

B-CELL LINE EXCHANGE #315

JANUARY 27, 2025

B-cell Line	629- 630
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The results for B-cell Line Exchange #315 are summarized in Tables 1 - 2. Individual lab results reported for each sample are listed in Tables 3 - 6.

We would like to express our gratitude to **Welsh Blood Service, Pontyclun** and **Brigham and Women's Hospital, Boston**, for kindly providing the 2 cells examined in this study. We would also like to 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://network.nmdp.org/services-support/bioinformatics-immunobiology/haplotype-frequencies>.

Ter-629. The reported HLA type for this cell from a Caucasian donor is as follows:

HLA-A		HLA-B		HLA-C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03	*01:03	*04:01	*20:01

Combining Exchange data and data obtained from B*27:23 family studies(1), haplotypes most likely present in this cell are A*26:01-B*27:23-C*02:02-DRB1*12:01-DRB3*02:02-DQA1*05:05-DQB1*03:01 and A*32:01-B*07:02-C*07:02-DRB1*07:01-DRB4*01:03:01:02N-DQA1*02:01-DQB1*03:03. The association of B*07:02-C*07:02-DRB1*07:01-DQB1*03:03, is observed in Caucasians, with HF = 0.00202.

This cell was previous examined in the Exchange as Ter 577 (2020), and as extracts 569 (2013) and 394 (2007). In this present study, B*27:23 was reported by 96% of labs reporting at high resolution. One lab indicated a new B*27 allele was present. Good agreement ($\geq 90\%$) was achieved for all other allele assignments.

Reference:

1. Darke C, Street J, Hammond L, et al. Immunogenetic study of a new HLA allele, B*2723. *Tissue Antigens* 2002;60:400-403.

Ter-630. The reported HLA type for this cell from a Hispanic donor was as follows:

HLA-A		HLA-B		HLA-C		DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	*14:06	*14:24	3*01:01	3*01:01	*05:03	*05:03	*03:01	*03:01	*01:03	*01:03	*04:02	*04:02

One possible association present in this cell is A*02:06-B*35:01-DRB1*14:06-DQB1*03:01, observed exclusively in Hispanics, with HF = 0.00160. The other possible association present is A*02:01-B*15:15-DRB1*14:24-DQB1*03:01.

This cell is HDB. It is a reference cell for DRB1*14:06:01 and DRB1*14:24. It was previously typed in the Exchange as Ter 411 (2008), Ter 221 (1998), Ext 546 (2012), and Ext 57 (1998). In this present study, DRB1*14:24 and DRB1*14:06 were well assigned (100%), with 7 labs assigning DRB1*14:06:01. Good ($\geq 90\%$) agreement was also achieved for all other allele assignments.

Note: For Ter 629 and Ter 630, DPA1 and DPB1 were not graded at low resolution, as there were < 10 labs reporting.

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Table 1: Summary of the 315th B-cell Line Exchange

Ter-629

DNA Typing - class II	<u>26 labs High; 19 labs Low-DRB1</u>	%(n)
	DRB1*07:01:01	23(6)
	DRB1*07:01:01G	12(3)
	DRB1*07:01P	8 (2)
	DRB1*07:01	57(15)
	DRB1*07	100(19)

<u>21 labs High; 11 labs Low-DRB3/4/5</u>	%(n)
DRB4*01:03:01:02N	62(13)
DRB4*01:01:01G	5 (1)
DRB4*01:03N	28(6)
DRB4*01:03	5 (1)
DRB4*01N	55(6)
DRB4*NULL	27(3)
DRB4*01	9 (1)
DRB4*PRESENT	9 (1)

<u>21 labs High; 16 labs Low-DQA1</u>	%(n)
DQA1*02:01:01	24(5)
DQA1*02:01	76(16)
DQA1*02	16(100)

<u>26 labs High; 17 labs Low-DQB1</u>	%(n)
DQB1*03:01:01:05	4 (1)
DQB1*03:01:01	19(5)
DQB1*03:01:01G	12(3)
DQB1*03:01P	4 (1)
DQB1*03:01	61(16)
DQB1*03(DQ9)	65(11)
DQB1*03	35(6)

<u>21 labs High; 8 labs Low-DPA1</u>	%(n)
DPA1*01:03:01	19(4)
DPA1*01:03:01G	10(2)
DPA1*01:03P	5 (1)
DPA1*01:03	66(14)
DPA1*01	100(8)

