

B-CELL LINE EXCHANGE #314 DECEMBER 10, 2024

B-cell Line	627- 628
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The results for B-cell Line Exchange #314 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 appreciation to **Welsh Blood Service, Pontyclun** and **University Hospital of Geneva** for generously sharing 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-627. The reported HLA type for this cell from a Caucasian donor was as follows:

HLA-A		HLA-B		HLA-C	
*02:01	*02:01	*40:02	*44:02	*02:02	*05:01

DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
*08:16	*13:01	3*01:01		*01:03	*04:01	*04:02	*06:03	*01:03	*01:03	*02:01	*04:01

One likely association present in this cell was A*02:01-B*44:02-DRB1*13:01-DQB1*06:03, observed commonly in Caucasians, with HF = 0.00550. The other likely association present was A*02:01-B*40:02-DRB1*08:16-DQB1*04:02. The DRB1*08:16-DQB1*04:02 association present in this cell was also observed, in ML0273, a reference cell for DRB1*08:16.

This cell is 24131, one of the reference cells for DRB1*08:16. It was examined in the Exchange as Ter 555 (2018), Ter 474 (2012), Ter 443 (2010), Ter 369 (2006), and extract #581 (2013). In this present retyping, DRB1*08:16 was assigned by 100% of labs reporting at high resolution. DRB1*13:01 (100%) was assigned as the second DRB1 type. Good agreement (> 80%) was also achieved for all other allele assignments.

Ter-628. The reported HLA type for this cell from a donor of African American descent was as follows:

HLA-A		HLA-B		HLA-C	
*30:09	*80:01	*07:02	*81:01	*07:02	*18:02

DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03	*01:03	*18:01	*104:01

One possible association present in this cell was A*80:01-B*07:02-DRB1*13:01. The association of A*80:01-B*07:02 is observed exclusively in African American populations, with HF = 0.00051. The other likely association present was A*30:09-B*81:01-DRB1*15:03. This same association was observed in NT01555, a reference cell for A*30:09:01:01.

This cell was examined multiple times in the Exchange as Ter 529 (2016), extract #530 (2011), extract #329 (2005), and extract #261 (2003). In this present retyping, A*30:09 was once again reported in complete consensus, with 9 labs assigning A*30:09:01. Meanwhile, the assignment of the C*18 subtype improved, with 96% of labs assigning C*18:02, compared to an assignment of only 59% in 2016.

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Table 1: Summary of the 314th B-cell Line Exchange

Ter-627												
DNA Typing - class II	27 labs High; 19 labs low-DRB1	%(n)			22 labs High; 17 labs Low-DQA1	%(n)	27 labs High; 18 labs Low-DQB1	%(n)	22 labs High; 10 labs Low-DPA1	%(n)	27 labs High; 10 labs Low-DPB1	%(n)
	DRB1*08:16	100(27)			DQA1*01:03:01	27(6)	DQB1*04:02:01:04	4(1)	DPA1*01:03:01	23(5)	DPB1*02:01:02	26(7)
	DRB1*08	95(18)			DQA1*01:03	73(16)	DQB1*04:02:01	22(6)	DPA1*01:03:01G	9 (2)	DPB1*02:01:02G	15(4)
	<i>DRB1*15</i>	5 (1)			DQA1*01	100(17)	DQB1*04:02:01G	11(3)	DPA1*01:03P	4 (1)	DPB1*02:01P	7 (2)
							DQB1*04:02P	4 (1)	DPA1*01:03	64(14)	DPB1*02:01	52(14)
							DQB1*04:02	59(16)	DPA1*01	100(10)	DPB1*02(DP201)	50(5)
							DQB1*04	94(17)			DPB1*02	40(4)
							<i>DQB1*03(DQ7)</i>	6 (1)			<i>DPB1*03</i>	10(1)
	DNA Typing - class I	26 labs High; 20 labs low-A	%(n)	26 labs High; 20 labs low- B	%(n)	26 labs High; 19 labs low- C	%(n)					27 labs High; 10 labs Low-DPB1
A*02:01:01:01		4 (1)	B*40:02:01	35(9)	C*02:02:02:01	4 (1)	27 labs High; 18 labs Low-DQB1	%(n)			DPB1*04:01:01	30(8)
A*02:01:01		31(8)	B*40:02P	4 (1)	C*02:02:02	31(8)	DQB1*06:03:01:01	4(1)			DPB1*04:01:01G	11(3)
A*02:01P		4 (1)	B*40:02	62(16)	C*02:02P	4 (1)	DQB1*06:03:01	22(6)			DPB1*04:01P	7 (2)
A*02:01		61(16)	B*40(B61)	45(9)	C*02:02	61(16)	DQB1*06:03:01G	11(3)			DPB1*04:01	52(14)
A*02		95(19)	B*40	50(10)	C*02	95(18)	DQB1*06:03P	4 (1)			DPB1*04(DP401)	50(5)
A*30		5 (1)	B*07	5 (1)	C*07	5 (1)	DQB1*06:03	59(16)			DPB1*04	40(4)
							DQB1*06	100(18)			<i>DPB1*18</i>	10(1)

