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NEW	NT	NT	NT
134	24:07	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01G	3*02:02:01	5*01:01:01	01:02:01G	05:01:01G	03:01	05:02	NT	NT	01:01:01	05:01:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
168	24:07:01	34:01:01	35:01:01G	40:02:01G	NT	NT	11:01:01G	15:02:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	24:07:01	34:01:01	35:01:01G	40:02:01G	04:01:01G	15:02:01G	11:01:01G	15:02:01G	NT	NT	01:02:01G	05:01:01G	03:01:01G	05:02:01G	02:02:02	02:02:02	01:01:01G	05:01:01G
185	24:07	34:01:01	35:01:01G	40:02:01G	04:01:01G	15:02:01G	11:01P	15:02P	3*02:02P	5*01:01P	01:02:01G	05:01:01G	03:01P	05:02P	NT	NT	01:01:01G	05:01:01G
188	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
192	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01	05:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	02:01	01:01	05:01
197	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02P	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	NT	01:01	05:01
205	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
207	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	05:01
213	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02P	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01	05:01
218	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
227	24:07	34:01	35:01	40:02:01	04:01	15:02:01	11:01	15:02	3*02:02:01	5*01:01	NT	NT	03:01:01	05:02:01	NT	NT	01:01:01	05:01
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	NT	NT	NT	NT	03:01:01	05:02:01	NT	NT	01:01:01	05:01:01
264	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	24:07	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	05:01:01	05:01:01
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	05:01
403	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01G	15:02:01G	NT	NT	NT	NT	03:01:01	05:02:01	NT	NT	01:01:01	05:01:01G
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	24:07	34:01	FTA	FTA	04:01	15:02	11:01	15:02	FTA	FTA	FTA	FTA	FTA	FTA	FTA	FTA	FTA	FTA
702	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02	5*01:01	01:02	05:05	03:01:01	05:02:01	02:02	02:02	01:01:01	05:01:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	05:01P
732	24:07	34:01	FTA	FTA	04:01	15:02	11:01	15:02	3*02:02	5*01:01	FTA	FTA	FTA	FTA	FTA	FTA	FTA	FTA
805	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02:01G	3*02:02	5*01:01	NT	NT	03:01	05:02	02:02	02:02	01:01	05:01
1113	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	05:01P
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01	05:01
2063	24:07	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	FTA	FTA	01:01:01	05:01:01
2862	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	NEW	NT	NT	NT	NT	03:01:01	05:02:01	NT	NT	NT	NT
3264	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3614	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
4551	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02:01G	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01	05:01
4582	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02:01G	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02P	02:02P	01:01	05:01:01G
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	05:05	NT	NT	NT	NT	01:01	05:01
6051	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	NT	NT	03:01	05:02	NT	NT	01:01	05:01
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
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Table 14. Individual laboratory results for DNA # 923 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
138	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	05:01
144	24:07:01	34:01:01	35:01:01	40:02:01G	04:01:01	15:02:01	11:01	15:02:01G	NT	NT	01:02:01G	05:05	03:01:01	05:02:01	02:02P	02:02P	01:01P	05:01P
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	24:07	34:01	35:01:01G	40:02:01G	04:01	15:02	11:01:01G	15:02:01G	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01:01G	05:01:01G
158	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01	05:01
160	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	NT	NT	03:01	05:02	NT	NT	NT	NT
162	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01:01G	05:02	NT	NT	NT	NT
173	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
174	24:07	34:01	35:01	40:02	04:01:01G	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
176	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
190	24:07	34:01:01	35:01:01:01	40:02:01	04:01:01G	15:02:01	11:01:01	15:02:01	NT	NT	NT	NT	03:01:01:01	05:02:01	NT	NT	NT	NT
193	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
209	24:07	34:01	35:01	40:02	04:01	15:02	11:01:01G	15:02:01G	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01P	05:01P
239	NT	34:01	NT	NT	NT	NT	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	01:01P	05:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	24:07	34:01P	35:01P	40:02P	04:01P	15:02P	11:01P	15:02P	NT	NT	01:02P	05:01P	03:01P	05:02P	NT	NT	NT	NT
249	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02:01	5*01:01:01	01:02:01	05:05:01	03:01:01	05:02:01	02:02:02	02:02:02	01:01:01	05:01:01
262	NT	NT	NT	NT	NT	NT	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
267	24:02	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	NT	NT
273	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:01P	03:01	05:02	NT	NT	NT	NT
274	24:07	34:01	35:01P	40:02P	04:01P	15:02P	11:01P	15:02P	NT	NT	01:02	05:05	03:01P	05:02P	NT	NT	NT	NT
278	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
281	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	02:02	02:02	01:01	05:01
286	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
292	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
307	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	11:01	15:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	24:02	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:01	05:05	03:01	05:02	02:02	02:02	01:01	05:01
319	24:07	34:01	35:01:01G	40:02:01G	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01:01G	05:02	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
714	24:07	34:01	35:01P	40:02P	04:01P	15:02P	11:01	15:02P	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
769	24:07	34:01	35:01P	40:02P	04:01	15:02	11:01	15:02P	3*02:02:01G	5*01:01	NT	NT	03:01	05:02	NT	NT	01:01P	05:01P
1498	24:07	34:01	35:01:01G	40:02:01G	04:01:01G	15:02:01G	11:01:01	15:02:01	3*02:02	5*01:01	01:02	05:05:01	03:01:01	05:02:01	NT	NT	01:01:01	05:01:01
1647	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	05:01
1686	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
2015	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	24:07	34:01	35:01	40:02	04:01:01G	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
2549	24:07	34:01	35:01:01G	40:02:01G	04:01:01G	15:02:01G	11:01:01G	15:02:01G	NT	NT	01:02	05:01:01G	03:01	05:02	02:02	02:02	01:01	05:01
3261	24:07	34:01	35:01	40:02	04:01	15:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	NT	NT
3438	24:07	34:01	35:01	40:02	04:01	15:02	01:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	05:01
3582	24:07	34:01	35:01:01G	40:02:01G	04:01:01G	15:02:01G	11:01:01G	15:02:01G	3*02:02:01G	5*01:01:01G	NT	NT	03:01:01G	05:02:01G	NT	NT	01:01:01G	05:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	05:01P
3625	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	NT	NT	01:02	05:05	03:01	05:02	NT	NT	01:01	05:01
3849	24:07:01	34:01:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
4237	24:07:01	34:01:01	35:01:01	40:02P	04:01:01	15:02:01	11:01:01	15:02:01	3*02:02	5*01:01	01:02	05:05	03:01	05:02	NT	NT	NT	NT
4420	NT	34:01	NT	40:02	04:01	15:02	11:01	15:02	NT	NT	01:02	05:05	NT	05:02	NT	NT	01:01	05:01
4545	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02:01G	NT	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4613	24:07	34:01	35:01	40:02	04:01	15:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:01P	05:01P
5451	NT	NT	35:01:01	40:02:01	04:01:01	15:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6313	24:07:01	34:01:01	35:01:01	40:02:01	04:01:01	15:02:01	11:01:01	15:02:01	NT	NT	NT	NT	03:01:01	05:02:01	NT	NT	NT	NT

Table 14. Individual laboratory results for DNA # 923 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
9222	24:07	34:01	35:01	40:02	NT	NT	11:01	15:02	NT	NT	NT	NT	03:01	05:02	NT	NT	01:01	05:01
Final Consensus	24:07	34:01	35:01	40:02	04:01	15:02	11:01	15:02	3*02:02	5*01:01	01:02	05:05	03:01	05:02	02:02	02:02	01:01	05:01

