

CELL EXCHANGE #426 FEBRUARY 2, 2022

Cells 1701 - 1704

The results for Cell Exchange #426 are summarized in Table 7 - 10. Molecular typing results for individual laboratories are listed in Tables 11 – 18 for each sample.

We would like to thank the labs performing NGS for sharing their findings. Haplotype frequencies used in this report are from the NMDP Bioinformatics website, <https://bioinformatics.bethematchclinical.org/>.

Cell 1701. The reported HLA type for this cell from an Asian donor was A*02:03-B*15:12-B*54:01-C*01:02-C*04:03-DRB1*04:05-DRB1*15:02-DRB4*01:03-DRB5*01:03-DQA1*01:01-DQA1*03:03-DQB1*04:01-DQB1*05:02-DPA1*01:03-DPA1*02:02-DPB1*02:01-DPB1*05:01.

This cell was the sibling of cell 1702, also examined in this Exchange. The siblings share the A*02:03-B*15:12-C*04:03-DRB1*15:02-DRB5*01:03-DQA1*01:01-DQB1*05:02-DPB1*02:01 haplotype present. A parent of the siblings was also examined in the Exchange as cell 971 (1998). This cell inherited its A*02:03-B*54:01-C*01:02-DRB1*04:05-DRB4*01:03-DQA1*03:03-DQB1*04:01-DPB1*05:01 haplotype with the parent.

This cell was previously examined as cells 1591 (2017), 1487 (2013), 1453 (2012), and 1417 (2011). In this present retyping, $\geq 90\%$ agreement was achieved for allele assignments.

Cell 1702. The reported HLA type for this cell from an Asian donor was A*02:03-A*31:01-B*15:12-B*40:02-C*03:04-C*04:03-DRB1*15:01-DRB1*15:02-DRB5*01:01-DRB5*01:03-DQA1*01:01-DQA1*01:02-DQB1*05:02-DQB1*06:02-DPA1*01:03-DPA1*02:02-DPB1*02:01 This cell is the sibling of cell 1701 and offspring of cell 971.

From family studies and exchange data, the haplotypes present in this cell were the A*02:03-B*15:12-C*04:03-DRB1*15:02-DRB5*01:03-DQA1*01:01-DQB1*05:02-DPB1*02:01 and A*31:01-B*40:02-C*03:04-DRB1*15:01-DRB5*01:01-DQA1*01:02-DQB1*06:02-DPB1*02:01. The latter haplotype was inherited from the parent, cell 971.

This cell was previously examined as cells 1486 (2013), 1454 (2012), and 1413 (2010). In the present retyping, $\geq 90\%$ agreement was achieved for allele assignments.

Cell 1703. The reported HLA type for this cell from a Black donor was A*03:01-A*23:01-B*49:01-B*53:01-C*04:01-C*07:01-DRB1*11:01-DRB1*16:02-DRB3*02:02-DRB5*02:02-DQA1*01:02-DQB1*05:02-DQB1*06:02-DPA1*01:03-DPA1*03:01-DPB1*04:01-DPB1*105:01.

Likely associations present in this cell were B*53:01-C*04:01-DRB1*16:02-DQB1*05:02 and B*49:01-C*07:01-DRB1*11:01-DQB1*06:02, observed in African American populations, with respective HF = 0.00251 and 0.00218.

Greater than 80% agreement was achieved for allele assignments. This sample was not graded as < 10 labs reported results.

Cell 1704. The reported HLA type for this cell from a Caucasian donor was A*02:01-A*74:03-B*15:01-B*37:01-C*06:02-C*12:03-DRB1*07:01-DRB1*10:01-DRB4*01:03N-DQA1*01:05-DQA1*02:01-DQB1*03:03-DQB1*05:01-DPA1*02:01-DPB1*01:01-DPB1*10:01.

One likely class I association present in this cell was B*37:01-C*06:02-DRB1*10:01-DQB1*05:01, observed in Caucasians, with HF = 0.00404. The other likely association present is B*15:01-C*12:03-DRB1*07:01-DQB1*03:03. The association of B*15:01-C*12:03 in this cell is observed in Caucasians, with HF = 0.00007.

Greater than 80% agreement was achieved for allele assignments. This sample was not graded as < 10 labs reported results.