<u>27 labs High; 7 labs Low-DPB1</u>	%(n)
DPB1*04:01:01	15(4)
DPB1*04:01:01G	22(6)
DPB1*04:01P	26(7)
DPB1*04:01	37(10)
DPB1*04(DP401)	57(4)
DPB1*04	43(3)

DNA Typing - class I	<u>25 labs High; 18 labs Low- A</u>	%(n)
	A*26:01:01 :01	4 (1)
	A*26:01:01	28(7)
	A*26:01P	4 (1)
	A*26:01	64(16)
	A*26	100(18)

<u>25 labs High; 18 labs Low- B</u>	%(n)
B*07:02:01	28(7)
B*07:02:01G	8 (2)
B*07:02P	4 (1)
B*07:02	60(15)
B*07	100(18)

<u>25 labs High; 17 labs Low- C</u>	%(n)
C*02:02:02:01	4 (1)
C*02:02:02	28(7)
C*02:02P	4 (1)
C*02:02	64(16)
C*02	100(17)

Table 2: Summary of the 315th B-cell Line Exchange

Ter-630

DNA Typing - class II	25 labs High: 19 labs Low-DRB1		21 labs High: 11 labs Low-DRB3/4/5		21 labs High: 14 labs Low-DQA1		26 labs High: 18 labs Low-DQB1		21 labs High: 10 labs Low-DPA1		27 labs High: 7 labs Low-DPB1	
		%(n)		%(n)		%(n)		%(n)		%(n)		%(n)
	DRB1*14:06:01	28(7)	DRB3*01:01:02	10(2)	DQA1*05:03:01:01	5 (1)	DQB1*03:01:01	19(5)	DPA1*01:03:01	19(4)	DPB1*04:02:01	22(6)
	DRB1*14:06:01G	4 (1)	DRB3*01:01:02G	10(2)	DQA1*05:03:01	19(4)	DQB1*03:01:01G	15(4)	DPA1*01:03:01G	10(2)	DPB1*04:02:01G	15(4)
	DRB1*14:06	68(17)	DRB3*01:01P	14(3)	DQA1*05:01:01G	5 (1)	DQB1*03:01P	4 (1)	DPA1*01:03P	5 (1)	DPB1*04:02P	15(4)
	DRB1*14	95(18)	DRB3*01:01	66(14)	DQA1*05:03	71(15)	DQB1*03:01	62(16)	DPA1*01:03	66(14)	DPB1*04:02	48(13)
	<i>DRB1*11</i>	5 (1)	DRB3*01	82(9)	DQA1*05	100(14)	DQB1*03(DQ7)	61(11)	DPA1*01	100(8)	DPB1*04(DP402)	57(4)
			DRB3*PRESENT	18(2)			DQB1*03	39(7)			DPB1*04	43(3)
	25 labs High-DRB1	%(n)										
	DRB1*14:24	100(25)										

DNA Typing - class I	25 labs High: 18 labs Low- A		25 labs High: 18 labs Low- B		25 labs High: 17 labs Low- C	
		%(n)		%(n)		%(n)
	A*02:01:01:01	4 (1)	B*15:15:01:01	4 (1)	C*01:02:01:01	4 (1)
	A*02:01:01	28(7)	B*15:15:01	28(7)	C*01:02:01	28(7)
	A*02:01P	4 (1)	B*15:15	68(17)	C*01:02P	4(1)
	A*02:01	64(16)	B*15(B62)	39(7)	C*01:02	64(16)
	A*02	100(18)	B*15(B75)	11(2)	C*01	100(17)
			B*15	50(9)		
	25 labs High- A	%(n)	25 labs High: 18 labs Low- B	%(n)	25 labs High: 17 labs Low- C	%(n)
	A*02:06:01:01	4 (1)	B*35:01:01	28(7)	C*04:01:01:79	4 (1)
	A*02:06:01	28(7)	B*35:01:01G	4 (1)	C*04:01:01	28(7)
	A*02:06P	4 (1)	B*35:01P	4 (1)	C*04:01:01G	4(1)
	A*02:06	64(16)	B*35:01	64(16)	C*04:01	64(16)
			B*35	100(17)	C*04	100(17)