Table 15. Individual laboratory results for DNA # 923 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
16	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
138	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
142	24	34	35	40	04	15	11	15	3*02	5*01	NT	NT	03	05	NT	NT	NT	NT
144	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
147	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
189	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
190	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
192	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	NT	NT	01	05
195	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
199	NT	NT	NT	NT	NT	NT	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
205	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
207	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
209	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
213	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	NT	NT	01	05
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
227	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
228	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
245	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
255	24	34	35	40	NT	NT	11	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
262	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	01	05	03	05	NT	NT	NT	NT
265	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
266	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
267	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	NT	NT	NT	NT
268	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
273	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	NT	NT	NT	NT
274	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
278	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
281	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
285	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
286	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
288	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
290	24	34	35	40	NT	NT	11	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
294	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	01	05
304	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
307	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
309	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
310	24	34	35	40	NT	NT	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 15. Individual laboratory results for DNA # 923 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
316	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
318	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
319	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	NT	NT	03	05	NT	NT	NT	NT
323	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
402	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
452	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
519	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
702	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
714	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
726	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
732	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
805	24	34	35	40	04	15	11	15	3*02	5*01	NT	NT	03	05	02	02	01	05
1113	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
1189	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
1212	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	01	05	03	05	02	02	01	05
1251	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	01	05
1647	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	01	05	03	05	02	02	01	05
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
2549	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
3264	24	34	35	40	NT	NT	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
3325	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	01	05	03	05	02	02	01	05
3410	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
3438	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	01	05
3582	24	34	35	40	04	15	11	15	3*02	5*01	NT	NT	03	05	NT	NT	NT	NT
3600	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
3614	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3625	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	NT	NT	01	05
3849	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
4237	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
4281	24	34	35	40	04	15	11	15	3*PRESENT	5*PRESENT	01	05	03	05	02	02	01	05
4420	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	01	05
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	5*01	NT	NT	NT	NT	NT	NT	NT	NT
4551	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	NT	NT	01	05
4582	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05
4585	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
4613	24	34	35	40	04	15	11	15	NT	NT	NT	NT	03	05	NT	NT	NT	NT
4709	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	02	02	01	05
5451	NT	NT	35	40	04	15	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	NT	NT
6313	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
9221	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	NT	01	05
9222	24	34	35	40	04	15	11	15	NT	NT	01	05	03	05	NT	NT	NT	NT
Final Consensus	24	34	35	40	04	15	11	15	3*02	5*01	01	05	03	05	02	02	01	05

Table 16. Individual laboratory results for DNA # 924 using Next Generation Sequencing

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1	DQB1		DPA1		DPB1			
16	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:03	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	NT	NT
124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
168	24:02:01G	24:02:01G	40:01:01G	58:01:01G	NT	NT	12:02:01	13:02:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	24:02:01G	24:02:01G	40:01:01G	58:01:01G	03:02:01G	04:82	12:02:01	13:02:01G	NT	NT	01:02:01G	06:01:01G	03:01:01G	06:09:01G	01:03:01G	02:01:01G	14:01:01G	03:01:01G
185	24:02:01G	24:02:01G	40:01:01G	58:01:01G	03:02:01G	04:01:01G	12:02P	13:02P	3*03:01P	3*03:01P	01:02:01G	06:01:01G	03:01P	06:09P	NT	NT	14:01:01G	03:01:01G
188	24:02:01:01	24:02:01:01	40:01	58:01	03:02:02:01	04:82	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	01:03P	02:01P	14:01	03:01P
189	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
192	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	NT	NT	14:01	03:01
195	NT	NT	40:01	58:01	NT	NT	NT	NT	3*03:01	3*03:01	NT	NT	NT	NT	NT	NT	14:01	104:01
197	24:02	NT	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	NT	01:02	06:01	03:01	06:09	01:03	02:01P	14:01	104:01
205	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:03	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	14:01:01	104:01
207	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	NT	NT	14:01	104:01
213	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	NT	NT	14:01	104:01
218	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
227	24:02:01:01	24:02:01:01	40:01:02	58:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01	3*03:01	NT	NT	03:01:01	06:09	NT	NT	14:01	104:01
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	24:02:01:01	24:02:01:01	40:01:02	58:01:01	03:02:02:01	04:82	12:02:01	13:02:01	NT	NT	NT	NT	03:01:01	06:09:01:01	NT	NT	14:01:01	104:01:01
264	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:03	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	14:01:01	104:01:01
279	24:02	24:02	40:01	58:01	03:02	04:01P	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	NT	NT	14:01	104:01
282	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:03	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	14:01:01	104:01:01
294	24:02P	24:02P	40:01	58:01	03:02	04:82	12:02P	13:02P	3*03:01P	3*03:01P	NT	06:01	NT	NT	NT	NT	NT	NT
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	14:01	104:01
403	24:02:01:01	24:02:01:01	40:01:02	58:01:01	03:02:02:01	04:82	12:02:01	13:02:01	NT	NT	NT	NT	03:01:01	06:09:01:01	NT	NT	14:01:01	104:01:01
519	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:03	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	14:01:01	104:01:01
615	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	FTA	FTA	14:01	104:01
702	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01	3*03:01	01:02	06:01	03:01:01	06:09:01	01:03	02:01	14:01:01	104:01:01
726	24:02	24:02	NT	NT	NT	NT	NT	NT	NT	NT	06:01	NT	NT	NT	NT	NT	14:01	03:01P
732	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
805	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01:01G	14:01	104:01
1113	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	NT	06:01	03:01	06:09	NT	NT	14:01	03:01P
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	14:01	104:01
2063	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:03	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	14:01:01	104:01:01
2862	24:02:01:01	24:02:01:01	40:01:02	58:01:01	03:02:02:01	04:82	12:02:01	13:02:01	NT	NT	NT	NT	03:01:01	06:09:01:01	NT	NT	NT	NT
3264	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3614	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	03:01:01G
4551	24:02:01G	24:02:01G	40:01:01G	58:01:01G	03:02:01G	04:01:01G	12:02	13:02:01G	3*03:01	3*03:01	01:02:01G	06:01:01G	03:01:01G	06:09:01G	NT	NT	14:01:01G	03:01:01G
4582	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	06:01	NT	NT	NT	NT	NT	14:01	104:01
6051	NT	NT	NT	NT	NT	NT	12:02	13:02	NT	NT	NT	06:01	03:01	06:09	NT	NT	14:01	03:01:01G
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	24:02	24:02	40:01	58:01	03:02	04:01:01G	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
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Table 17. Individual laboratory results for DNA # 924 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
138	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	14:01	104:01
144	24:02:01:01	24:02:01:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	NT	NT	01:02:01G	06:01	03:01:01	06:09:01	01:03P	02:01P	14:01	03:01P
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	24:02:01G	24:02:01G	40:01	58:01	03:02:01G	04:01:01G	12:02	13:02	NT	NT	NT	NT	03:01:01G	06:09:01G	NT	NT	14:01	104:01
158	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	NT	NT	14:01	104:01
160	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	NT	NT	03:01	06:09	NT	NT	NT	NT
162	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	NT	NT	03:01:01G	06:09	NT	NT	NT	NT
173	24:02	24:07	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	NT	NT	NT	NT
174	24:02	24:02	40:01	58:01	03:02	04:01:01G	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
176	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
190	24:02:01:01	24:02:01:01	40:01:02	58:01:01	03:02:01G	04:01:01G	12:02:01	13:02:01	NT	NT	NT	NT	03:01:01:01	06:09:01:01	NT	NT	NT	NT
193	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
209	24:02	24:02	40:01	58:01	03:02	04:01P	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	NT	NT	14:01	03:01P
239	NT	NT	40:01	58:01	NT	NT	12:02	13:02	3*03:01	NT	01:02	06:01	NT	06:09	NT	NT	14:01	03:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01:02	06:01	NT	NT	NT	NT	NT	NT
244	24:02P	24:02P	40:01P	58:01P	03:02P	04:01P	12:02P	13:02P	NT	NT	01:02	06:01	03:01	06:09	NT	NT	NT	NT
249	24:02:01	24:02:01	40:01:02	58:01:01	03:02:02	04:82	12:02:01	13:02:01	3*03:01:01	3*03:01:01	01:02:01	06:01:01	03:01:01	06:09:01	01:03:01	02:01:01	14:01:01	104:01:01
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	NT	NT	NT	NT
273	24:02	24:02	40:01	58:01	03:02	04:01P	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	NT	NT	NT	NT
274	24:02P	24:02P	40:01P	58:01P	03:02	04:01P	12:02	13:02P	NT	NT	01:02	06:01	03:01P	06:09P	NT	NT	NT	NT
278	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
281	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	06:01	NT	NT	NT	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
292	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
307	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	12:02	13:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	4*01:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	03:01
319	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	NT	NT	03:01:01G	06:09	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	24:02P	24:02P	40:01P	58:01	03:02	04:01P	12:02	13:02	NT	NT	NT	NT	03:01P	06:09P	NT	NT	NT	NT
769	24:02P	24:02P	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	NT	NT	03:01P	06:09P	NT	NT	14:01	03:01P
1498	24:02:01G	24:02:01G	40:01	58:01	03:02	04:01:01G	12:02:01	13:02:01	3*03:01	3*03:01	01:02	06:01	03:01:01	06:09:01	NT	NT	14:01:01	104:01
1647	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1686	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	3*03:01	NT	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
2015	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	24:02	24:02	40:01	58:01	03:02	04:01:01G	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
2549	24:02:01G	24:02:01G	40:01:01G	58:01	03:02	04:82	12:02	13:02:01G	NT	NT	01:02	06:01	03:01:01G	06:09:01G	01:03	02:01	14:01	03:01:01G
3261	24:02	NT	40:01	58:01	03:02	04:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	24:02	24:02	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	NT	NT
3438	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	NT	NT	03:01	06:09	NT	NT	14:01	104:01
3582	24:02:01G	24:02:01G	40:01:01G	58:01:01G	03:02:01G	04:01:01G	12:02	13:02:01G	3*03:01:01G	3*03:01:01G	NT	NT	03:01:01G	06:09:01G	NT	NT	14:01:01G	03:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	14:01	104:01
3625	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	NT	NT	14:01	03:01
3849	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01:01G	03:01:01G
4237	24:02	24:02	40:01:02	58:01:01	03:02	04:82	12:02:01	13:02:01	3*03:01	NT	01:02P	06:01	03:01	06:09	NT	NT	NT	NT
4420	NT	NT	40:01	58:01	03:02	04:01	12:02	NT	NT	NT	01:02	06:01	NT	06:09	NT	NT	14:01	NT
4545	24:02:01G	24:02:01G	40:01	58:01	03:02	04:82	12:02	13:02	NT	NT	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	06:01	NT	NT	NT	NT	NT	NT	NT
4613	24:02	24:02	40:01	58:01	03:02	04:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	14:01	03:01P
5451	NT	NT	40:01:02	58:01:01	03:02:02:01	04:82	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6313	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 17. Individual laboratory results for DNA # 924 High Resolution

