

B-CELL LINE EXCHANGE #308

DECEMBER 4, 2023

B-cell Line 615- 616

The results for B-cell Line Exchange #308 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 6. We would like to acknowledge the generosity of **Leiden University Medical Centre, Leiden**, for sharing the reference DRB1*14:21 cell examined in this study.

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

Ter-615. The following is the reported HLA type for this cell from a Caucasian donor.

HLA-A	HLA-B	HLA-C
*29:02 *31:14N	*35:03 *44:03	*04:01 *16:01

DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
*07:01	4*01:01	*02:01	*02:02	*01:03	*03:01 *04:01

This cell is DSA31N, the reference cell for A*31:14N (1). It was previously examined in the class I DNA Extract Exchange as extracts 565 (2012) and 385 (2007). Combining data from families studies and the Exchange, the haplotypes in this cell are determined to be A*31:14N-B*35:03-C*04:01-DRB1*07:01-DRB4*01:01-DQB1*02:02 and A*29:02-B*44:03-C*16:01-DRB1*07:01-DRB4*01:01-DQB1*02:02. The A*29:02-B*44:03-C*16:01-DRB1*07:01 haplotype present in this cell is commonly observed in Caucasian populations, with HF = 0.01832.

In this retyping, A*31:14N was reported by 96% of labs reporting at high resolution. A*29:02 was reported by 100% as the second A-locus type, with 8 labs (35%) assigning A*29:02:01. Greater than 80% agreement was achieved for all other allele assignments.

References:

1. Smith DM, Gardner WB, Baker JE, Cox ST, Kresie LA. A new HLA-A*31 null allele, A*3114N. Tissue Antigens. 2006 Dec;68(6):526-7.

Ter-616. The following is the reported HLA type for this cell from a Caucasian donor.

HLA-A	HLA-B	HLA-C
*02:01 *03:01	*44:02 *57:01	*05:01 *06:02

DRB1	DRB3/4/5	DQA1	DQB1	DPA1	DPB1
*07:01 *14:21	3*01:01 4*01:03:01:02N	*01:03 *02:01	*03:03 *06:03	*01:03	*04:01

This cell is TGI, the reference cell for DRB1*14:21 (2). It was examined numerous times in the Exchange as Ter 448 (2011), Ter 344 (2004), Ter 282 (2001), Ter 218 (1998), and extract 53 (1998). From family studies and data from the Exchange, the haplotypes in this cell are A*02:01-B*57:01-C*06:02-DRB1*14:21-DRB3*01:01-DQA1*01:03-DQB1*06:03 and A*03:01-B*44:02-C*05:01-DRB1*07:01-DRB4*01:03:01:02N-DQA1*02:01-DQB1*03:03.

In this present study, DRB1*14:21 was assigned in complete consensus by labs reporting at high resolution. DRB1*07:01 was assigned as the second DRB1 type. DQB1*03:03 and DQB1*06:03 were reported as the DQB1 types. A number of labs (n = 12) reporting at low resolution assigned the subtype for DQB1*03 as DQB1*03(DQ9). For all other allele assignments, > 80% agreement was achieved.

2. Verduyn W, Anholts JD, Versluis LF, Parlevliet J, Drabbels J, De Meester J, Tilanus MG, Doxiadis II, Giphart MJ, Schreuder GM. Six newly identified HLA-DRB alleles: DRB1*1121, *1419, *1420, *1421, DRB3*0203 and DRB5*0103. Tissue Antigens. 1996 Aug;48(2):80-6.

NEXT MAILING DATE: February 7, 2024

Happy Holidays!