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Table 8: Summary of the 426th Cell Exchange - DNA Typing

Cell 1702

DNA Typing - class I	<u>10 labs High;9 labs low- A</u>		<u>10 labs High; 9 labs low- B</u>		<u>10 labs High; 8 labs low- C</u>	
		%(n)		%(n)		%(n)
	A*02:03:01	10(1)	B*15:12	100(10)	C*03:04:01	20(2)
	A*02:03	90(9)	B*15(B76)	44(4)	C*03:04	80(8)
	A*02	100(9)	B*15	56(5)	C*03(Cw10)	38(3)
					C*03	62(5)
<u>9 labs High;9 labs low- A</u>		<u>10 labs High; 9 labs low- B</u>		<u>10 labs High; 8 labs low- C</u>		
	%(n)		%(n)		%(n)	
A*31:01:02	11(1)	B *40:02:01	10(1)	C*04:03:01	20(2)	
A*31:01	89(8)	B*40:02	90(9)	C*04:03	80(8)	
A*31	100(9)	B*40(B61)	44(4)	C*04	100(8)	
		B*40	56(5)			

DNA Typing - class II	<u>9 labs High; 5 labs low-DRB1</u>		<u>5 labs High; 1 labs low-DRB3/4/5</u>		<u>6 labs High; 3 labs Low-DQA1</u>		<u>9 labs High; 5 labs Low-DQB1</u>		<u>5 labs High; 1 labs Low-DPA1</u>		<u>8 labs High; 3 labs Low-DPB1</u>	
		%(n)		%(n)		%(n)		%(n)		%(n)		%(n)
	DRB1*15:01:01	11(1)	DRB5*01:01:01	20(1)	DQA1*01:01:01	17(1)	DQB1*05:02:01G	11(1)	DPA1*01:03:01	20(1)	DPB1*02:01:02	12(1)
	DRB1*15:01:01G	22(2)	DRB5*01:01:01G	20(1)	DQA1*01:01	83(5)	DQB1*05:02	89(8)	DPA1*01:03:01G	20(1)	DPB1*02:01:02G	12(1)
	DRB1*15:01	67(6)	DRB5*01:01	60(3)	DQA1*01	100(3)	DQB1*05	100(5)	DPA1*01:03	60(3)	DPB1*02:01	75(6)
	DRB1*15	100(5)	DRB5*PRESENT	100(1)					DPA1*01	100(1)	DPB1*02(DP201)	33(1)
											DPB1*02	67(2)
<u>9 labs High-DRB1</u>		<u>5 labs High-DRB3/4/5</u>		<u>7 labs High-DQA1</u>		<u>9 labs High; 5 labs Low-DQB1</u>		<u>5 labs High; 1 labs Low-DPA1</u>				
	%(n)		%(n)		%(n)		%(n)		%(n)			
DRB1*15:02:01G	11(1)	DRB5*01:03	100(5)	DQA1*01:02:01	14(1)	DQB1*06:02:01	11(1)	DPA1*02:02:02	20(1)			
DRB1*15:02	89(8)			DQA1*01:02	86(6)	DQB1*06:02:01G	22(2)	DPA1*02:02	80(4)			
						DQB1*06:02	67(6)	DPA1*02	100(1)			
						DQB1*06	100(5)					

Table 9: Summary of the 426th Cell Exchange - DNA Typing

Cell 1703

DNA Typing - class I	<u>7 labs High; 7 labs low- A</u>		<u>8 labs High; 7 labs low- B</u>		<u>8 labs High; 6 labs low- C</u>	
		%(n)		%(n)		%(n)
	A*03:01	100(7)	B*49:01	100(8)	C*04:01:01G	13(1)
	A*03	86(6)	B*49	86(6)	C*04:01	87(7)
	A*02	14(1)	B*15(B76)	14(1)	C*04	100(6)
<u>7 labs High; 6 labs low- A</u>		<u>8 labs High; 7 labs low- B</u>		<u>8 labs High; 6 labs low- C</u>		
	%(n)		%(n)		%(n)	
A*23:01	100(7)	B*53:01	100(8)	C*07:01:01G	13(1)	
A*23	100(6)	B*53	86(6)	C*07:01	87(7)	
		B*54	14(1)	C*07	83(5)	
				C*01	17(1)	