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		
9222	24:02	24:02	40:01	58:01	03:02	04:01	12:02	13:02	NT	NT	NT	NT	NT	NT	NT	NT	14:01	104:01
Final Consensus	24:02	24:02	40:01	58:01	03:02	04:01:01G	12:02	13:02	3*03:01	3*03:01	01:02	06:01	03:01	06:09	01:03	02:01	14:01	104:01

Table 18. Individual laboratory results for DNA # 924 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
16	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
134	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	14	03
138	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
142	24	24	40	58	03	04	12	13	3*03	3*03	NT	NT	03	06	NT	NT	NT	NT
144	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	01	02	14	03
147	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
148	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
175	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
189	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
190	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
192	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	NT	NT	14	03
195	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
199	NT	NT	NT	NT	NT	NT	12	13	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
205	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
207	24	24	40	58	03	04	12	13	3*PRESENT	NP	01	06	03	06	NT	NT	NT	NT
209	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
213	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	NT	NT	14	104
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
227	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
228	24	NT	40	58	03	04	12	13	3*PRESENT	NT	NT	NT	03	06	NT	NT	NT	NT
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	NT	NT
242	24	NT	40	58	03	04	12	13	3*PRESENT	NT	01	06	03	06	NT	NT	NT	NT
244	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
245	24	24	40	58	03	04	12	13	3*03	NP	01	06	03	06	01	02	14	03
255	24	24	40	58	NT	NT	12	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	14	03
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
266	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	01	02	14	03
267	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	NT	NT	NT	NT
268	24	24	40	58	03	04	NT	13	NT	NT	01	06	03	06	NT	NT	NT	NT
273	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	NT	NT	NT	NT
274	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
278	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
279	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	14	104
280	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
281	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
285	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
286	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
288	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
290	24	24	40	58	NT	NT	12	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
294	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	NT	NT	NT	NT
304	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
307	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
309	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	01	02	03	03
310	24	24	40	58	NT	NT	12	13	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 18. Individual laboratory results for DNA # 924 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
316	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	01	02	14	03
318	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	01	02	14	03
319	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	NT	NT	03	06	NT	NT	NT	NT
323	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
402	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
452	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	01	02	14	03
519	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
702	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
714	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
726	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
732	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
805	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
1113	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	01	06	03	06	01	02	NT	NT
1189	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
1212	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	01	06	03	06	01	02	14	104
1251	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
1647	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	01	06	03	06	01	02	14	104
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	NT	NT
2549	24	24	40	58	03	04	12	13	3*03	NT	01	06	03	06	01	02	14	03
3264	24	24	40	58	NT	NT	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
3325	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	01	06	03	06	01	02	14	104
3410	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
3438	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	14	104
3582	24	24	40	58	03	04	12	13	3*03	3*03	NT	NT	03	06	NT	NT	NT	NT
3600	24	24	40	58	03	04	12	13	3*03	NT	01	06	03	06	01	02	NT	NT
3614	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3625	24	24	40	58	03	04	12	13	3*03	NT	01	06	03	06	01	02	14	03
3849	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
4237	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
4281	24	24	40	58	03	04	12	13	3*PRESENT	3*PRESENT	01	06	03	06	01	02	14	03
4420	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	14	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*03	3*03	NT	NT	NT	NT	NT	NT	NT	NT
4551	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03
4582	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	104
4585	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
4613	24	24	40	58	03	04	12	13	NT	NT	NT	NT	03	06	NT	NT	NT	NT
4709	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	14	104
5451	NT	NT	40	58	03	04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	NT	NT
6313	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
9221	24	NT	40	58	03	04	12	13	3*03	NT	01	06	03	06	01	02	14	03
9222	24	24	40	58	03	04	12	13	NT	NT	01	06	03	06	NT	NT	NT	NT
Final Consensus	24	24	40	58	03	04	12	13	3*03	3*03	01	06	03	06	01	02	14	03

Table 19. Individual laboratory results for DNA # 925 using Next Generation Sequencing