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Table 1: Summary of the 308th B-cell Line Exchange

Ter-615												
DNA Typing - class II	<u>25 labs High; 21 labs low-DRB1</u>	%(n)	<u>18 labs High; 17 labs Low-DRB3/4/5</u>	%(n)	<u>19 labs High; 18 labs Low-DQA1</u>	%(n)	<u>25 labs High; 21 labs Low-DQB1</u>	%(n)	<u>14 labs High; 11 labs Low-DPA1</u>	%(n)	<u>24 labs High; 12 labs Low-DPB1</u>	%(n)
	DRB1*07:01:01	24(6)	DRB4*01:01:01	22(4)	DQA1*02:01:01	26(5)	DQB1*02:02:01	28(7)	DPA1*01:03:01	36(5)	DPB1*03:01:01	29(7)
	DRB1*07:01:01G	12(3)	DRB4*01:01:01G	11(2)	DQA1*02:01	74(14)	DQB1*02:01:01G	12(3)	DPA1*01:03:01G	7 (1)	DPB1*03:01:01G	25(6)
	DRB1*07:01P	12(3)	DRB4*01:01P	6 (1)	DQA1*02	100(18)	DQB1*02:01P	4 (1)	DPA1*01:03	57(8)	DPB1*03:01P	4 (1)
	DRB1*07:01	52(13)	DRB4*01:01	61(11)			DQB1*02:02	56(14)	DPA1*01	100(11)	DPB1*03:01	42(10)
	DRB1*07	100(21)	DRB4*01	88(15)			DQB1*02	100(21)			DPB1*03	
			DRB4*PRESENT	12(2)								
	DNA Typing - class I	<u>23 labs High; 23 labs low- A</u>	%(n)	<u>23 labs High; 23 labs low- B</u>	%(n)	<u>23 labs High; 22 labs low- C</u>	%(n)					<u>24 labs High; 12 labs Low-DPB1</u>
A*29:02:01:01		9 (2)	B*35:03:01:03	4 (1)	C*04:01:01:14	4 (1)					DPB1*04:01:01	25(6)
A*29:02:01		26(6)	B*35:03:01	30(7)	C*04:01:01	30(7)					DPB1*04:01:01G	29(7)
A*29:02P		9 (2)	B*35:03P	9 (2)	C*04:01P	9 (2)					DPB1*04:01P	4 (1)
A*29:02		56(13)	B*35:03	57(13)	C*04:01	57(13)					DPB1*04:01	42(10)
A*29		100(23)	B*35	100(23)	C*04	100(22)					DPB1*04(DP401)	67(8)
											DPB1*04	33(4)

Table 2: Summary of the 308th B-cell Line Exchange

Ter-616

[illegible]

DNA Typing - class I	<u>23 labs High; 23 labs low- A</u>		%(n)	<u>23 labs High; 23 labs low- B</u>		%(n)	<u>23 labs High; 22 labs low- C</u>		%(n)
	A*02:01:01:01		4 (1)	B*44:02:01:01		4 (1)	C*05:01:01:02		4 (1)
	A*02:01:01		30(7)	B*44:02:01		30(7)	C*05:01:01		26(6)
	A*02:01:01G		4 (1)	B*44:02P		9 (2)	C*05:01:01G		9 (2)
	A*02:01P		4 (1)	B*44:02		57(13)	C*05:01P		4 (1)
	A*02:01		57(13)	B*44		100(23)	C*05:01		57(13)
	A*02		100(23)				C*05		100(22)
	<u>23 labs High; 23 labs low- A</u>		%(n)	<u>23 labs High; 23 labs low- B</u>		%(n)	<u>23 labs High; 22 labs low- C</u>		%(n)
	A*03:01:01:01		4 (1)	B*57:01:01:01		9 (2)	C*06:02:01:01		4 (1)
	A*03:01:01		30(7)	B*57:01:01		26(6)	C*06:02:01		26(6)
	A*03:01:01G		4 (1)	B*57:01P		9 (2)	C*06:02:01G		4 (1)
	A*03:01P		4 (1)	B*57:01		56(13)	C*06:02P		9 (2)
	A*03:01		57(13)	B*57		100(23)	C*06:02		57(13)
	A*03		100(23)				C*06		100(22)