DNA Typing - class II	<u>5 labs High; 3 labs low-DRB1</u>		<u>3 labs High-DRB3/4/5</u>		<u>5 labs High; 3 labs Low-DQA1</u>		<u>6 labs High; 3 labs Low-DQB1</u>		<u>3 labs High; 1 labs Low-DPA1</u>		<u>6 labs High; 3 labs Low-DPB1</u>	
		%(n)		%(n)		%(n)		%(n)		%(n)		%(n)
	DRB1*11:01	100(5)	DRB3*02:02:01G	33(1)	DQA1*01:02	100(5)	DQB1*05:02:01G	17(1)	DPA1*01:03:01G	33(1)	DPB1*04:01:01	17(1)
	DRB1*11	100(3)	DRB3*02:02	67(2)	DQA1*01	100(3)	DQB1*05:02	83(5)	DPA1*01:03	67(2)	DPB1*04:01	83(5)
							DQB1*05	100(3)	DPA1*01	100(1)	DPB1*04(DP401)	33(1)
											DPB1*04	67(2)
<u>5 labs High; 3 labs low-DRB1</u>		<u>3 labs High-DRB3/4/5</u>		<u>5 labs High; 3 labs Low-DQA1</u>		<u>5 labs High; 3 labs Low-DQB1</u>		<u>3 labs High; 1 labs Low-DPA1</u>		<u>6 labs High; 3 labs Low-DPB1</u>		
	%(n)		%(n)		%(n)		%(n)		%(n)		%(n)	
DRB1*16:02:01G	20(1)	DRB5*02:02:01G	33(1)			DQB1*06:02	100(5)	DPA1*03:01	100(3)	DPB1*04:02:01G	17(1)	
DRB1*16:02	80(4)	DRB5*02:02	67(2)			DQB1*06	100(3)	DPA1*03	100(1)	DPB1*105:01:01	17(1)	
DRB1*16	100(3)									DPB1*105:01	67(4)	
										DPB1*105	67(2)	
										DPB1*04	33(1)	

Table 10: Summary of the 426th Cell Exchange - DNA Typing

Cell 1704

DNA Typing - class I	<u>7 labs High; 7 labs low- A</u>		<u>7 labs High; 7 labs low- B</u>		<u>7 labs High; 6 labs low- C</u>	
		%(n)		%(n)		%(n)
	A*02:01	100(7)	B*15:01	100(7)	C*06:02	100(7)
	A*02	100(7)	B*15(B62)	43(3)	C*06	100(6)
			B*15	57(4)		
<u>8 labs High; 7 labs low- A</u>		<u>8 labs High; 7 labs low- B</u>		<u>7 labs High; 6 labs low- C</u>		
	%(n)		%(n)		%(n)	
A*74:03	88(7)	B*37:01	88(7)	C*12:03	100(7)	
A*37:01	12(1)	B*12:03	12(1)	C*12	100(6)	
A*74	100(7)	B*37	100(7)			

DNA Typing - class II	<u>5 labs High; 3 labs low-DRB1</u>		<u>3 labs High-DRB3/4/5</u>		<u>4 labs High; 3 labs Low-DQA1</u>		<u>6 labs High; 3 labs Low-DQB1</u>		<u>3 labs High; 1 labs Low-DPA1</u>		<u>6 labs High; 3 labs Low-DPB1</u>	
		%(n)		%(n)		%(n)		%(n)		%(n)		%(n)
	DRB1 07:01:01G	20(1)	DRB4*01:03:01:02N	33(1)	DQA1*01:05	100(4)	DQB1*03:03	100(6)	DPA1*02:01:01G	33(1)	DPB1*01:01	100(6)
	DRB1*07:01	80(4)	DRB4*01:03N	67(2)	DQA1*01	100(3)	DQB1*03(DQ9)	33(1)	DPA1*02:01	67(2)	DPB1*01	100(3)
	DRB1*07	100(3)					DQB1*03	67(2)	DPA1*02	100(1)		
<u>6 labs High; 3 labs low-DRB1</u>				<u>5 labs High; 3 labs Low-DQA1</u>		<u>6 labs High; 3 labs Low-DQB1</u>				<u>6 labs High; 3 labs Low-DPB1</u>		
	%(n)		%(n)		%(n)		%(n)		%(n)		%(n)	
DRB1*10:01:01G	17(1)			DQA1*02:01	100(5)	DQB1*05:01:01G	17(1)			DPB1*10:01	100(6)	
DRB1*10:01	83(5)			DQA1*02	100(3)	DQB1*05:01	83(5)			DPB1*10	100(3)	
DRB1*10	100(3)					DQB1*05	100(3)					