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		
16	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	02:01:02	131:01
124	02:01:01:01	23:17	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	02:01	131:01
134	02:01:01	23:01:01G	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01G	03:03:02	NT	NT	02:01:02	131:01
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
168	02:01:01G	23:01:01G	14:01:01G	15:01:01G	NT	NT	04:01:01	13:01:01G	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	02:01:01G	23:01:01G	14:01:01G	15:01:01G	03:04:01G	08:02:01G	04:01:01	13:01:01G	NT	NT	03:01:01G	03:01:01G	03:02:01G	03:03:02G	02:01:01G	02:01:01G	02:01:02G	17:01:01G
185	02:01:01G	23:01:01G	14:01:01G	15:01:01G	03:04:01G	08:02:01G	04:01P	13:01P	3*02:02P	4*01:01P	03:01:01G	03:01:01G	03:02P	03:03P	NT	NT	02:01:02G	17:01:01G
188	02:01	23:17	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01	04:01	13:01	NT	NT	03:01:01	03:03	03:02	03:03	02:01P	02:01P	02:01P	17:01P
189	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
192	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	NT	NT	02:01	17:01
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01P	NT	02:01	131:01
205	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	02:01:02	131:01
207	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	03:01	03:03	03:02	03:03	NT	NT	02:01	131:01
213	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	NT	NT	02:01	131:01
218	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
227	02:01	23:17	14:01	15:01:01:01	03:04:01	08:02	04:01	13:01	3*02:02	4*01:03	NT	NT	03:02:01	03:03:02	NT	NT	02:01:02	131:01
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	02:01:01	23:17	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01	04:01:01	13:01:01	NT	NT	NT	NT	03:02	03:03:02:01	NT	NT	02:01:02	131:01
264	02:01:01G	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	02:01:02G	17:01:01G
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	02:01	131:01
403	02:01:01	23:17	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01	04:01:01	13:01:01	NT	NT	NT	NT	03:02:01G	03:03:02:01	NT	NT	02:01:02	131:01
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
615	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
702	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02	4*01:03	03:01	03:03	03:02:01	03:03:02	02:01	02:01	02:01:02	131:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	17:01P	17:01P
732	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
805	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01:01G	02:01	131:01
1113	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	NT	NT	02:01	131:01
1212	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	NT	NT	02:01	131:01
1251	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01:02G	17:01:01G	17:01:01G
2063	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	02:01:02	131:01
2862	02:01:01	23:17	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01	04:01:01	13:01:01	NT	NT	NT	NT	03:02	03:03:02:01	NT	NT	NT	NT
3264	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03	03:01:01	03:03:01	03:02:01	03:03:02	NT	NT	02:01:02	131:01
3614	02:01	NT	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:01:01G	03:02	03:03	02:01	02:01	02:01:02G	17:01:01G
4551	02:01:01G	23:01:01G	14:01:01G	15:01:01G	03:04:01G	08:02:01G	04:01	13:01:01G	3*02:02	4*01:03	03:01:01G	03:03	03:02	03:03	NT	NT	02:01	131:01
4582	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	131:01	131:01
6051	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Final Consensus based on High Resolution	02:01	23:01:01G	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
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Table 20. Individual laboratory results for DNA # 925 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
138	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	02:01	131:01
144	02:01:01G	23:01P	14:01:01:01	15:01:01:01	03:04:01	08:02:01	04:01:01	13:01:01	NT	NT	03:01:01G	03:01:01G	03:02:01	03:03:02G	02:01P	02:01P	02:01P	17:01P
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	02:01:01G	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	02:01:02G	17:01:01G
158	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	NEW	NT	02:01	17:01
160	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	NT	NT	03:02	03:03	NT	NT	NT	NT
162	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
173	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	03:01	03:03	03:02	03:03	NT	NT	NT	NT
174	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
176	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
190	02:01:01:01	23:17	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01:01	04:01:01	13:01:01	NT	NT	NT	NT	03:02:01	03:03:02:01	NT	NT	NT	NT
193	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	23:01	14:01	NT	NT	NT	NT	13:01	NT	4*01:03	03:01	NT	03:02	03:03	NT	NT	02:01P	17:01P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02:01	23:01P	14:01P	15:01P	03:04P	08:02P	04:01P	13:01P	NT	NT	03:01	03:03	03:02	03:03	NT	NT	NT	NT
249	02:01:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02:01	4*01:03:01	03:01:01	03:03:01	03:02:01	03:03:02	02:01:01	02:01:01	02:01:02	131:01
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:02	3*02:02	4*01:01	03:01	03:02	03:02	03:03	NT	NT	NT	NT
273	02:01	23:01P	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01P	03:01P	03:02	03:03	NT	NT	NT	NT
274	02:01P	23:17	14:01	15:01P	03:04P	08:02P	04:01	13:01P	NT	NT	03:01P	03:03	03:02P	03:03P	NT	NT	NT	NT
278	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01
281	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	04:01	NT	NT	NT	03:01	NT	NT	NT	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
292	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
307	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	03:01	03:03	03:02	03:03	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	03:03	NT	NT	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	04:01	13:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:01	03:02	03:03	02:01	02:01	02:01	17:01
319	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
714	02:01P	23:01P	14:01	15:01	03:04P	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
769	02:01P	23:01P	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02:01G	4*01:01P	NT	NT	03:02	03:03	NT	NT	02:01P	17:01P
1498	02:01:01G	23:01:01G	14:01	15:01:01G	03:04	08:02	04:01:01	13:01:01	3*02:02	4*01:03	03:01	03:03	03:02:01	03:03:02	NT	NT	02:01:02G	17:01:01G
1647	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1686	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01P	131:01
2015	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	23:01:01G	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
2549	02:01:01G	23:17	14:01	15:01	03:04:01G	08:02	04:01	13:01:01G	NT	NT	03:01:01G	03:01:01G	03:02	03:03	02:01	02:01	02:01	17:01:01G
3261	02:01	23:17	14:01	15:01	03:04	08:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
3438	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
3582	02:01:01G	23:01:01G	14:01	15:01:01G	03:04:01G	08:02:01G	04:01	13:01:01G	3*02:02:01G	4*01:01:01G	NT	NT	03:02:01G	03:03:02G	NT	NT	02:01:02G	17:01:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	02:01	02:01P	17:01P
3625	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	03:01	03:03	03:02	03:03	NT	NT	02:01	17:01
3849	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01:02G	17:01:01G
4237	02:01	23:17	14:01:01	15:01:01	03:04:01	08:02:01	04:01:01	13:01:01	3*02:02	3*01:03	03:01	03:01P	03:02	03:03	NT	NT	NT	NT
4420	02:01	NT	14:01	15:01	NT	NT	04:01	13:01	NT	NT	03:01	03:03	03:02	03:03	NT	NT	02:01	NT
4545	02:01	23:17	14:01	15:01	03:04	08:02	04:01	13:01	NT	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01:02G	17:01:01G
4585	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	03:01	NT	NT	NT	NT	NT	NT	NT
4613	02:01P	23:01P	14:01	15:01	03:04	08:02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	17:01P
5451	NT	NT	14:01:01:01	15:01:01:01	03:04:01:01	08:02:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6313	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 20. Individual laboratory results for DNA # 925 High Resolution

CENTER	A		B		C		DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		
9222	02:01	23:01	14:01	15:01	03:04	08:02	04:01	13:01	NT	NT	NT	NT	03:02	03:03	NT	NT	NT	NT
Final Consensus	02:01	23:01:01G	14:01	15:01	03:04	08:02	04:01	13:01	3*02:02	4*01:03	03:01	03:03	03:02	03:03	02:01	02:01	02:01	131:01

Table 21. Individual laboratory results for DNA # 925 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
16	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
134	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
138	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
142	02	23	14	15	03	08	04	13	3*02	4*01	NT	NT	03	03	NT	NT	NT	NT
144	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	17
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
148	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
175	02	23	14	15	03	NT	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
189	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
190	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
192	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	NT	NT	02(DP201)	17
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
199	NT	NT	NT	NT	NT	NT	04	13	3*PRESENT	4*PRESENT	NT	NT	03	04	NT	NT	NT	NT
205	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
207	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	NT	NT	02(DP201)	131
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
227	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
228	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
245	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
255	02	23	14	15	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
266	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	17
267	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	NT	NT	NT	NT
268	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
273	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	NT	NT	NT	NT
274	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
278	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
281	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
285	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
286	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
288	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
290	02	23	14	15	NT	NT	04	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
304	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
307	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
309	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	17
310	02	23	14	15	NT	NT	04	13	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
311	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	03	03	03	03	NT	NT	NT	NT

Table 21. Individual laboratory results for DNA # 925 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
316	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	17
318	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	17
319	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	NT	NT	03	03	NT	NT	NT	NT
323	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	02(DP201)	131
402	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
452	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	131
519	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
702	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
714	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
726	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
732	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
805	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
1113	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1189	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	02	02	02(DP201)	17
1647	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	03	03	03	03	02	02	02(DP201)	131
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
2549	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
3264	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	NT	NT	02(DP201)	131
3325	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	03	03	03	03	02	02	02(DP201)	131
3410	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
3438	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
3582	02	23	14	15	03	08	04	13	3*02	4*01	NT	NT	03	03	NT	NT	NT	NT
3600	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	NT	NT
3614	NT	23	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3625	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
3849	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	17
4237	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
4281	02	23	14	15	03	08	04	13	3*PRESENT	4*PRESENT	03	03	03	03	02	02	02(DP201)	17
4420	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	02(DP201)	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	4*01	NT	NT	NT	NT	NT	NT	NT	NT
4551	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
4582	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
4585	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
4613	02	23	14	15	03	08	04	13	NT	NT	NT	NT	03	03	NT	NT	NT	NT
4709	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131
5451	NT	NT	14	15	03	08	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	NT	NT
6313	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
9221	02	23	14	15	03	08	04	13	3*02	4*01	03	NT	03	03	02	NT	02(DP201)	131
9222	02	23	14	15	03	08	04	13	NT	NT	03	03	03	03	NT	NT	NT	NT
Final Consensus	02	23	14	15	03	08	04	13	3*02	4*01	03	03	03	03	02	02	02(DP201)	131

Table 22. Individual laboratory results for DNA # 926 using Next Generation Sequencing