Table 2: Summary of the 314th B-cell Line Exchange

Ter-628

DNA Typing - class II		27 labs High; 19 labs low-DRB1		22 labs High; 10 labs Low-DRB3/4/5		22 labs High; 17 labs Low-DQA1		27 labs High; 18 labs Low-DQB1		22 labs High; 10 labs Low-DPA1		27 labs High; 11 labs Low-DPB1	
DNA Typing - class II	DRB1*13:01:01	26(7)	%(n)	DRB3*01:01:02	14(3)	DQA1*01:02:01	27(6)	DQB1*03:01:01	26(7)	DPA1*01:03:01	23(5)	DPB1*18:01:01	30(8)
	DRB1*13:01:01G	11(3)		DRB3*01:01:02G	4 (1)	DQA1*01:02	73(16)	DQB1*03:01:01G	11(3)	DPA1*01:03:01G	9 (2)	DPB1*18:01:01G	11(3)
	DRB1*13:01P	4 (1)		DRB3*01:01P	14(3)	DQA1*01	100(17)	DQB1*03:01P	4 (1)	DPA1*01:03P	4 (1)	DPB1*18:01	59(16)
	DRB1*13:01	59(16)		DRB3*01:01	68(15)			DQB1*03:01	59(16)	DPA1*01:03	64(14)	DPB1*18	91(10)
	DRB1*13	100(19)		DRB3*01	90(9)			DQB1*03(DQ7)	50(9)	DPA1*01	100(10)	DPB1*04(DP401)	9 (1)
				DRB3*PRESENT	10(1)			DQB1*03	44(8)				
								DQB1*04	6 (1)				
DNA Typing - class I	DRB1*15:03:01	26(7)	%(n)	DRB5*01:01:01	18(4)	DQA1*05:05:01	27(6)	DQB1*06:02:01	26(7)			DPB1*104:01:01	30(8)
	DRB1*15:03:01G	11(3)		DRB5*01:01:01G	4 (1)	DQA1*05:01:01G	5 (1)	DQB1*06:02:01G	11(3)			DPB1*104:01	51(14)
	DRB1*15:03P	7 (2)		DRB5*01:01P	4 (1)	DQA1*05:05	68(15)	DQB1*06:02P	4 (1)			DPB1*03:01:01G	11(3)
	DRB1*15:03	56(15)		DRB5*01:01	73(16)	DQA1*05	94(16)	DQB1*06:02	59(16)			DPB1*03:01P	4 (1)
	DRB1*15	95(18)		DRB5*01	90(9)	DQA1*04	6 (1)	DQB1*06	100(18)			DPB1*03:01	4 (1)
	DRB1*08	5 (1)		DRB5*PRESENT	10(1)							DPB1*03	55(6)
												DPB1*104	36(4)
												DPB1*02(DP201)	9 (1)
DNA Typing - class I	A*30:09:01:01	8 (2)	%(n)	B*07:02:01	35(9)	C*07:02:01:01	4 (1)						
	A*30:09:01	27(7)		B*07:02P	4 (1)	C*07:02:01	31(8)						
	A*30:09	65(17)		B*07:02	61(16)	C*07:02P	4 (1)						
	A*30	95(19)		B*07	95(19)	C*07:02	61(16)						
	A*02	5 (1)		B*40(B61)	5 (1)	C*07	95(18)						
						C*02	5 (1)						
DNA Typing - class I	A*80:01:01:02	8 (2)	%(n)	B*81:01:01:01	8 (2)	C*18:02:01:01	8 (2)						
	A*80:01:01G	8 (2)		B*81:01:01	27(7)	C*18:02:01	27(7)						
	A*80:01:01	23(6)		B*81:01P	4 (1)	C*18:01P	4 (1)						
	A*80:01	61(16)		B*81:01	61(16)	C*18:02	61(16)						
	A*80	95(19)		B*81	95(19)	C*18	95(18)						
	A*02	5 (1)		B*44	5 (1)	C*05	5 (1)						