Table 3a: Individual laboratory results for B-cell #629 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
725	*07	*12	3*02	4*01N	*02	*05	*03(DQ9)	*03(DQ9)					SSO	
747	*07	*12	3*02	4*NULL	*02	*05	*03(DQ9)	*03(DQ9)	*01	*01	*04	*20	SSP SSO NGS RT-PCR	
771	*07	*12			*02	*05	*03	*03					SSP SSO SBT NGS	
792	*07	*12	3*02	4*01N	*02	*05	*03(DQ9)	*03(DQ9)	*01	*01	*04	*20	SSO NGS	
793	*07	*12	3*02	4*01N	*02	*05	*03(DQ9)	*03(DQ9)	*01	*01			RT-PCR	
2400	*07	*12	3*02	4*NULL	*02	*05	*03(DQ9)	*03(DQ9)						
2847	*07	*12											SSO	
3519	*07	*12	3*02	4*01	*02	*05	*03(DQ9)	*03(DQ9)	*01		*04(DP401)	*20	SSP NGS	
3753	*07	*12	3*02	4*01N	*02	*05	*03(DQ9)	*03(DQ9)	*01		*04(DP401)	*20	SSO	
3966	*07	*12	3*PRESENT	4*PRESENT			*03(DQ9)	*03(DQ9)					SSP SSO RT-PCR	
5130	*07	*12	3*02	4*01N	*02	*05	*03	*03	*01	*01	*04	*20	SSO NGS RT-PCR	
5133													NGS	
5214	*07	*12	3*02	4*01N	*02	*05	*03(DQ9)	*03(DQ9)	*01		*04(DP401)	*20	SSO	
5219	*07	*12			*02	*05	*03	*03					SSO NGS	
5488													SSO NGS	
6649	*07	*12					*03(DQ9)	*03(DQ9)					SSO	
8029	*07	*12			*02	*05	*03	*03						
8043	*07	*12			*02	*05	*03	*03					SSP SSO NGS	
8058	*07	*12	NT	NT	*02	*05	*03		NT	NT	NT	NT	SSO	
8068	*07	*12			*02	*05	*03	*03					SSP SSO	
8123	*07	*12	3*02	4*NULL	*02	*05	*03(DQ9)	*03(DQ9)	*01	*01	*04(DP401)	*20	RT-PCR	

Table 3b: Individual laboratory results for B-cell #629 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03	*01:03	*04:01	*20:01	NGS	
747	*07:01:01	*12:01:01	3*02:02:01	4*01:03:01:02N	*02:01:01	*05:05:01	*03:01:01	*03:03:02	*01:03:01	*01:03:01	*04:01:01	*20:01:01	SSP SSO NGS RT-PCR	DPB1*350:01 DPB1*905:01
762	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01	*20:01	NGS	
771	*07:01	*12:01					*03:01	*03:03			*04:01	*20:01	SSP SSO SBT NGS	
792	*07:01	*12:01	3*02:02	4*01:03N	*02:01	*05:05	*03:01	*03:03	*01:03	*01:03	*04:01	*20:01	SSO NGS	DPB1*350:01 DPB1*905:01
793											*04:01P	*20:01P	RT-PCR	
2344	*07:01:01G	*12:01:01G					*03:01:01G	*03:03:02G			*04:01:01G	*20:01:01G	NGS	
2400	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01:01G	*20:01:01G		DRB1*12:10 DQB1*03:276N
3135	*07:01P	*12:01P	3*02:02	4*01:01:01G	*02:01	*05:01:01G	*03:01P	*03:03P	*01:03		*04:01P	*20:01:01G		
3224	*07:01	*12:01	3*02:02	4*01:03N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01P	*20:01P		
3511	*07:01	*12:01	3*02:02P	4*01:03N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01P	*20:01P	NGS	
3519	*07:01P	*12:01P	3*02:02P	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01P	*20:01	SSP NGS	DRB1*12:10
3966	*07:01	*12:01	3*02:02	4*01:03N	*02:01	*05:05	*03:01	*03:03	*01:03	*01:03	*04:01	*20:01	SSP SSO RT-PCR	DRB1*12:10 DQA1*05:09
4251	*07:01:01G	*12:01:01G	3*02:02:01G	4*01:03N	*02:01	*05:05	*03:01:01G	*03:03:02G	*01:03:01G	*01:03:01G	*04:01:01G	*20:01:01G	NGS	
4337	*07:01	*12:01					*03:01	*03:03			*04:01	*20:01	SSP SBT NGS	
5130	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03	*01:03	*04:01:01G	*20:01:01G	SSO NGS	
5133	*07:01:01	*12:01:01	3*02:02:01	4*01:03:01:02N	*02:01:01	*05:05:01	*03:01:01	*03:03:02	*01:03:01		*04:01:01	*20:01:01	RT-PCR	
5219	*07:01:01	*12:01:01					*03:01:01	*03:03:02			*04:01:01	*20:01:01	NGS	
5451	*07:01:01	*12:01:01	3*02:02P	4*01:03:01:02N	*02:01:01	*05:05:01	*03:01:01	*03:03:02	*01:03:01		*04:01:01	*20:01:01	SSO NGS	
5451	*07:01:01	*12:01:01	3*02:02P	4*01:03:01:02N	*02:01:01	*05:05:01	*03:01:01	*03:03:02	*01:03:01		*04:01:01	*20:01:01	SBT NGS	
5462	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01P	*20:01P	NGS	DPB1*350:01 DPB1*905:01
5488	*07:01:01	*12:01:01	3*02:02:01	4*01:03:01:02N	*02:01:01	*05:05:01	*03:01:01	*03:03:02	*01:03:01		*04:01:01G	*20:01:01G	SSO NGS	DPB1*04:01:01 DPB1*20:01:01 DPB1*350:01 DPB1*905:01
8001	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01	*20:01	NGS	
8029	*07:01:01G	*12:01:01G					*03:01:01G	*03:03:02			*04:01:01G	*20:01:01G		
8038	*07:01:01	*12:01:01	3*02:02:01	4*01:03:01:02N	*02:01:01	*05:05:01	*03:01:01:05	*03:03:02	*01:03P	*01:03P	*04:01P	*20:01P	NGS	
8043	*07:01	*12:01	3*02:02	4*01:03N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01	*20:01	SSP SSO NGS	
8122	*07:01	*12:01	3*02:02	4*01:03:01:02N	*02:01	*05:05	*03:01	*03:03	*01:03		*04:01	*20:01	NGS	DPB1*350:01 DPB1*905:01
8137	*07:01	*12:01	3*02:02	4*01:03	*02:01	*05:05	*03:01	*03:03	*01:03:01G	*01:03:01G	*04:01	*20:01	SBT	