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
16	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	02:01:02	04:02:01
124	02:01:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	02:01:02G	04:02:01G
134	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
147	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
168	02:01:01G	66:01:01G	35:12:01	47:01:01G	NT	NT	08:02:01	11:04:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
175	02:01:01G	66:01:01G	35:12:01	47:01:01G	04:01:01G	17:01:01G	08:02:01	11:04:01	NT	NT	04:01:01G	05:01:01G	03:01:01G	04:02:01G	01:03:01G	01:03:01G	02:01:02G	04:02:01G
185	02:01P	66:01P	35:12:01	47:01:01G	04:01:01G	17:01:01G	08:02P	11:04P	3*02:02P	NP	04:01:01G	05:01:01G	03:01P	04:02P	NT	NT	02:01:02G	04:02:01G
188	02:01	66:01:01	35:12:01	47:01:01	04:01	17:03:01	08:02	11:04:01	NT	NT	04:01	05:05	03:01	04:02	01:03P	01:03P	02:01P	04:02P
189	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
192	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	NT	NT	02:01	04:02
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NT	04:01	05:05	03:01	04:02	01:03	NT	02:01	04:02
205	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	02:01:02	04:02:01
207	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	04:01	05:05	03:01	04:02	NT	NT	02:01	04:02
213	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NT	04:01	05:05	03:01	04:02	NT	NT	02:01P	04:02P
218	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
227	02:01	66:01	35:12	47:01	04:01	17:03	08:02:01	11:04:01	3*02:02	NP	NT	NT	03:01:01	04:02	NT	NT	02:01:02	04:02
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
258	02:01:01	66:01:01	35:12	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	NT	NT	NT	NT	03:01:01	04:02	NT	NT	02:01:02G	04:02:01G
264	02:01:01G	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	02:01:02G	04:02:01G
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
282	02:01:01	66:01:01	35:12	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
323	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NT	NT	NT	NT	02:01	04:02
403	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	NT	NT	NT	NT	03:01:01	04:02	NT	NT	02:01:02	04:02:01
519	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NT	NT	NT	NT	NT	NT
615	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
702	02:01:01:01	66:01:01	35:12	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02	NP	04:01	05:05	03:01:01	04:02:01	01:03	01:03	02:01:02	04:02:01
726	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NT	NT	NT	NT	02:01P	04:02P
732	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
805	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
1113	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	NT	03:01	04:02	NT	NT	02:01P	04:02P
1212	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	NT	NT	02:01	04:02
1251	02:01:01G	66:01:01	35:12:01	47:01:01	04:01:01G	17:03	08:02:01	11:04:01	3*02:02	NP	04:01	NT	03:01:01	04:02:01	01:03	NT	02:01	04:02
2063	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	02:01:02	04:02:01
2862	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	NT	NT	NT	NT	03:01:01	04:02	NT	NT	NT	NT
3264	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	NT	NT	02:01:02	04:02:01
3614	NT	NT	NT	47:01	NT	NT	NT	NT	3*02:02	NT	04:01	05:05	NT	NT	01:03	01:03	02:01	04:02
4551	02:01:01G	66:01:01G	35:12:01	47:01:01G	04:01:01G	17:03	08:02	11:04	3*02:02:01	NP	04:01:01G	05:01:01G	03:01	04:02	NT	NT	02:01	04:02
4582	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01:02G	04:02:01G
4709	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01	04:02
6051	NT	NT	NT	NT	NT	NT	08:02	11:04	NT	NP	04:01	NT	03:01	04:02	NT	NT	02:01	04:02
45452	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Final Consensus based on High Resolution	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02

Table 23. Individual laboratory results for DNA # 926 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
138	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	02:01	04:02
144	02:01:01G	66:01:01	35:12	47:01:01	04:01	17:03:01	08:02	11:04	NT	NT	04:01	05:05	03:01:01	04:02	01:03P	01:03P	02:01P	04:02P
148	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
151	02:01:01G	66:01:01G	35:12	47:01	04:01:01G	17:01:01G	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	02:01:02G	04:02:01G
158	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	NT	NT	02:01	04:02
160	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
162	02:01	66:01	35:12	47:01	04:01	17:01:01G	08:02	11:04	NT	NT	NT	NT	03:01:01G	04:02	NT	NT	NT	NT
173	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	04:01	05:05	03:01	04:02	NT	NT	NT	NT
174	02:01	66:01	35:12	47:01	04:01:01G	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
176	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
190	02:01:01:01	66:01:01	35:12	47:01:01:01	04:01:01G	17:03	08:02:01	11:04:01	NT	NT	NT	NT	03:01:01:01	04:02:01	NT	NT	NT	NT
193	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	NT	66:01	35:12	47:01	NT	NT	08:02	NT	NT	NP	04:01	NT	NT	04:02	NT	NT	02:01P	04:02P
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02:01	66:01P	35:12P	47:01P	04:01P	17:01P	08:02P	11:04P	NT	NT	04:01P	05:01P	03:01P	04:02P	NT	NT	NT	NT
249	02:01:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02:01	NP	04:01:01	05:05:01	03:01:01	04:02:01	01:03:01	01:03:01	02:01:02	04:02:01
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
267	02:01	66:01	35:12	47:01	04:01	17:01	08:02	11:01	3*02:02	NP	04:01	05:05	03:01	04:02	NT	NT	NT	NT
273	02:01	66:01	35:12	47:01	04:01	17:01P	08:02	11:04	3*02:02	NP	04:01	05:01P	03:01	04:02	NT	NT	NT	NT
274	02:01P	66:01P	35:12	47:01	04:01P	17:03	08:02	11:04P	NT	NT	04:01	05:05	03:01P	04:02P	NT	NT	NT	NT
278	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NT	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
281	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
286	NT	NT	35:12	47:01	NT	NT	NT	NT	NT	NT	04:01	NT	NT	NT	NT	NT	NT	NT
288	NT	NT	NT	NT	NT	NT	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
292	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
307	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	04:01	05:05	03:01	04:02	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	NT	NT	NT	NT	NT	NT	08:02	11:04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
317	02:01	66:01	35:12	47:01	04:01	17:01	08:02	11:04	3*02:02	3*02:02	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
319	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01:01G	04:02	NT	NT	NT	NT
402	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
714	02:01P	66:01	35:12	47:01	04:01P	17:01P	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
769	02:01P	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02:01G	NP	NT	NT	03:01	04:02	NT	NT	02:01P	04:02P
1498	02:01:01G	66:01	35:12	47:01	04:01:01G	17:01:01G	08:02:01	11:04:01	3*02:02	NP	04:01	05:05:01	03:01:01	04:02:01	NT	NT	02:01	04:02:01
1647	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NT	NT	NT	NT	NT	NT
1686	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NT	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02
2015	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2518	02:01	66:01	35:12	47:01	04:01:01G	17:01:01G	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
2549	02:01:01G	66:01	35:12	47:01	04:01:01G	17:03	08:02	11:04	NT	NT	04:01	05:05	03:01	04:02	01:03	01:03	02:01:02G	04:02:01G
3261	02:01	66:01	35:12	47:01	04:01	17:03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
3410	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	NT	NT
3438	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	02:01	04:02
3582	02:01:01G	66:01	35:12	47:01	04:01:01G	17:03	08:02	11:04	3*02:02:01G	NP	NT	NT	03:01:01G	04:02:01G	NT	NT	02:01:02G	04:02:01G
3600	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	04:02P
3625	02:01	66:01	35:12	47:01	04:01	17:01	08:02	11:04	NT	NT	04:01	05:05	03:01	04:02	NT	NT	02:01	04:02
3849	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01:02G	04:02:01G
4237	02:01	66:01:01	35:12:01	47:01:01	04:01:01	17:03:01	08:02:01	11:04:01	3*02:02	NP	04:01	05:01P	03:01	04:02	NT	NT	NT	NT
4420	02:01	66:01	35:12	47:01	04:01	NT	08:02	11:04	NT	NT	04:01	05:05	NT	04:02	NT	NT	02:01	NT
4545	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	NT	NT	04:01	05:05	03:01	04:02	01:03	01:03	02:01:02G	04:02:01G
4585	02:01	66:01	35:12	47:01	NT	17:03	08:02	11:04	NT	NT	04:01	NT	NT	NT	NT	NT	NT	NT
4613	02:01P	66:01	35:12	47:01	04:01	17:01P	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	02:01P	04:02P
5451	NT	NT	35:12:01	47:01:01	04:01:01	17:03:01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6313	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 23. Individual laboratory results for DNA # 926 High Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
9222	02:01	66:01	35:12	47:01	04:01	17:01	08:02	11:04	NT	NT	NT	NT	03:01	04:02	NT	NT	02:01	04:02
Final Consensus	02:01	66:01	35:12	47:01	04:01	17:03	08:02	11:04	3*02:02	NP	04:01	05:05	03:01	04:02	01:03	01:03	02:01	04:02