Table 3a: Individual laboratory results for B-cell #615 - Class II

Low resolution																
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles		
725	*07		4*01		*02		*02						SSO			
747	*07	*07	4*01	4*01	*02	*02	*02	*02	*01	*01	*03	*04	SSP SSO NGS			
771	*07	*07			*02	*02	*02	*02					SSO NGS			
792	*07	*07	4*01	4*01	*02	*02	*02	*02	*01	*01	*03	*04	SSO SBT NGS			
793			4*PRESENT				*02		*01		*03	*04(DP401)				
794	*07		4*01		*02		*02		*01		*03	*04	SSP SSO NGS			
2400	*07		4*01		*02		*02		NT	NT	*03	*04(DP401)	RT-PCR			
2847	*07												SSP SSO NGS			
													SSO			
3519	*07		4*01		*02		*02		*01		*03	*04(DP401)	SSP NGS			
3753	*07		4*01		*02		*02		*01		*03	*04(DP401)	RT-PCR			
3966													SSO			
4079	*07		4*01		*02		*02		*01		*03	*04(DP401)	SSO RT-PCR			
5130	*07	*07	4*01		*02	*02	*02	*02			*03	*04	SSO RT-PCR			
5214	*07		4*01		*02		*02		*01		*03	*04(DP401)	SSO NGS			
5219	*07	*07			*02	*02	*02	*02					RT-PCR			
5462	*07		4*01				*02		*01				SSO NGS			
5488			4*01										SSO			
5642	*07		4*PRESENT		*02		*02						SSP SSO			
6649	*07	*07					*02	*02					SSO			
8029	*07	*07			*02	*02	*02	*02					SSO NGS			
8038	*07	*07	4*01	4*01	*02	*02	*02	*02	*01	*01	*03	*04(DP401)	SSO SBT			
8043	*07		4*01		*02		*02						SSP SSO NGS			
8068	*07	*07			*02	*02	*02	*02					SSO			
8123	*07	*07	4*01	4*01	*02	*02	*02	*02	*01	*01	*03	*04(DP401)	RT-PCR			