Table 3a: Individual laboratory results for B-cell #627 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
725	*08	*13	3*01		*01	*04	*04	*06					SSO	
747	*08	*13	3*PRESENT		*01	*04	*04	*06	*01	*01	*02	*04	SSP SSO NGS	
771	*08	*13			*01	*04	*04	*06					SSO NGS	
792	*08	*13	3*01	NP	*01	*04	*04	*06	*01	*01	*02	*04	SSO NGS	
793	*08	*13	3*01		*01	*04	*04	*06	*01	*01	*02(DP201)	*04(DP401)	RT-PCR	
794	*08	*13	3*01		*01	*04	*04	*06	*01		*02	*04	SSP SSO NGS F	
2400	*08	*13	3*01		*01	*04	*04	*06	*01		*02(DP201)	*04(DP401)	SSO NGS	
2847	*08	*13											SSO	
3519	*08	*13	3*01		*01	*04	*04	*06	*01		*02(DP201)	*04(DP401)	SSP NGS	
3753	*15	*13	3*01	5*01	*01	*05	*03(DQ7)	*06	*01		*03	*18	SSO	
3966	NT												SSP SSO RT-PCR	
5130	*08	*13	3*01	3*01	*01	*04	*04	*06	*01	*01	*02	*04	SSO NGS RT-PCR	
5214	*08	*13	3*01		*01	*04	*04	*06	*01		*02(DP201)	*04(DP401)	RT-PCR	
5219	*08	*13			*01	*04	*04	*06					SSO NGS	
6649	*08	*13					*04	*06					SSO	
8029	*08	*13			*01	*04	*04	*06						
8043	*08	*13			*01	*04	*04	*06					SSP SSO NGS	
8058	*08	*13	NT	NT	*01	*04	*04	*06	NT	NT	NT	NT		
8068	*08	*13			*01	*04	*04	*06					SSO	
8123	*08	*13	3*01		*01	*04	*04	*06	*01	*01	*02(DP201)	*04(DP401)	RT-PCR	