Table 24. Individual laboratory results for DNA # 926 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
7	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
16	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
134	02	66	35	47	04	17	08	11	NT	NT	NT	NT	03	04	NT	NT	02(DP201)	04(DP402)
138	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
142	02	66	35	47	04	17	08	11	3*02	NP	NT	NT	03	04	NT	NT	NT	NT
144	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	01	01	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
175	02	NT	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
189	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
190	02	66	35	47	04	17	08	11	3*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
192	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	NT	NT	02(DP201)	04(DP402)
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
199	NT	NT	NT	NT	NT	NT	08	11	3*PRESENT	3*PRESENT	NT	NT	03	04	NT	NT	NT	NT
205	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
207	02	66	35	47	04	17	08	11	3*03	NP	04	05	03	04	NT	NT	NT	NT
209	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
213	02	66	35	47	04	17	08	11	3*02	NT	04	05	03	04	NT	NT	02(DP201)	04(DP402)
215	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
226	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
227	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
228	02	66	35	47	04	17	08	11	3*PRESENT	NT	NT	NT	03	04	NT	NT	NT	NT
234	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
239	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	NT	NT
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
244	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
245	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
255	02	66	35	47	NT	NT	08	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
260	02	66	35	47	04	17	08	11	3*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
262	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
265	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
266	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
267	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	NT	NT	NT	NT
268	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
273	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	NT	NT	NT	NT
274	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
278	02	66	35	47	04	17	08	11	3*02	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
279	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
280	02	66	35	47	04	17	08	11	NT	NT	NT	NT	03	04	NT	NT	NT	NT
281	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
285	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
286	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
288	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
290	02	66	35	47	NT	NT	08	11	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
292	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
294	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
304	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
307	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
309	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
310	02	66	35	47	NT	NT	08	11	3*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
311	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 24. Individual laboratory results for DNA # 926 Low Resolution

CENTER	A		B		C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
313	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
316	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
318	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
319	02	66	35	47	04	17	08	11	3*PRESENT	NP	NT	NT	03	04	NT	NT	NT	NT
323	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
402	02	66	35	47	04	17	08	11	NT	NT	NT	NT	03	04	NT	NT	NT	NT
452	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
519	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
714	02	66	35	47	04	17	08	11	NT	NT	NT	NT	03	04	NT	NT	NT	NT
726	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
732	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
805	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
1113	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	04	05	03	04	NT	NT	NT	NT
1189	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
1212	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
1251	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	NT	02(DP201)	04(DP402)
1647	02	66	35	47	04	17	08	11	3*PRESENT	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
2063	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2347	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
2549	02	66	35	47	04	17	08	11	3*02	NT	04	05	03	04	01	01	02(DP201)	04(DP402)
3264	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	NT	NT	02(DP201)	04(DP402)
3325	02	66	35	47	04	17	08	11	3*PRESENT	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
3410	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
3438	02	66	35	47	04	17	08	12	NT	NT	04	05	03	04	NT	NT	02(DP201)	04(DP402)
3582	02	66	35	47	04	17	08	11	3*02	NP	NT	NT	03	04	NT	NT	NT	NT
3600	02	66	35	47	04	17	08	11	3*02	NT	04	05	03	04	01	01	NT	NT
3614	02	66	35	NT	04	17	08	11	NT	NP	NT	NT	03	04	NT	NT	NT	NT
3625	02	66	35	47	04	17	08	11	3*02	NT	04	05	03	04	NT	NT	02(DP201)	04(DP402)
3849	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
4237	02	66	35	47	04	17	08	11	NT	NT	NT	NT	03	04	NT	NT	NT	NT
4281	02	66	35	47	04	17	08	11	3*PRESENT	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
4420	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	02(DP201)	NT
4545	NT	NT	NT	NT	NT	NT	NT	NT	3*02	NP	NT	NT	NT	NT	NT	NT	NT	NT
4551	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
4582	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
4585	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
4613	02	66	35	47	04	17	08	11	NT	NT	NT	NT	03	04	NT	NT	NT	NT
4709	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)
5451	NT	NT	35	47	04	17	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6051	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	NT	NT
6313	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
9221	02	66	35	47	04	17	08	11	3*02	NT	04	05	03	04	01	NT	02(DP201)	04(DP402)
9222	02	66	35	47	04	17	08	11	NT	NT	04	05	03	04	NT	NT	NT	NT
Final Consensus	02	66	35	47	04	17	08	11	3*02	NP	04	05	03	04	01	01	02(DP201)	04(DP402)

Participants and Methods

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
7	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
16	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
124	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
134	NGS-GI	NGS-GI	NGS-GI	NGS-GI	NGS-GI	NGS-GIL	NGS-GIL		NGS-GIL
	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		SSP-OLE		SSP-OLE
138	SBT-OL	SBT-OL	SBT-OL	SBT-OL	SSO-OL	SSO-OL	SBT-OL	SSO-OL	SBT-OL
	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE			SSP-OLE		
142	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM		
144	SBT-HA-SC	SBT-HA-SC	SBT-HA-SC	SBT-HA-SC	SSO-OL	SSO-OL	SBT-HA-SC	SSO-OL	SSO-OL
	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
147	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	SSP-LB-OLE	SSP-LB-OLE	NGS-GIL	SSP-LB	NGS-GIL
	SSP-LB	SSP-LB	SSP-LB	SSP-LB-OLE			SSP-LB-OLE		SSP-LB-OLE
148	SBT-ACT	SBT-ACT	SBT-ACT	SBT-ACT	SBT-GD	SSO-OL	SBT-PRO	SSO-OL	SBT-ACT
	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG			SSO-BAG		
151	SBT-LT	SBT-LT	SBT-LT	SBT-LT	SSO-OL	SSO-OL	SBT-LT	SSO-OL	SBT-LT
	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
158	SSP-BAG-OLE	SSP-BAG-OLE	SSP-BAG-OLE	SSP-BAG-OLE	SSP-OLE	SSP-BAG-OLE	SSP-BAG-OLE		SSP-BAG-OLE
160	SBT-GIL	SBT-GIL	SBT-GIL	SBT-GIL	SSO-OL	SSO-OL	SBT-GIL	SSO-OL	SBT-GIL
	SSO-OL	SSO-OL	SSO-GIL-OL	SSO-OL			SSO-OL		
162	SBT-BS	SBT-BS	SBT-BS	SBT-BS	SSP-BS	SSP-BS	SBT-BS	SSP-BS	SBT-BS
	SSP-BS	SSP-BS	SSP-BS	SSP-BS			SSP-BS		
168	NGS-INH	NGS-INH		NGS-INH					
173	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		SSO-LUM-OL SSP-INV	SSO-LUM-OL		
174	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
175	NGS-IL	NGS-IL	NGS-IL	NGS-IL		NGS-IL	NGS-IL	NGS-IL	NGS-IL
	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM
176	SBT-INH	SBT-INH	SBT-INH	SBT-INH			SBT-INH		
185	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH		NGS-INH
188	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL	SSO-OL	SSO-OL	NGS-GIL	SSO-OL	NGS-GIL
	SSO-OL	SSO-OL	SSO-OL	SSO-OL			SSO-OL		
189	NGS-OMX	NGS-OMX SBT-SC SSO-OL SSP-OLE	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX SSO-OL	NGS-OMX
	SBT-SC		SBT-SC	SSO-OL	SSO-OL	SSO-OL	SSO-OL		
	SSO-OL		SSO-OL	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
	SSP-OLE		SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
190	SBT-SC	SBT-SC	SBT-SC	SBT-SC	SSP-OLE	SSP-OLE	SBT-SC	SSP-OLE	SBT-SC
	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE			SSP-OLE		
192	NGS-INH	NGS-INH	NGS-INH	NGS-INH	SSP-OLE	SSP-OLE	NGS-INH	SSP-OLE	NGS-INH
	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE			SSP-OLE		
193	SBT-SC	SBT-SC	SBT-SC	SBT-SC	SSO-LUM-OL	SSO-LUM-OL	SBT-SC	SSO-LUM-OL	SBT-SC
	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL			SSO-LUM-OL		
195	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL	NGS-OL
	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB	SSP-LB
197	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD	NGS-GD
199				SSP-OL	SSP-OL		SSP-OL		