Table 3b: Individual laboratory results for B-cell #615 - Class II

	High resolution													
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*07:01	*07:01	4*01:01	4*01:01	*02:01	*02:01	*02:02	*02:02	*01:03	*01:03	*03:01	*04:01	NGS	
747	*07:01:01	*07:01:01	4*01:01:01	4*01:01:01	*02:01:01	*02:01:01	*02:02:01	*02:02	*01:03:01	*01:03:01	*03:01:01	*04:01:01	SSP SSO NGS	DQB1*02:156
762	*07:01		4*01:01		*02:01		*02:02		*01:03		*03:01	*04:01	NGS	
771	*07:01	*07:01					*02:02	*02:02			*03:01	*04:01	SSO NGS	
792	*07:01	*07:01	4*01:01	4*01:01	*02:01	*02:01	*02:02	*02:02	*01:03	*01:03	*03:01:01G	*04:01:01G	SSO SBT NGS	DPB1*124:01 DPB1*350:01
793											*03:01	*04:01		
794	*07:01:01		4*01:01:01		*02:01:01		*02:02:01		*01:03:01		*03:01:01	*04:01:01	SSP SSO NGS RT-PCR	
2344	*07:01:01G	*07:01:01G					*02:01:01G	*02:01:01G			*03:01:01G	*04:01:01G	NGS	
2400	*07:01		4*01:01		*02:01		*02:02		NT	NT	*03:01:01G	*04:01:01G	SSP SSO NGS	DQB1*02:156
3135	*07:01P		4*01:01		*02:01		*02:01P		*01:03		*03:01P	*04:01		
3511	*07:01		4*01:01P		*02:01		*02:02		*01:03		*03:01	*04:01	NGS	
3519	*07:01P		4*01:01		*02:01		*02:02		*01:03		*03:01	*04:01P	SSP NGS RT-PCR	DPB1*04:01 DRB1*07:01
3966	*07:01	*07:01	4*01:01	4*01:03	*02:01	*02:01	*02:02	*02:02					SSO RT-PCR	DRB4*01:03 DRB4*01:01
4251	*07:01:01G	*07:01:01G	4*01:01	4*01:01	*02:01	*02:01	*02:01:01G	*02:01:01G	*01:03:01G	*01:03:01G	*03:01:01G	*04:01:01G	NGS	
4337	*07:01	*07:01					*02:02				*03:01	*04:01	SSP SBT NGS	
5130	*07:01	*07:01	4*01:01		*02:01	*02:01	*02:02	*02:02			*03:01:01G	*04:01:01G	SSO NGS	
5133	*07:01:01		4*01:01:01		*02:01:01		*02:02:01		*01:03:01		*03:01:01	*04:01:01	NGS	DPB1*124:01:01 DPB1*350:01 DRB4*03:01N
5219	*07:01:01	*07:01:01					*02:02:01	*02:02:01			*03:01:01	*04:01:01	SSO NGS	
5451	*07:01:01		4*01:01:01		*02:01:01		*02:02:01		*01:03:01		*03:01:01	*04:01:01	SBT NGS	
5488	*07:01:01				*02:01:01		*02:02:01		*01:03:01		*03:01:01	*04:01:01	SSO NGS	DPB1*124:01:01 DPB1*350:01
5642	*07:01				*02:01		*02:02						SSP SSO	
8001	*07:01		4*01:01		*02:01		*02:02		*01:03		*03:01	*04:01	NGS	DPB1*939:01
8029	*07:01:01G	*07:01:01G					*02:01:01G	*02:01:01G			*03:01:01G	*04:01:01G	SSO NGS	
8038	*07:01P	*07:01P	4*01:01:01G	4*01:01:01G	NT	NT	*02:02:01	*02:02:01	NT	NT	*03:01:01	*04:01:01G	SSO SBT	DPB1*1226:01 DPB1*03:01:08 DPB1*04:01:31 DPB1*124:01 DPB1*350:01 DQB1*02:02:06 DQB1*02:02:09 DQB1*02:110 DQB1*02:131 DQB1*02:203+
8043	*07:01		4*01:01:01G		*02:01		*02:02				*03:01	*04:01	SSP SSO NGS	
8122	*07:01		4*01:01		*02:01		*02:02		*01:03		*03:01	*04:01	NGS	DRB4*03:01N DPB1*124:01 DPB1*350:01

Table 4: Individual laboratory results for B-cell #615 - Class I

	Low resolution						High resolution							
Center	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
230							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	NGS	
725	*29	*31	*35	*44	*04	*16							SSO	
747	*29	*31N	*35	*44	*04	*16	*29:02:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01	SSP SSO NGS	
762							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	NGS	
771	*29	*31	*35	*44	*04	*16	*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	SSO NGS	
792	*29	*31	*35	*44	*04	*16	*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	SSO SBT NGS	
793	*29	*31	*35	*44	*04	*16								
794	*29	*31N	*35	*44	*04	*16	*29:02:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01	SSP SSO NGS RT-PCR	
2344							*29:02:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01	NGS	
2400	*29		*35	*44	*04	*16	*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	SSP SSO NGS	
2847	*29	*31	*35	*44	*04	*16							SSO	
3135							*29:02P	*31:14N	*35:03P	*44:03P	*04:01P	*16:01P		
3511							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	NGS	
3519	*29	*31	*35	*44	*04	*16	*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	SSP NGS RT-PCR	
3753	*29	*31	*35	*44	*04	*16							SSO	
3966	*29	*31	*35	*44	*04	*16							SSO RT-PCR	
4079	*29	*31N	*35	*44	*04	*16							SSO RT-PCR	
4251							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	NGS	
4337							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	SSP SBT NGS	
5130	*29	*31	*35	*44	*04	*16	*29:02	*31:01	*35:03	*44:03	*04:01	*16:01	SSO NGS	A*31:14N
5133							*29:02:01:01	*31:14N	*35:03:01:03	*44:03:01	*04:01:01:14	*16:01:01:01	NGS	
5214	*29	*31	*35	*44	*04	*16							RT-PCR	
5219	*29	*31	*35	*44	*04	*16	*29:02:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01	SSO NGS	
5451							*29:02:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01	SBT NGS	
5462	*29	*31	*35	*44	*04	*16							SSO	
5488							*29:02:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01	SSO NGS	
5642	*29	*31	*35	*44	*04	*16							SSP SSO	
6649	*29	*31	*35	*44									SSO	
8001							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	NGS	
8029	*29	*31	*35	*44	*04	*16	*29:02:01:01	*31:14N	*35:03:01	*44:03:01	*04:01:01	*16:01:01:01	SSO NGS	
8038	*29	*31N	*35	*44	*04	*16	*29:02P	*31:14N	*35:03P	*44:03P	*04:01P	*16:01P	SSO SBT	C*04:01:110 C*04:423
8043	*29	*31	*35	*44	*04	*16	*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	SSP SSO NGS	
8068	*29	*31	*35	*44	*04	*16							SSO	
8122							*29:02	*31:14N	*35:03	*44:03	*04:01	*16:01	NGS	
8123	*29	*31	*35	*44	*04	*16							RT-PCR	