Table 3b: Individual laboratory results for B-cell #627 - Class II

High resolution														
Center	DRB1	DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles	
230	*08:16	*13:01	3*01:01	3*01:01	*01:03	*04:01	*04:02	*06:03	*01:03	*01:03	*02:01	*04:01	NGS	
747	*08:16	*13:01:01	3*01:01		*01:03:01	*04:01:01	*04:02:01	*06:03:01	*01:03:01	*01:03:01	*02:01:02	*04:01:01	SSP SSO NGS	
762	*08:16	*13:01	3*01:01		*01:03	*04:01	*04:02	*06:03	*01:03		*02:01	*04:01	NGS	
771	*08:16	*13:01					*04:02	*06:03			*02:01	*04:01	SSO NGS	
792	*08:16	*13:01	3*01:01	NP	*01:03	*04:01	*04:02	*06:03	*01:03	*01:03	*02:01	*04:01	SSO NGS	
794	*08:16	*13:01:01	3*01:01		*01:03:01	*04:01:01	*04:02:01	*06:03:01	*01:03:01		*02:01:02	*04:01:01	SSP SSO NGS	
2344	*08:16	*13:01:01G					*04:02:01G	*06:03:01G			*02:01:02G	*04:01:01G	NGS	
2400	*08:16	*13:01	3*01:01		*01:03	*04:01	*04:02	*06:03	*01:03		*02:01:02G	*04:01:01G	SSO NGS	
3135	*08:16	*13:01P	3*01:01		*01:03	*04:01	*04:02P	*06:03P	*01:03		*02:01P	*04:01P		
3224	*08:16	*13:01	3*01:01P		*01:03	*04:01	*04:02	*06:03	*01:03		*02:01P	*04:01P	NGS	
3511	*08:16	*13:01	3*01:01	NP	*01:03	*04:01	*04:02	*06:03	*01:03		*02:01	*04:01	NGS	
3519	*08:16	*13:01	3*01:01P		*01:03	*04:01	*04:02	*06:03	*01:03		*02:01	*04:01	SSP NGS	DRB3*01:01 DRB3*01:62
3966	*08:16	*13:01	3*01:01		*01:03	*04:01	*04:02	*06:03	*01:03	*01:03	*02:01	*04:01	SSP SSO RT-PCR	
4251	*08:16	*13:01:01G	3*01:01:02G		*01:03	*04:01	*04:02:01G	*06:03:01G	*01:03:01G	*01:03:01G	*02:01	*04:01	NGS	
4337	*08:16	*13:01					*04:02	*06:03			*02:01	*04:01	SSP SBT NGS	
5130	*08:16	*13:01	3*01:01	3*01:01	*01:03	*04:01	*04:02	*06:03	*01:03	*01:03	*02:01:02G	*04:01:01G	SSO NGS RT-PCR	
5133	*08:16	*13:01:01	3*01:01:02		*01:03:01	*04:01:01	*04:02:01	*06:03:01	*01:03:01		*02:01:02	*04:01:01	NGS	
5219	*08:16	*13:01:01					*04:02:01	*06:03:01			*02:01:02	*04:01:01	SSO NGS	
5451	*08:16	*13:01:01	3*01:01:02		*01:03:01	*04:01:01	*04:02:01	*06:03:01	*01:03:01		*02:01:02	*04:01:01	SBT NGS	
5462	*08:16	*13:01	3*01:01	NP	*01:03	*04:01	*04:02	*06:03	*01:03		*02:01	*04:01	NGS	
5488	*08:16	*13:01:01	3*01:01:02		*01:03:01	*04:01:01	*04:02:01	*06:03:01	*01:03:01		*02:01:02	*04:01:01	SSO NGS	
8001	*08:16	*13:01	3*01:01		*01:03	*04:01	*04:02	*06:03	*01:03		*02:01	*04:01		
8029	*08:16	*13:01:01G					*04:02:01G	*06:03:01G			*02:01:02G	*04:01:01		
8038	*08:16	*13:01:01	3*01:01:02	NP	*01:03:01	*04:01:01	*04:02:01:04	*06:03:01:01	*01:03P		*02:01:02	*04:01:01	NGS	
8043	*08:16	*13:01	3*01:01		*01:03	*04:01	*04:02	*06:03	*01:03		*02:01	*04:01	SSP SSO NGS	
8122	*08:16	*13:01	3*01:01	NP	*01:03	*04:01	*04:02	*06:03	*01:03	*01:03	*02:01	*04:01	NGS	
8137	*08:16	*13:01	3*01:01	NP	*01:03	*04:01	*04:02	*06:03	*01:03:01G	*01:03:01G	*02:01	*04:01	SBT	