Table 11. Individual laboratory results for Cell #1701 - Class I

Center	Low Resolution						High Resolution						Method	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
278	*02	*02	*15	*54	*01	*04	*02:03	*02:03	*15:12	*54:01	*01:02	*04:03		
725	*03	*23	*49	*53	*07	*04							SSO	
731	*02	*02	*15	*54	*01	*04	*02:03:01	*02:03:01	*15:12:01G	*54:01:01	*01:02:01	*04:03:01	SSO NGS	
747	*02	*02	*15	*54	*01	*04	*02:03:01	*02:03:01	*15:12	*54:01:01	*01:02:01	*04:03:01	SSP SSO NGS	
762							*02:03		*15:12	*54:01	*01:02	*04:03	NGS	
771	*02		*15	*54	*01	*04	*02:03		*15:12	*54:01	*01:02	*04:03	SSP SSO SBT	
3808	*02	*02	*15(B76)	*54	*01	*04	*02:03	*02:03	*15:12	*54:01	*01:02	*04:03	NGS	
4079	*02		*15(B76)	*54	*01	*04	*02:03		*15:12	*54:01	*01:02	*04:03	SSO	
4251							*02:03	*02:03	*15:12	*54:01	*01:02	*04:03	SSP NGS	
5462							*02:03		*15:12	*54:01	*01:02	*04:03	NGS	
5642	*02		*15	*54	*01	*04							NGS	
6649	*02		*15(B76)	*54									SSP	
8001							*02:03		*15:12	*54:01	*01:02	*04:03	SSO	
													NGS	

Table 12a: Individual laboratory results for Cell #1701 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*04	*15			*01	*03	*04	*05			*02	*05	SSO NGS	
747	NT												SSP SSO NGS	
771	*04	*15			*01	*03	*04	*05			*02	*05	SSP SSO SBT NGS	
3808	*04	*15	NT	NT	*01	*03	*04	*05	*01	*02	*02(DP201)	*05	SSO	
4079	*04	*15					*04	*05					SSP NGS	
5642	*04	*15	4*PRESENT	5*PRESENT			*04	*05					SSP	

Table 12b: Individual laboratory results for Cell #1701 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*04:05:01	*15:02			*01:01	*03:03	*04:01	*05:02			*02:01	*05:01	SSO NGS	
747	*04:05:01	*15:02:01	4*01:03:01	5*01:03	*01:01:01	*03:03:01	*04:01:01	*05:02	*01:03:01	*02:02:02	*02:01:02	*05:01:01	SSP SSO NGS	DRB1*15:140 DRB1*15:149 DQB1*05:241 DPB1*414:01 DPB1*744:01
771	*04:05	*15:02					*04:01	*05:02			*02:01	*05:01	SSP SSO SBT NGS	
3808	*04:05	*15:02:01G					*04:01	*05:02	*01:03	*02:02	*02:01	*05:01	SSO	
4079	*04:05	*15:02	4*01:03	5*01:03	*01:01	*03:03	*04:01	*05:02	*01:03	*02:02	*02:01	*05:01	SSP NGS	
4251	*04:05	*15:02:01G	4*01:01:01G	5*01:03	*01:01	*03:03	*04:01	*05:02:01G	*01:03:01G	*02:02	*02:01	*05:01	NGS	
5462	*04:05	*15:02	4*01:03	5*01:03	*01:01	*03:03	*04:01	*05:02	*01:03	*02:02	*02:01P	*05:01P	NGS	DPB1*414:01 DPB1*744:01
5642	*04:05	*15:02					*04:01	*05:02					SSP	
8001	*04:05	*15:02	4*01:03	5*01:03	*01:01	*03:03	*04:01	*05:02			*02:01	*05:01	NGS	