Table 5a: Individual laboratory results for B-cell #616 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
725	*07	*14	3*01	4*NULL	*01	*02	*03(DQ9)	*06					SSO	
747	*07	*14	3*01	4*01N	*01	*02	*03	*06	*01	*01	*04	*04	SSP SSO NGS	
771	*07	*14			*01	*02	*03	*06					SSO NGS	
792	*07	*14	3*01	4*01N	*01	*02	*03(DQ9)	*06	*01	*01	*04	*04	SSO SBT NGS	
793	*07	*14	3*01	4*01N	*01	*02	*03(DQ9)	*06	*01		*04(DP401)			
794	*07	*14	3*01	4*01N	*01	*02	*03	*06	*01		*04		SSP SSO NGS RT-PCR	
2400	*07	*14	3*01		*01	*02	*03(DQ9)	*06	NT	NT	*04(DP401)		SSP SSO NGS	
2847	*07	*14											SSO	
													SSP NGS RT-PCR	
3519	*07	*14	3*01	4*01	*01	*02	*03(DQ9)	*06	*01		*04(DP401)			
3753	*07	*14	3*01	4*01N	*01	*02	*03(DQ9)	*06	*01		*04(DP401)		SSO	
3966													SSO RT-PCR	
4079	*07	*14	3*01	4*01	*01	*02	*03(DQ9)	*06	*01		*04(DP401)		SSO RT-PCR	
5130	*07	*14	3*01	4*01	*01	*02	*03	*06			*04	*04	SSO NGS	
5214	*07	*14	3*01	4*01N	*01	*02	*03(DQ9)	*06	*01		*04(DP401)		RT-PCR	
5219	*07	*14			*01	*02	*03	*06					SSO NGS	
5462	*07	*14	3*01	4*01N	*01	*02	*03	*06	*01				SSO	
5488													SSO NGS	
5642	*07	*14	3*PRESENT	4*PRESENT	*01	*02	*03(DQ9)	*06					SSP SSO	
6649	*07	*14					*03(DQ9)	*06					SSO	
8029	*07	*14			*01	*02	*03	*06					SSO NGS	
8038	*07	*14	3*01	4*01N	*01	*02	*03(DQ9)	*06	*01	*01	*04(DP401)	*04(DP401)	SSO SBT	
8043	*07	*14	3*01	4*01	*01	*02	*03	*06					SSP SSO NGS	
8068	*07	*14			*01	*02	*03	*06					SSO	
8123	*07	*14	3*01	4*01N	*01	*02	*03(DQ9)	*06	*01	*01	*04(DP401)	*04(DP401)	RT-PCR	