Table 4: Individual laboratory results for B-cell #627 - 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	*02:01	*40:02	*44:02	*02:02	*05:01	NGS	
725	*02		*40(B61)	*44	*02	*05							SSO	
747	*02	*02	*40	*44	*02	*05	*02:01:01	*02:01:01	*40:02:01	*44:02:01	*02:02:02	*05:01:01	SSP SSO NGS	
762							*02:01		*40:02	*44:02	*02:02	*05:01	NGS	
771	*02	*02	*40	*44	*02	*04	*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	SSO NGS	
792	*02	*02	*40(B61)	*44	*02	*05	*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	SSO NGS	
793	*02	*02	*40(B61)	*44	*02	*05							RT-PCR	
794	*02		*40	*44	*02	*05	*02:01:01		*40:02:01	*44:02:01	*02:02:02	*05:01:01	SSP SSO NGS	
2344							*02:01:01	*02:01:01	*40:02:01	*44:02:01	*02:02:02	*05:01:01	RT-PCR	
2400	*02		*40(B61)	*44	*02	*05	*02:01		*40:02	*44:02	*02:02	*05:01	NGS	
2847	*02		*40	*44	*02	*05							SSO NGS	
3135													SSO	
3224							*02:01P		*40:02P	*44:02P	*02:02P	*05:01P		
3511							*02:01		*40:02	*44:02	*02:02	*05:01	NGS	
3519	*02		*40(B61)	*44	*02	*05	*02:01		*40:02	*44:02	*02:02	*05:01	NGS	DRB3*01:01
3753	*30	*80	*07	*81	*07	*18							SSP NGS	DRB3*01:62
3966	*02	*02	*40(B61)	*44	*02	*05							SSO	
4251							*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	SSP SSO	
4337							*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	RT-PCR	
5130	*02	*02	*40	*44	*02	*05	*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	NGS	
5133							*02:01:01:01		*40:02:01	*44:02:01:01	*02:02:02:01	*05:01:01:45	SSP SSO	
5214	*02		*40(B61)	*44	*02	*05							RT-PCR	
5219	*02	*02	*40	*44	*02	*05	*02:01:01	*02:01:01	*40:02:01	*44:02:01	*02:02:02	*05:01:01	SSO NGS	
5451							*02:01:01		*40:02:01	*44:02:01	*02:02:02	*05:01:01	SSP SBT NGS	
5462							*02:01		*40:02	*44:02	*02:02	*05:01	SSO NGS	
5488							*02:01:01		*40:02:01	*44:02:01	*02:02:02	*05:01:01	RT-PCR	
6649	*02	*02	*40(B61)	*44									SSO	
8001							*02:01		*40:02	*44:02	*02:02	*05:01		
8029	*02	*02	*40	*44	*02	*05	*02:01:01	*02:01:01	*40:02:01	*44:02:01	*02:02:02	*05:01:01		
8038							*02:01:01		*40:02:01	*44:02:01	*02:02:02	*05:01:01	NGS	
8043	*02		*40	*44	*02	*05	*02:01		*40:02	*44:02	*02:02	*05:01	SSP SSO NGS	
8058	*02	*02	*40	*44	*02	*05								
8068	*02	*02	*40	*44	*02	*05							SSO	
8122							*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	SSO	
8123	*02	*02	*40(B61)	*44	*02	*05							NGS	
8137							*02:01	*02:01	*40:02	*44:02	*02:02	*05:01	RT-PCR	
													SSO	