Table 4: Individual laboratory results for B-cell #629 - Class I

Center	Low resolution						High resolution						METHOD	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
230							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
725	*26	*32	*07	*27	*02	*07							SSO	
747	*26	*32	*07	*27	*02	*07	*26:01:01	*32:01:01	*07:02:01	*27:23	*02:02:02	*07:02:01	SSP SSO NGS	
762							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	RT-PCR	
													NGS	
771	*26	*32	*07	*27	*02	*07	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SSP SSO SBT	
792	*26	*32	*07	*27	*02	*07	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
793	*26	*32	*07	*27	*02	*07							SSO NGS	
2344							*26:01:01	*32:01:01	*07:02:01	*27:23	*02:02:02	*07:02:01	RT-PCR	
2400	*26	*32	*07	*27	*02	*07	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
2847	*26	*32	*07	*27	*02	*07							SSO	
3135							*26:01P	*32:01P	07:02P	*27:23	02:02P	*07:02P		
3224							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02		
3511							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
3519	*26	*32	*07	*27	*02	*07	*26:01	*32:01	*07:02	NEW	*02:02	*07:02	SSP NGS	
3753	*26	*32	*07	*27	*02	*07							SSO	
													SSP SSO	
3966	*26	*32	*07	*27	*02	*07							RT-PCR	
4251							*26:01	*32:01	07:02:01G	*27:23	*02:02	*07:02	NGS	
4337							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SSP SBT NGS	
													SSO NGS	
5130	*26	*32	*07	*27	*02	*07	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	RT-PCR	
5133							*26:01:01:01	*32:01:01:01	*07:02:01	*27:23	*02:02:02:01	*07:02:01:03	NGS	
5214	*26	*32	*07	*27	*02	*07							SSO	
5219	*26	*32	*07	*27	*02	*07	*26:01:01	*32:01:01	*07:02:01	*27:23	*02:02:02	*07:02:01	SSO NGS	
5451							*26:01:01	*32:01:01	*07:02:01	*27:23	*02:02:02	*07:02:01	SBT NGS	
5462							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
5488							*26:01:01	*32:01:01	*07:02:01	*27:23	*02:02:02	*07:02:01	SSO NGS	
6649	*26	*32	*07	*27									SSO	
8001							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
8029	*26	*32	*07	*27	*02	*07	*26:01:01	*32:01:01	07:02:01G	*27:23	*02:02:02	*07:02:01		
8038							*26:01:01	*32:01:01	*07:02:01	*27:23	*02:02:02	*07:02:01	NGS	
8043	*26	*32	*07	*27	*02	*07	*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SSP SSO NGS	
8058													SSO	
8068	*26	*32	*07	*27	*02	*07							SSP SSO	
8122							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	NGS	
8123	*26	*32	*07	*27	*02	*07							RT-PCR	
8137							*26:01	*32:01	*07:02	*27:23	*02:02	*07:02	SBT	