Table 5b: Individual laboratory results for B-cell #616 - Class II

	High resolution													
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*07:01	*14:21	3*01:01	4*01:03:01N	*01:03	*02:01	*03:03	*06:03	*01:03	*01:03	*04:01	*04:01	NGS	
747	*07:01:01	*14:21	3*01:01	4*01:03:01:02N	*01:03:01	*02:01:01	*03:03:02	*06:03:01	*01:03:01	*01:03:01	*04:01:01	*04:01:01	SSP SSO NGS	DRB3*01:62
762	*07:01	*14:21	3*01:01	4*01:03N	*01:03	*02:01	*03:03	*06:03	*01:03		*04:01		NGS	
771	*07:01	*14:21					*03:03	*06:03			*04:01	*04:01	SSO NGS	
792	*07:01	*14:21	3*01:01	4*01:03N	*01:03	*02:01	*03:03	*06:03	*01:03	*01:03	*04:01	*04:01	SSO SBT NGS	
793											*04:01			
794	*07:01:01	*14:21	3*01:01:02	4*01:03:01N	*01:03:01	*02:01:01	*03:03:02	*06:03:01	*01:03:01		*04:01:01		SSP SSO NGS RT-PCR	
2344	*07:01:01G	*14:21					*03:03:02G	*06:03:01G			*04:01:01G	*04:01:01G	NGS	
2400	*07:01	*14:21	3*01:01	4*01:03:01:02N	*01:03	*02:01	*03:03	*06:03	NT	NT	*04:01:01G		SSP SSO NGS	
3135	07:01P	*14:21	3*01:01	4*01:03N	*01:03	*02:01	*03:03P	*06:03P	*01:03		*04:01P			
3511	*07:01	*14:21	3*01:01	4*01:03N	*01:03	*02:01	*03:03	*06:03	*01:03		*04:01		NGS	
3519	07:01P	*14:21	3*01:01	4*01:03N	*01:03	*02:01	*03:03	*06:03	*01:03		*04:01P		SSP NGS RT-PCR	DPB1*04:01 DRB1*07:01
3966	*07:01	*14:21	3*01:01	4*01:03N	*01:03	*02:01	*03:03	*06:03					SSO RT-PCR	
4251	*07:01:01G	*14:21	3*01:01:02G	4*01:03N	*01:03	*02:01	*03:03:02G	*06:03:01G	*01:03:01G	*01:03:01G	*04:01	*04:01	NGS	
4337	*07:01	*14:21					*03:03	*06:03			*04:01	*04:01	SSP SBT NGS	
5130	*07:01	*14:21	3*01:01	4*01:03:01:02N	*01:03	*02:01	*03:03	*06:03			*04:01:01G	*04:01:01G	SSO NGS	DRB3*01:04
5133	*07:01:01	*14:21	3*01:01:02	4*01:03:01:02N	*01:03:01	*02:01:01	*03:03:02	*06:03:01	*01:03:01		*04:01:01		NGS	
5219	*07:01:01	*14:21					*03:03:02	*06:03:01			*04:01:01	*04:01:01	SSO NGS	
5451	*07:01:01	*14:21	3*01:01:02	4*01:03:01:02N	*01:03:01	*02:01:01	*03:03:02	*06:03:01	*01:03:01		*04:01:01		SBT NGS	
5488	*07:01:01	*14:21	3*01:01:02	4*01:03:01:02N	*01:03:01	*02:01:01	*03:03:02	*06:03:01	*01:03:01		*04:01:01		SSO NGS	
5642	*07:01	*14:21			*01:03	*02:01	*03:03	*06:03					SSP SSO	
8001	*07:01	*14:21	3*01:01	4*01:03:01:02N	*01:03	*02:01	*03:03	*06:03	*01:03		*04:01		NGS	DPB1*939:01 DRB3*01:62
8029	*07:01:01G	*14:21					*03:03:02	*06:03:01G			*04:01:01G	*04:01:01G	SSO NGS	
														DQB1*03:03:04 DPB1*1226:01 DQB1*06:03:35 DQB1*06:03:43
8038	07:01P	*14:21	3*01:01P	4*01:03:01:02N	NT	NT	*03:03P	*06:03P	NT	NT	*04:01:01G	*04:01:01G	SSO SBT	
8043	*07:01	*14:21	3*01:01:01G	4*01:01:01G	*01:03	*02:01	*03:03	*06:03	*01:03		*04:01		SSP SSO NGS	
8122	*07:01	*14:21	3*01:01	4*01:03:01:02N	*01:03	*02:01	*03:03	*06:03	*01:03		*04:01		NGS	