Table 5a: Individual laboratory results for B-cell #628 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB*01		DPA1		DPB1		METHOD	Other Alleles
725	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06					SSO	
747	*13	*15	3*PRESENT	5*PRESENT	*01	*05	*03(DQ7)	*06	*01	*01	*18	*03	SSP SSO NGS	
771	*13	*15			*01	*05	*03	*06			*18	*104	SSO NGS	
792	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06	*01	*01	*18	*03	SSO NGS	
793	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06	*01	*01	*18	*03	RT-PCR	
794	*13	*15	3*01	5*01	*01	*05	*03	*06	*01		*18	*104	SSP SSO NGS RT-PCR	
2400	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06	*01		*18	*03	SSO NGS	
2847	*13	*15											SSO	
3519	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06	*01		*18	*03	SSP NGS	
3753	*13	*08	3*01		*01	*04	*04	*06	*01		*04(DP401)	*02(DP201)	SSO	
3966	NT												SSP SSO RT-PCR	
5130	*13	*15	3*01	5*01	*01	*05	*03	*06	*01	*01	*18	*104	SSO NGS RT-PCR	
5214	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06	*01		*18	*03	RT-PCR	
5219	*13	*15			*01	*05	*03	*06					SSO NGS	
6649	*13	*15					*03(DQ7)	*06					SSO	
8029	*13	*15			*01	*05	*03	*06						
8043	*13	*15			*01	*05	*03	*06					SSP SSO NGS	
8058	*13	*15	NT	NT	*01	*05	*03	*06	NT	NT	NT	NT		
8068	*13	*15			*01	*05	*03	*06					SSO	
8123	*13	*15	3*01	5*01	*01	*05	*03(DQ7)	*06	*01	*01	*18	*104	RT-PCR	

Table 5b: Individual laboratory results for B-cell #628 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03	*01:03	*18:01	*104:01	NGS	
747	*13:01:01	*15:03:01	3*01:01	5*01:01	*01:02:01	*05:05:01	*03:01:01	*06:02:01	*01:03:01	*01:03:01	*18:01:01	*104:01:01	SSP SSO NGS	
762	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*104:01	NGS	
771	*13:01	*15:03					*03:01	*06:02			*18:01	*104:01	SSO NGS	
792	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03	*01:03	*18:01	*104:01	SSO NGS	
794	*13:01:01	*15:03:01	3*01:01	5*01:01	*01:02:01	*05:05:01	*03:01:01	*06:02:01	*01:03:01		*18:01:01	*104:01:01	SSP SSO NGS	
2344	*13:01:01G	*15:03:01G					*03:01:01G	*06:02:01G			*18:01:01G	*03:01:01G	NGS	
2400	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01:01G	*03:01:01G	SSO NGS	DRB1*15:185 DQB1*03:276N DQB1*03:454
3135	*13:01P	*15:03P	3*01:01	5*01:01	*01:02	*05:01:01G	*03:01P	*06:02P	*01:03		*18:01:01	*104:01:01		
3224	*13:01	*15:03	3*01:01P	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*03:01P	NGS	
3511	*13:01	*15:03	3*01:01	5*01:01P	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*104:01	NGS	
3519	*13:01	*15:03P	3*01:01P	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*104:01	SSP NGS	DRB1*15:03 DRB1*15:185 DRB3*01:01 DRB3*01:62
3966	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03	*01:03	*18:01	*03:01	SSP SSO RT-PCR	DQA1*05:09 DPB1*104:01
4251	*13:01:01G	*15:03:01G	3*01:01:02G	5*01:01:01G	*01:02	*05:05	*03:01:01G	*06:02:01G	*01:03:01G	*01:03:01G	*18:01	*104:01	NGS	
4337	*13:01	*15:03					*03:01	*06:02			*18:01	*104:01	SSP SBT NGS	
5130	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03	*01:03	*18:01	*104:01	SSO NGS RT-PCR	
5133	*13:01:01	*15:03:01	3*01:01:02	5*01:01:01	*01:02:01	*05:05:01	*03:01:01	*06:02:01	*01:03:01		*18:01:01	*104:01:01	NGS	
5219	*13:01:01	*15:03:01					*03:01:01	*06:02:01			*18:01:01	*104:01:01	SSO NGS	
5451	*13:01:01	*15:03:01	3*01:01:02	5*01:01:01	*01:02:01	*05:05:01	*03:01:01	*06:02:01	*01:03:01		*18:01:01	*104:01:01	SBT NGS	
5462	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*104:01	NGS	
5488	*13:01:01	*15:03:01	3*01:01:02	5*01:01:01	*01:02:01	*05:05:01	*03:01:01	*06:02:01	*01:03:01		*18:01:01	*104:01:01	SSO NGS	
8001	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*104:01		
8029	*13:01:01G	*15:03:01G					*03:01:01G	*06:02:01G			*18:01:01G	*03:01:01G		
8038	*13:01:01	*15:03:01	3*01:01P	5*01:01:01	*01:02:01	*05:05:01	*03:01:01	*06:02:01	*01:03P		*18:01:01	*104:01:01	NGS	
8043	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03		*18:01	*104:01	SSP SSO NGS	
8122	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03	*01:03	*18:01	*104:01	NGS	
8137	*13:01	*15:03	3*01:01	5*01:01	*01:02	*05:05	*03:01	*06:02	*01:03:01G	*01:03:01G	*18:01	*104:01	SBT	