Table 5a: Individual laboratory results for B-cell #630 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
725	*14		3*01		*05		*03(DQ7)						SSO	
747	*14	*14	3*PRESENT 3*PRESENT		*05	*05	*03(DQ7) *03(DQ7)		*01	*01	*04	*04	SSP SSO NGS RT-PCR	
771	*14	*14			*05	*05	*03 *03						SSP SSO SBT NGS	
792	*14	*14	3*01 3*01		*05	*05	*03(DQ7) *03(DQ7)		*01	*01	*04	*04	SSO NGS	
793	*14	*14	3*01 3*01		*05	*05	*03(DQ7) *03(DQ7)		*01	*01			RT-PCR	
2400	*14		3*01		*05		*03(DQ7)							
2847	*14	*14											SSO	
3519	*14	*14	3*01		*05		*03(DQ7)		*01		*04(DP402)		SSP NGS	
3753	*14		3*01		*05		*03(DQ7)		*01		*04(DP402)		SSO	
3966	*14	*14	3*PRESENT 3*PRESENT				*03(DQ7) *03(DQ7)						SSP SSO RT-PCR	
5130	*14	*14	3*01 3*01		*05	*05	*03 *03		*01	*01	*04	*04	SSO NGS RT-PCR	
5133													NGS	
5214	*14	*14	3*01		*05		*03(DQ7)		*01		*04(DP402)		SSO	
5219	*14	*14			NT	NT	*03 *03						SSO NGS	
5488													SSO NGS	
6649	*14	*14					*03(DQ7) *03(DQ7)						SSO	
8029	*14	*14			*05		*03 *03							
8043	*14	*14					*03						SSP SSO NGS	
8058	*11	*14	NT NT		*05		*03 *06		NT	NT	NT	NT	SSO	
8068	*14	*14			*05	*05	*03 *03						SSP SSO	
8123	*14	*14	3*01 3*01		*05	*05	*03(DQ7) *03(DQ7)		*01	*01	*04(DP402)	*04(DP402)	RT-PCR	

Table 5b: Individual laboratory results for B-cell #630 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*14:06	*14:24	3*01:01	3*01:01	*05:03	*05:03	*03:01	*03:01	*01:03	*01:03	*04:02	*04:02	NGS	
747	*14:06:01	*14:24	3*01:01	3*01:01	*05:03:01	*05:03:01	*03:01:01	*03:01:01	*01:03:01	*01:03 :01	*04:02:01	*04:02:01	SSP SSO NGS RT-PCR	DQB1*03:276N DQB1*03:276N
762	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02		NGS	
771	*14:06	*14:24					*03:01	*03:01			*04:02	*04:02	SSP SSO SBT NGS	
792	*14:06	*14:24	3*01:01	3*01:01	*05:03	*05:03	*03:01	*03:01	*01:03	*01:03	*04:02	*04:02	SSO NGS	
793											*04:02P	*04:02P	RT-PCR	
2344	*14:06:01G	*14:24					*03:01:01G	*03:01:01G			*04:02:01G	*04:02:01G	NGS	
2400	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02:01G			DQB1*03:276N
3135	*14:06:01	*14:24	3*01:01:02G		*05:01:01G	*05:03	*03:01P		*01:03		*04:02P			
3224	*14:06	*14:24	3*01:01P		*05:03		*03:01		*01:03		*04:02P			
3511	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02		NGS	
3519	*14:06	*14:24	3*01:01P		*05:03		*03:01		*01:03		*04:02P		SSP NGS	DRB3*01:62
3966	*14:06	*14:24	3*01:01	3*01:01	*05:03	*05:03	*03:01	*03:01	*01:03	*01:03	*04:02	*04:02	SSP SSO RT-PCR	
4251	*14:06	*14:24	3*01:01:02G	3*01:01:02G	*05:03	*05:03	*03:01:01G	*03:01:01G	*01:03:01G	*01:03 :01G	*04:02	*04:02	NGS	
4337	*14:06	*14:24					*03:01	*03:01			*04:02	*04:02	SSP SBT NGS SSO NGS	
5130	*14:06	*14:24	3*01:01	3*01:01	*05:03	*05:03	*03:01	*03:01	*01:03	*01:03	*04:02:01G	*04:02:01G	RT-PCR	
5133	*14:06:01	*14:24	3*01:01:02		*05:03:01		*03:01:01		*01:03:01		*04:02:01		NGS	DQB1*03:276N
5219	NT	NT					*03:01:01	*03:01:01			*04:02:01	*04:02:01	SSO NGS	
5451	*14:06:01	*14:24	3*01:01		*05:03:01		*03:01:01		*01:03:01		*04:02:01		SBT NGS	
5462	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02		NGS	
5488	*14:06:01	*14:24	3*01:01:02		*05:03:01		*03:01:01G		*01:03:01		*04:02:01		SSO NGS	DQB1*03:01:01 DQB1*03:276N
8001	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02		NGS	DQB1*03:276N
8029	*14:06:01	*14:24					*03:01:01G	*03:01:01G			*04:02:01G	*04:02:01G		
8038	*14:06:01	*14:24	3*01:01P	3*01:01P	*05:03:01:01		*03:01:01		*01:03P	*01:03 P	*04:02:01		NGS	
8043	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02		SSP SSO NGS	
8122	*14:06	*14:24	3*01:01		*05:03		*03:01		*01:03		*04:02		NGS	DQB1*03:276N
8137	*14:06	*14:24	3*01:01	3*01:01	*05:03	*05:03	*03:01	*03:01	*01:03:01G	*01:03 :01G	*04:02	*04:02	SBT	