Participants and Methods

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
205	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL
207	NGS-OMX SSO-OL SSP-INT-OLE	NGS-OMX SSO-OL SSP-INT-OLE	NGS-OMX SSO-OL SSP-INT-OLE	NGS-OMX SSO-OL SSP-INT-OLE	SSP-INT-OLE	NGS-OMX SSO-OL SSP-INT	NGS-OMX SSO-OL SSP-INT-OLE		NGS-OMX SSO-OL SSP-INT-OLE
209	SBT-GD SSO-OL SSP-BR-OLE	SBT-GD SSO-OL SSP-BR-OLE	SBT-GD SSO-OL SSP-BR-OLE	SBT-GD SSO-OL SSP-BR-OLE	SSP-BR-OLE	SSO-OL SSP-OLE	SSO-OL SSP-BR-OLE		SSO-OL SSP-OLE
213	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE	NGS-OMX SSP-OLE		NGS-OMX SSP-OLE
215	SSP-BT	SSP-BT	SSP-BT	SSP-BT	SSP-BT				
218	NGS-INH SBT-INH SSP-INH	NGS-INH SBT-INH SSP-INH	NGS-INH SBT-INH SSP-INH	NGS-INH SBT-INH SSP-INH			NGS-INH SBT-INH SSP-INH		
226	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
227	NGS-OL SSO-OL	NGS-OL SSO-OL	NGS-OL SSO-OL	NGS-OL SSO-OL	NGS-OL	SSO-OL	NGS-OL SSO-OL	SSO-OL	NGS-OL SBT-OL SSO-OL
228	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG	SSP-BAG		SSP-BAG		
234	NGS-GD SSO-OL SSP-INV-LB	NGS-GD SSP-LB	NGS-GD SSO-OL SSP-INV-LB	NGS-GD SSO-OL SSP-INV-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	NGS-GD SSO-OL SSP-INV-LB		NGS-GD SSO-OL SSP-INV-LB
239	SSP-LB	SSP-LB	SSP-LB	SSP-LB-OL	SSP-LB-OL	SSP-LB-OL	SSP-LB-OL	SSP-LB-OL	SSP-LB-OL
242	SSP-OL-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE		
244	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE	SSO-BAG SSP-OLE		SSO-BAG SSP-OLE	SSO-BAG SSP-OLE		
245	LINKAGE SSO-OL	LINKAGE SSO-OL	LINKAGE SSO-OL	LINKAGE SSO-OL	LINKAGE	LINKAGE SSO-OL	LINKAGE SSO-OL	LINKAGE SSO-OL	LINKAGE SSO-OL
249	SBT-BWU	SBT-BWU	SBT-BWU	SBT-BWU	SBT-BWU	SBT-BWU	SBT-BWU	SBT-BWU	SBT-BWU
255	SSO-OL	SSO-OL		SSO-OL					
258	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL	NGS-GD SSO-OL			NGS-GD SSO-OL		NGS-GD SSO-OL
260	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO	SSP-BR-PRO		SSP-BR-PRO		
262	SSP-BR-OLE-PRO	SSP-PRO	SSP-PRO	SSP-OL-OLE-PRO	SSP-PRO	SSP-OLE	SSP-OLE-PRO		
264	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH	NGS-INH
265	SSP-OL	SSP-OL	SSP-OL	SSP-OL	SSO-OL	SSO-OL	SSP-OL	SSO-OL	SSO-OL SSP-OL
266	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
267	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL		
268	SSO-OLE	SSO-OLE	SSO-OLE	SSO-OLE		SSO-OLE	SSO-OLE		
273	SSO-BAG SSP-BAG-OLE-PRO	SSO-BAG SSP-BAG-OLE-PRO	SSO-BAG SSP-BAG-OLE-PRO	SSO-BAG SSP-BAG-OLE-PRO	SSP-BAG-OLE-PRO	SSO-BAG SSP-OLE	SSO-BAG SSP-BAG-OLE-PRO		
274	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL		SSO-OL SSP-OL	SSO-OL SSP-OL		
278	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL	SSO-OL SSP-OL

Participants and Methods

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
279	NGS-OMX SSO-OL SSP-LB-OLE	NGS-OMX SSO-OL SSP-LB-OLE	NGS-OMX SSO-OL SSP-LB-OLE	NGS-OMX SSO-OL SSP-LB-OLE	SSP-LB	NGS-OMX SSO-OL SSP-LB-OLE	NGS-OMX SSO-OL SSP-LB	SSO-OL	NGS-OMX SSO-OL SSP-LB-OLE
280	SBT-SC SSP-INT	SBT-SC SSP-INT	SBT-SC SSP-INT	SBT-SC SSP-INT			SSP-INT		
281	SBT-LT-SC SSO-OL	SBT-LT-SC SSO-OL	SBT-LT-SC SSO-OL	SBT-LT-SC SSO-OL	SSO-OL	SSO-OL	SBT-LT-SC SSO-OL	SSO-OL SSP-OLE	SBT-LT-SC SSO-OL
282	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX	NGS-OMX
285	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		Other-Others SSO-LUM	Other-Others SSO-LUM		
286									
288	SSO-BAG	SSO-BAG	SSO-BAG	SSO-BAG SSP-OLE		SSO-BAG	SSO-BAG SSP-OLE		
290	SSO-LC	SSO-LC		SSO-LC					
292	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL		
294	NGS-OMX SBT-INH SSO-OL SSP-OLE	NGS-OMX SBT-INH SSO-OL SSP-OLE	NGS-OMX SBT-INH SSO-OL SSP-OLE	NGS-OMX SBT-INH SSO-OL SSP-OLE	SBT-INH SSP-OLE	NGS-OMX SSO-OL	NGS-OMX SSO-OL SSP-OLE		NGS-OMX SSP-OLE
304	SSO-GTI	SSO-GTI	SSO-GTI	SSO-GTI		SSO-GTI	SSO-GTI		
307	SSO-IMM SSP-OL	SSO-IMM SSP-OL	SSO-IMM SSP-OL	SSO-IMM SSP-OL	SSO-IMM SSP-OL	SSO-IMM-INN SSP-OL	SSO-IMM SSP-OL		
309	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
310	SSP-OL	SSP-OL		SSP-OL	SSP-OL		SSP-OL		
311	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-PRO	SSP-OLE	SSP-PRO		
316	SSO-OL	SSO-OL	SSO-OL	SBT-SC SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
317	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL	SSO-LUM-OL
318	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
319	SBT-TBG SSP-TBG	SBT-TBG SSP-TBG	SBT-TBG SSP-TBG	SBT-TBG SSP-TBG	SSP-TBG		SBT-TBG SSP-TBG		
323	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	SSO-LB SSP-LB	SSP-LB	NGS-OMX SSP-LB-OLE	SSP-LB	SSP-LB-OLE
402	SSO-IMM-OL	SSO-IMM-OL	SSO-IMM-OL	SBT-GD SSO-IMM-OL			SBT-GD SSO-IMM-OL		
403	NGS-GIL	NGS-GIL	NGS-GIL	NGS-GIL			NGS-GIL		NGS-GIL
452	SSO-OL	SSO-OL	SSO-OL	SSO-OL		SSO-OL	SSO-OL	SSO-OL	SSO-OL
519	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM	NGS-IL SSO-LUM
615	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM	NGS-IMM
702	NGS-GIL SSP-LB	NGS-GIL SSP-LB	NGS-GIL SSP-LB	NGS-GIL SSP-LB	SSP-LB-OLE	SSP-LB-OLE	NGS-GIL SSP-LB	SBT-INH SSP-LB-OLE	NGS-GIL SSP-LB
714	SBT-GIL SSO-LUM-OL	SBT-GIL SSO-LUM-OL	SBT-GIL SSO-LUM-OL	SBT-SC SSO-LUM-OL			SBT-SC SSO-LUM-OL		
726	NGS-GIL SSO-OL SSP-LB-OLE	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB	NGS-GIL SSO-OL SSP-LB
732	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL	NGS-IMM SSO-OL