Table 6: Individual laboratory results for B-cell #628 - Class I

Low resolution							High resolution							
Center	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C		METHOD	Other Alleles
230							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
725	*30	*80	*07	*81	*07	*18							SSO	
747	*30	*80	*07	*81	*07	*18	*30:09:01	*80:01:01	*07:02:01	*81:01:01	*07:02:01	*18:02:01	SSP SSO NGS	
762							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
771	*30	*80	*07	*81	*07	*18	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSO NGS	
792	*30	*80	*07	*81	*07	*18	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSO NGS	
793	*30	*80	*07	*81	*07	*18							RT-PCR	
794	*30	*80	*07	*81	*07	*18	*30:09:01	*80:01:01	*07:02:01	*81:01:01	*07:02:01	*18:02:01	SSP SSO NGS RT-PCR	
2344							*30:09:01	*80:01:01	*07:02:01	*81:01:01	*07:02:01	*18:02:01	NGS	
2400	*30	*80	*07	*81	*07	*18	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSO NGS	DRB1*15:185 DQB1*03:276N DQB1*03:454
2847	*30	*80	*07	*81	*07	*18							SSO	
3135							*30:09:01:01	*80:01:01G	*07:02P	*81:01P	*07:02P	*18:01P		
3224							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
3511							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
3519	*30	*80	*07	*81	*07	*18	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSP NGS	DRB1*15:03 DRB1*15:185 DRB3*01:01 DRB3*01:62
3753	*02		*40(B61)	*44	*02	*05							SSO	
3966	*30	*80	*07	*81	*07	*18							SSP SSO RT-PCR	DQA1*05:09 DPB1*104:01
4251							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
4337							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSP SBT NGS	
5130	*30	*80	*07	*81	*07	*18	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSO NGS RT-PCR	
5133							*30:09:01:01	*80:01:01:02	*07:02:01	*81:01:01:01	*07:02:01:01	*18:02:01:01	NGS	
5214	*30	*80	*07	*81	*07	*18							RT-PCR	
5219	*30	*80	*07	*81	*07	*18	*30:09:01	*80:01:01	*07:02:01	*81:01:01	*07:02:01	*18:02:01	SSO NGS	
5451							*30:09:01	*80:01:01	*07:02:01	*81:01:01	*07:02:01	*18:02:01	SBT NGS	
5462							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
5488							*30:09:01	*80:01:01	*07:02:01	*81:01:01	*07:02:01	*18:02:01	SSO NGS	
6649	*30	*80	*07	*81									SSO	
8001							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02		
8029	*30	*80	*07	*81	*07	*18	*30:09:01	*80:01:01G	*07:02:01	*81:01:01	*07:02:01	*18:02:01		
8038							*30:09	*80:01:01:02	*07:02:01	*81:01:01:01	*07:02:01	*18:02:01:01	NGS	
8043	*30	*80	*07	*81	*07	*18	*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SSP SSO NGS	
8058	*30	*80	*07	*81	*07	*18								
8068	*30	*80	*07	*81	*07	*18							SSO	
8122							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	NGS	
8123	*30	*80	*07	*81	*07	*18							RT-PCR	
8137							*30:09	*80:01	*07:02	*81:01	*07:02	*18:02	SBT	