Table 6: Individual laboratory results for B-cell #630 - Class I

Center	Low resolution						High resolution						METHOD	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
230							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	NGS	
725	*02		*15	*35	*01	*04							SSO	
747	*02	*02	*15	*35	*01	*04	*02:01:01	*02:06:01	*15:15:01	*35:01:01	*01:02:01	*04:01:01	SSP SSO NGS	
762							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	RT-PCR	
													NGS	
771	*02	*02	*15	*35	*01	*04	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSP SSO SBT	
792	*02	*02	*15(B62)	*35	*01	*04	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	NGS	
793	*02	*02	*15(B62)	*35	*01	*04							SSO NGS	
2344							*02:01:01	*02:06:01	*15:15:01	*35:01:01	*01:02:01	*04:01:01	RT-PCR	
2400	*02		*15(B62)	*35	*01	*04	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	NGS	
2847	*02	*02	*15	*35	*01	*04							SSO	
3135							*02:01P	*02:06P	*15:15	*35:01P	*01:02P	*04:01:01G		
3224							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01		
3511							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	NGS	
3519	*02		*15(B62)	*35	*01	*04	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSP NGS	
3753	*02		*15(B62)	*35	*01	*04							SSO	
3966	*02	*02	*15(B75)	*35	*01	*04							SSP SSO	
4251							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	RT-PCR	
4337							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	NGS	
													SSP SBT NGS	
5130	*02	*02	*15	*35	*01	*04	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSO NGS	
5133							*02:01:01:01	*02:06:01:01	*15:15:01	*35:01:01	*01:02:01:01	*04:01:01:79	RT-PCR	
5214	*02	*02	*15(B62)	*35	*01	*04							NGS	
5219	*02	*02	*15	*35	*01	*04	*02:01:01	*02:06:01	*15:15:01	*35:01:01	*01:02:01	*04:01:01	SSO	
5451							*02:01:01	*02:06:01	*15:15:01	*35:01:01	*01:02:01	*04:01:01	SSO NGS	
5462							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SBT NGS	
5488							*02:01:01	*02:06:01	*15:15:01	*35:01:01	*01:02:01	*04:01:01	NGS	
6649	*02	*02	*15(B75)	*35									SSO NGS	
8001							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSO	
8029	*02	*02	*15	*35	*01	*04	*02:01:01	*02:06:01	*15:15:01	*35:01:01G	*01:02:01	*04:01:01	NGS	
8038							*02:01:01	*02:06:01	*15:15:01:01	*35:01:01	*01:02:01	*04:01:01		
8043	*02	*02	*15	*35	*01	*04	*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	NGS	
8058													SSP SSO NGS	
8068	*02	*02	*15	*35	*01	*04							SSO	
8122							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	SSP SSO	
8123	*02	*02	*15(B62)	*35	*01	*04							NGS	
8137							*02:01	*02:06	*15:15	*35:01	*01:02	*04:01	RT-PCR	
													SBT	