Table 13. Individual laboratory results for Cell #1702 - Class I

Center	Low Resolution						High Resolution						Method	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
278	*02	*31	*15	*40	*03	*04	*02:03	*31:01	*15:12	*40:02	*03:04	*04:03		
725	*02	*31	*15(B76)	*40(B61)	*03(Cw10)	*04							SSO	
731	*02	*31	*15	*40	*03	*04	*02:03	*31:01	*15:12	*40:02	*03:04:01	*04:03:01	SSO NGS	
747	*02	*31	*15	*40	*03	*04	*02:03:01	*31:01:02	*15:12	*40:02:01	*03:04:01	*04:03:01	SSP SSO NGS	
762							*02:03	*31:01	*15:12	*40:02	*03:04	*04:03	NGS	
													SSP SSO SBT	
771	*02	*31	*15	*40	*03	*04	*02:03	*31:01	*15:12	*40:02	*03:04	*04:03	NGS	
3808	*02	*31	*15(B76)	*40(B61)	*03(Cw10)	*04	*02:03		*15:12	*40:02	*03:04	*04:03	SSO	
4079	*02	*31	*15(B76)	*40(B61)	*03(Cw10)	*04	*02:03	*31:01	*15:12	*40:02	*03:04	*04:03	SSP NGS	
4251							*02:03	*31:01	*15:12	*40:02	*03:04	*04:03	NGS	
5462							*02:03	*31:01	*15:12	*40:02	*03:04	*04:03	NGS	
5642	*02	*31	*15	*40	*03	*04							SSP	
6649	*02	*31	*15(B76)	*40(B61)									SSO	
8001							*02:03	*31:01	*15:12	*40:02	*03:04	*04:03	NGS	

Table 14a: Individual laboratory results for Cell #1702 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*15	*15			*01	*01	*05	*06			*02	*02	SSO NGS	
747	NT												SSP SSO NGS	
771	*15	*15			*01	*01	*05	*06			*02		SSP SSO SBT NGS	
3808	*15	*15	NT	NT	*01	*01	*05	*06	*01	*02	*02(DP201)	*02(DP201)	SSO	
4079	*15	*15					*05	*06					SSP NGS	
5642	*15		5*PRESENT				*05	*06					SSP	

Table 14b: Individual laboratory results for Cell #1702 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*15:01	*15:02			*01:01	*01:02	*05:02	*06:02			*02:01	*02:01	SSO NGS	
747	*15:01:01	*15:02	5*01:01:01	5*01:03	*01:01:01	*01:02:01	*05:02	*06:02:01	*01:03:01	*02:02:02	*02:01:02	*02:01:02	SSP SSO NGS	DQB1*05:241 DRB1*15:149 DRB1*15:140
771	*15:01	*15:02					*05:02	*06:02			*02:01		SSP SSO SBT NGS	
3808	*15:01:01G	*15:02				*01:02	*05:02	*06:02:01G	*01:03	*02:02	*02:01:02G	*02:01:02G	SSO	
4079	*15:01	*15:02	5*01:01	5*01:03	*01:01	*01:02	*05:02	*06:02	*01:03	*02:02	*02:01		SSP NGS	
4251	*15:01:01G	*15:02:01G	5*01:01:01G	5*01:03	*01:01	*01:02	*05:02:01G	*06:02:01G	*01:03:01G	*02:02	*02:01	*02:01	NGS	
5462	*15:01	*15:02	5*01:01	5*01:03	*01:01	*01:02	*05:02	*06:02	*01:03	*02:02	*02:01		NGS	
5642	*15:01	*15:02					*05:02	*06:02					SSP	
8001	*15:01	*15:02	5*01:01	5*01:03	*01:01	*01:02	*05:02	*06:02			*02:01		NGS	

Table 15. Individual laboratory results for Cell #1703 - Class I

Center	Low Resolution						High Resolution						Method	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
278	*03	*23	*49	*53	*04	*07	*03:01	*23:01	*49:01	*53:01	*04:01	*07:01		
725	*02		*15(B76)	*54	*04	*01							SSO	
731	*03	*23	*49	*53	*04	*07	*03:01	*23:01	*49:01	*53:01	*04:01	*07:01	SSO NGS	
747	NT												SSP SSO NGS	
762							*03:01	*23:01	*49:01	*53:01	*04:01	*07:01	NGS	
													SSP SSO SBT	
771	*03	*23	*49	*53	*04	*07	*03:01	*23:01	*49:01	*53:01	*04:01	*07:01	NGS	
3808	*03	*23	*49	*53	*04	*07			*49:01	*53:01	*04:01:01G	*07:01:01G	SSO	
4079	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP NGS	
4251							*03:01	*23:01	*49:01	*53:01	*04:01	*07:01	NGS	
5462							*03:01	*23:01	*49:01	*53:01	*04:01	*07:01	NGS	
5642	*03	*23	*49	*53	*04	*07							SSP	
6649	*03	*23	*49	*53									SSO	
8001							*03:01	*23:01	*49:01	*53:01	*04:01	*07:01	NGS	