Table 6: Individual laboratory results for B-cell #616 - Class I

Low resolution							High resolution							
Center	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
230							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	NGS	
725	*02	*03	*44	*57	*05	*06							SSO	
747	*02	*03	*44	*57	*05	*06	*02:01:01	*03:01:01	*44:02:01	*57:01:01	*05:01:01	*06:02:01	SSP SSO NGS	C*06:274
762							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	NGS	
771	*02	*03	*44	*57	*05	*06	*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSO NGS	
792	*02	*03	*44	*57	*05	*06	*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSO SBT NGS	C*06:274
793	*02	*03	*44	*57	*05	*06								
794	*02	*03	*44	*57	*05	*06	*02:01:01	*03:01:01	*44:02:01	*57:01:01	*05:01:01	*06:02:01	SSP SSO NGS RT-PCR	
2344							*02:01:01	*03:01:01	*44:02:01	*57:01:01	*05:01:01	*06:02:01	NGS	
2400	*02	*03	*44	*57	*05	*06	*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSP SSO NGS	C*06:274
2847	*02	*03	*44	*57	*05	*06							SSO	
3135							*02:01P	*03:01P	*44:02P	*57:01P	*05:01P	*06:02P		
3511							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	NGS	
3519	*02	*03	*44	*57	*05	*06	*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSP NGS RT-PCR	
3753	*02	*03	*44	*57	*05	*06							SSO	
3966	*02	*03	*44	*57	*05	*06							SSO RT-PCR	
4251							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	NGS	
4079	*02	*03	*44	*57	*05	*06							SSO RT-PCR	
4337							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSP SBT NGS	
5130	*02	*03	*44	*57	*05	*06	*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSO NGS	
5133							*02:01:01:01	*03:01:01:01	*44:02:01:01	*57:01:01:01	*05:01:01:02	*06:02:01:01	NGS	
5214	*02	*03	*44	*57	*05	*06							RT-PCR	
5219	*02	*03	*44	*57	*05	*06	*02:01:01	*03:01:01	*44:02:01	*57:01:01	*05:01:01	*06:02:01	SSO NGS	
5451							*02:01:01	*03:01:01	*44:02:01	*57:01:01	*05:01:01	*06:02:01	SBT NGS	
5462	*02	*03	*44	*57	*05	*06							SSO	
5488							*02:01:01	*03:01:01	*44:02:01	*57:01:01	*05:01:01	*06:02:01	SSO NGS	
5642	*02	*03	*44	*57	*05	*06							SSP SSO	
6649	*02	*03	*44	*57									SSO	
8001							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	NGS	
8029	*02	*03	*44	*57	*05	*06	*02:01:01	*03:01:01	*44:02:01	*57:01:01:01	*05:01:01G	*06:02:01G	SSO NGS	
8038	*02	*03	*44	*57	*05	*06	*02:01:01G	*03:01:01G	*44:02P	*57:01P	*05:01:01G	*06:02P	SSO SBT	A*02:884:02 A*03:312 C*06:297
8043	*02	*03	*44	*57	*05	*06	*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	SSP SSO NGS	
8068	*02	*03	*44	*57	*05	*06							SSO	
8122							*02:01	*03:01	*44:02	*57:01	*05:01	*06:02	NGS	
8123	*02	*03	*44	*57	*05	*06							RT-PCR	