Participants and Methods

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
769	SBT-GD SSO-OL	SBT-GD SSO-OL	SBT-GD SSO-OL SSP-OL	SBT-CG SSO-OL	SBT-CG SSO-OL		SBT-CG SSO-OL		SBT-CG SSO-OL SSP-OLE
805	NGS-GD SBT-GD-OL SSO-IMM-OL SSP-OL	NGS-GD SBT-GD-OL SSO-IMM-OL	NGS-GD SBT-GD-OL SSO-IMM-OL	NGS-GD SBT-GD-OL SSO-IMM	NGS-GD SSO-IMM	NGS-GD	NGS-GD SBT-OL SSO-IMM SSP-OL	NGS-GD	NGS-GD SBT-OL SSO-IMM
1113	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	SSP-LB-OLE	NGS-OMX SSO-LUM SSP-LB	NGS-OMX SSO-LUM SSP-LB-OLE	SSO-LUM SSP-LB	NGS-OMX SSO-LUM SSP-LB-OLE
1189	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL	SSO-OL
1212	NGS-OMX SSO-OL SSP-INN-OLE	NGS-OMX SSO-OL SSP-INN-OLE	NGS-OMX SSO-OL SSP-INN-OLE	NGS-OMX SSO-OL SSP-INN-OLE	SSP-INN-OLE	NGS-OMX SSO-OL SSP-INN	NGS-OMX SSO-OL SSP-INN-OLE	SSO-OL SSP-INN	NGS-OMX SSO-OL SSP-INN-OLE
1251	NGS-GIL rtPCR-OLE SBT-PRO SSO-LUM SSP-OLE	NGS-GIL rtPCR-OLE SBT-PRO SSO-LUM SSP-OLE	NGS-GIL rtPCR-OLE SBT-PRO SSO-LUM SSP-OLE	NGS-GIL rtPCR-OLE SBT-PRO SSO-LUM SSP-OLE	rtPCR-OLE SSP-OLE	rtPCR-OLE SSO-LUM	NGS-GIL rtPCR-OLE SBT-PRO SSO-LUM SSP-OLE	rtPCR-OLE SSO-LUM	rtPCR-OLE SSO-LUM SSP-OLE
1498	SBT-INH	SBT-INH	SBT-INH	SBT-CG	SSP-OL	SSP-OL	SBT-CG		SBT-CG
1647	SBT-OL SSP-LB	SBT-OL SSP-LB	SBT-OL SSP-LB	SBT-OL SSP-LB	SSP-LB	SSP-LB	SBT-OL SSP-LB	SSP-LB	SBT-OL SSP-LB
1686	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE
2015	SSO-OL SSP-GV	SSO-OL SSP-GV	SSO-OL SSP-GV	SSO-OL SSP-GV					
2063	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others	NGS-IL Other-Others
2347	SBT-SC SSO-OL	SBT-SC SSO-OL	SBT-SC SSO-OL	SBT-SC SSO-OL	SSO-OL	SSO-OL	SBT-SC SSO-OL	SSO-OL	SBT-SC SSO-OL
2518	SBT-OL SSO-OL SSP-OL	SBT-OL SSO-OL SSP-OL	SBT-OL SSP-OL	SBT-OL			SBT-OL SSO-OL		
2549	SBT-OLE SSO-OL SSP-OLE	SBT-OLE SSO-OL SSP-OLE	SBT-OLE SSO-OL SSP-OLE	SBT-OLE SSO-OL SSP-OLE	SSO-OL	SSO-OL SSP-OLE	SBT-OLE SSO-OL	SSO-OL	SSO-OL
2862									
3261	SBT-GD SSO-OL	SBT-GD	SBT-GD SSO-OL						
3264	NGS-OMX SSO-OL SSP-LB	NGS-OMX SSO-OL SSP-LB	NGS-OMX SSP-LB	NGS-OMX SSO-OL SSP-LB	NGS-OMX SSP-LB-OLE	NGS-OMX SSO-OL SSP-LB	NGS-OMX SSO-OL SSP-LB	SSP-LB	NGS-OMX SSP-LB
3325	SSP-OLE	SSP-OLE	SSP-OL-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE	SSP-OLE
3410	SBT-ACT SSO-OL SSP-GV-UNI	SBT-ACT SSO-OL SSP-GV-UNI	SBT-ACT SSO-OL SSP-GV-UNI	SBT-ACT SSO-OL SSP-GV-UNI		SSO-OL	SBT-ACT SSO-OL SSP-GV-UNI		
3438	SBT-TBG SSO-LUM	SBT-TBG SSO-LUM	SBT-TBG SSO-LUM	SBT-TBG SSO-LUM		SSO-LUM	SBT-TBG SSO-LUM		SBT-TBG SSO-LUM
3582	SBT-CG	SBT-CG	SBT-CG	SBT-CG	SBT-CG		SBT-CG		SBT-CG
3600	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE	SSP-INV-LB-OLE

Participants and Methods

CENTER	A	B	C	DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
3614	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL	NGS-OMX SSO-OL SSP-LB-OL
3625	SBT-INH SSO-IMM	SBT-INH SSO-IMM	SBT-INH SSO-IMM	SBT-INH SSO-IMM	SSO-IMM	SBT-INH SSO-IMM	SBT-INH SSO-IMM	SSO-IMM	SBT-INH SSO-IMM
3849	SBT-CG-INH SSO-INH	SBT-CG-INH SSO-INH	SBT-CG-INH SSO-INH	SBT-SC SSO-INH	SSP-INV	SSO-LUM SSP-INV	SBT-SC SSO-INH-LUM	SSO-LUM SSP-INV	SBT-INH SSO-LUM
4237	SBT-TBG SSO-OL SSP-OLE	SBT-TBG SSO-OL	SBT-TBG SSO-OL	SBT-TBG SSO-OL	SSP-OLE	SSO-OL SSP-OLE	SSO-OL SSP-OLE		
4281	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM SSP-OL	SSO-IMM	SSO-IMM	SSO-IMM	SSO-IMM
4420	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK	SSO-WAK
4545	SBT-SC SSO-OL SSP-OLE	SBT-SC SSO-OL	SBT-SC SSO-OL SSP-OLE	SBT-SC SSO-OL	SSO-OL SSP-OLE	SSO-OL SSP-OL-OLE	SBT-SC SSO-OL	SSO-OL SSP-OLE	SBT-SC SSO-OL
4551	NGS-OMX SBT-PRO SSO-OL SSP-LB-OLE	NGS-OMX SBT-PRO SSO-OL SSP-LB-OLE	NGS-OMX SBT-PRO SSO-OL SSP-LB-OLE	NGS-OMX SBT-PRO SSO-OL SSP-LB-OLE	SSP-LB-OLE	NGS-OMX SSO-OL SSP-LB	NGS-OMX SSO-OL SSP-LB-OLE	SSO-OL	NGS-OMX SSO-OL SSP-LB-OLE
4582	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL-OLE SSP-OL	NGS-IL SSO-OL SSP-OL
4585	SSO-LUM	SSO-LUM	SSO-LUM	SSO-LUM		SSO-LUM	SSO-LUM		
4613	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE	SBT-GD SSO-OL SSP-OLE				SSO-OL		SBT-GD SSP-OLE
4709	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	SSP-LB-OLE	NGS-OMX SSP-LB-OLE	NGS-OMX SSP-LB-OLE	SSP-LB-OLE	NGS-OMX SSP-LB-OLE
5451		SBT-INH SSO-LUM	SBT-INH SSO-LUM						
6051	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL	NGS-IL SSO-OL
6313	SBT-INV-PRO SSO-IMM	SBT-INV-PRO SSO-IMM	SBT-INV-PRO SSO-IMM	SBT-INV-PRO SSO-IMM		SSO-IMM	SBT-INV-PRO SSO-IMM		
9221	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB	SSO-OL SSP-LB
9222	SBT-SC SSO-LUM	SBT-SC SSO-LUM	SBT-SC SSO-LUM	SBT-SC SSO-LUM		SSO-LUM	SBT-SC SSO-LUM		SBT-SC
45452									

Participants using NGS