Table 16a: Individual laboratory results for Cell #1703 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*11	*16			*01	*01	*05	*06			*04	*04	SSO NGS	
747	NT												SSP SSO NGS	
771	*11	*16			*01		*05	*06			*04	*105	SSP SSO SBT NGS	
3808	*11	*16	NT	NT	*01	*01	*05	*06	*01	*03	*04(DP401)	*105	SSO	
4079	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP NGS	
5642	NT												SSP	

Table 16b: Individual laboratory results for Cell #1703 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*11:01	*16:02			*01:02	*01:02	*05:02	*06:02			*04:01	*105:01	SSO NGS	
747	NT												SSP SSO NGS	
771	*11:01	*16:02					*05:02	*06:02			*04:01	*105:01	SSP SSO SBT NGS	
3808					*01:02	*01:02	*05:02		*01:03	*03:01	*04:01:01	*105:01:01	SSO	
4079	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP NGS	
4251	*11:01	*16:02:01G	3*02:02:01G	5*02:02:01G	*01:02	*01:02	*05:02:01G	*06:02	01:03:01G	*03:01	*04:01	*04:02:01G	NGS	
5462	*11:01	*16:02	3*02:02	5*02:02	*01:02	*01:02	*05:02	*06:02	*01:03	*03:01	*04:01	*105:01	NGS	
5642	NT												SSP	
8001	*11:01	*16:02	3*02:02	5*02:02	*01:02		*05:02	*06:02			*04:01	*105:01	NGS	

Table 17. Individual laboratory results for Cell #1704 - Class I

Center	Low Resolution						High Resolution						Method	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
278	*02	*74	*15	*37	*06	*12	*02:01	*74:03	*15:01	*37:01	*06:02	*12:03		
725	*02	*74	*15(B62)	*37	*06	*12							SSO	
731	*02	*74	*15	*37	*06	*12	*02:01	*74:03	*15:01	*37:01	*06:02	*12:03	SSO NGS	
747	NT												SSP SSO NGS	
762							*02:01	*74:03	*15:01	*37:01	*06:02	*12:03	NGS	
771	*02	*74	*15	*37	*06	*12	*02:01	*74:03	*15:01	*37:01	*06:02	*12:03	SSP SSO SBT	
3808	*02	*74	*15(B62)	*37	*06	*12		*37:01		*12:03			NGS	
4079	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSO	
4251							*02:01	*74:03	*15:01	*37:01	*06:02	*12:03	SSP NGS	
5462							*02:01	*74:03	*15:01	*37:01	*06:02	*12:03	NGS	
5642	*02	*74	*15	*37	*06	*12							SSP	
6649	*02	*74	*15(B62)	*37									SSO	
8001							*02:01	*74:03	*15:01	*37:01	*06:02	*12:03	NGS	

Table 18a: Individual laboratory results for Cell #1704 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*07	*10			*01	*02	*03	*05			*01	*10	SSO NGS	
747	NT												SSP SSO NGS	
771	*07	*10			*01	*02	*03	*05			*01	*10	SSP SSO SBT NGS	
3808	*07	*10	NT	NT	*01	*02	*03(DQ9)	*05	*02	*02	*01	*10	SSO	
4079	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP NGS	
5642	NT												SSP	

Table 18b: Individual laboratory results for Cell #1704 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
731	*07:01	*10:01			*01:05	*02:01	*03:03	*05:01			*01:01	*10:01	SSO NGS	
747	NT												SSP SSO NGS	
771	*07:01	*10:01					*03:03	*05:01			*01:01	*10:01	SSP SSO SBT NGS	
3808		*10:01				*02:01	*03:03	*05:01	*02:01	*02:01	*01:01	*10:01	SSO	
4079	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	SSP NGS	
4251	07:01:01G	*10:01:01G	4*01:03N		*01:05	*02:01	*03:03	*05:01:01G	*02:01:01G	*02:01:01G	*01:01	*10:01	NGS	
5462	*07:01	*10:01	4*01:03N	NP	*01:05	*02:01	*03:03	*05:01	*02:01		*01:01	*10:01	NGS	
5642	NT												SSP	
8001	*07:01	*10:01	4*01:03:01:02N		*01:05	*02:01	*03:03	*05:01			*01:01	*10:01	NGS	