

B-CELL LINE EXCHANGE #304

APRIL 1, 2023

B-cell Line 607 - 608

The results for B-cell Line Exchange #304 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 6. We are grateful to the generosity of **Fred Hutchinson Cancer Research Center, Seattle**, and **Welsh Blood Service, Pontyclun** for donating valuable reference cells 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-607. The reported HLA type for this cell from a donor of unknown ethnic origin is:

HLA-A		HLA-B		HLA-C	
*02:01	*11:01	*38:02	*41:01	*07:02	*17:01

DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
*11:01	*15:04	B3*02:02	B5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01

One likely association present in this cell is A*11:01-B*38:02-DRB1*11:01-DQB1*03:01, observed exclusively in Asians, with HF = 0.00055. The other likely association present may be A*02:01-B*41:01-DRB1*15:04-DQB1*05:02. The DRB1*15:04-DQB1*05:02 association present in this cell is also observed in KB143UK, a reference cell for DRB1*15:04.

This cell is FH45. It was examined in the 13th Workshop as IHW9433 and in the Exchange as Ter 390 (2007) and Ter 339 (2004). In this present retyping, 96% of labs assigned DQA1*05:09. This is an update from the 2007 typing in which 29% of labs assigned DQA1*05:05 and 43% assigned DQA1*05:05/09. Good agreement ($\geq 90\%$) was also achieved for all other allele assignments.

References:

1. Street J, Hammond L, Downing J, et al. A further example of HLA-B*2712. British Society for Histocompatibility and Immunogenetics. Abstracts of papers presented at the Thirteenth Annual BSHI Conference, Glasgow. Eur J Immunogenet 2002;29:351:2.11.

Ter-608. The reported HLA type for this cell from a Caucasian donor is:

HLA-A		HLA-B		HLA-C	
*02:01	*03:01	*27:12	*49:01	*02:02	*15:02

DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1	
*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01

An offspring of this cell was examined as extract 571. Combining Exchange data and data from a family study (1), the haplotypes present in this cell are determined to be A*02:01-B*27:12-C*02:02-DRB1*15:01-DQB1*06:02 and A*03:01-B*49:01-C*15:02-DRB1*01:01-DQB1*05:01.

This cell is 38253, one of the reference cells for B*27:12. It was previously examined in the class I DNA Extract Exchange as extract 346 (2006). In this present retyping, B*27:12 was assigned by 100% of labs reporting at high resolution. Good agreement ($\geq 90\%$) was also achieved for all other allele assignments.

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Table 1: Summary of the 304th B-cell Line Exchange

Ter-607																												
DNA Typing - class II	<u>29 labs High; 22 labs low-DRB1</u>			%(n)	<u>21 labs High; 17 labs Low-DRB3/4/5</u>			%(n)	<u>22 labs High; 18 labs Low-DQA1</u>			%(n)	<u>29 labs High; 21 labs Low-DQB1</u>			%(n)	<u>19 labs High; 11 labs Low-DPA1</u>			%(n)	<u>28 labs High; 12 labs Low-DPB1</u>			%(n)				
	DRB1*11:01:01			24(7)	DRB3*02:02:01			19(4)	DQA1*01:02:01			27(6)	DQB1*03:01:01			17(5)	DPA1*01:03:01			32(6)	DPB1*04:01:01			21(6)				
	DRB1*11:01:01G			10(3)	DRB3*02:02:01G			10(2)	DQA1*01:02			73(16)	DQB1*03:01:01G			17(5)	DPA1*01:03:01G			5 (1)	DPB1*04:01:01G			21(6)				
	DRB1*11:01			66(19)	DRB3*02:02P			5(1)	DQA1*01			100(18)	DQB1*03:01			66(19)	DPA1*01:03			63(12)	DPB1*04:01P			4 (1)				
	DRB1*11			100(22)	DRB3*02:02			66(14)					DQB1*03(DQ7)			52(11)	DPA1*01			100(11)	DPB1*04:01			54(15)				
					DRB3*PRESENT			12(2)					DQB1*03			48(10)					DPB1*04(DP401)			58(7)				
					DRB3*02			88(15)													DPB1*04			42(5)				
DNA Typing - class I	<u>27 labs High; 21 labs low- A</u>			%(n)	<u>27 labs High; 21 labs low- B</u>			%(n)	<u>27 labs High; 20 labs low- C</u>			%(n)	<u>27 labs High; 20 labs low- DQA1</u>			%(n)	<u>29 labs High; 21 labs Low-DQB1</u>			%(n)	<u>19 labs High; 11 labs Low-DPA1</u>			%(n)	<u>28 labs High; 12 labs Low-DPB1</u>			%(n)
	A*02:01:01:01			4 (1)	B*38:02:01			33(9)	C*07:02:01:01			4 (1)	DQA1*05:09:01			23(5)	DQB1*05:02:01			17(5)	DPA1*02:01:01			32(6)	DPB1*13:01:01			21(6)
	A*02:01:01			29(8)	B*38:02:01G			4 (1)	C*07:02:01			29(8)	DQA1*05:01P			4 (1)	DQB1*05:02:01G			10(3)	DPA1*02:01			68(13)	DPB1*13:01:01G			25(7)
	A*02:01:01G			4 (1)	B*38:02P			4 (1)	C*07:02:01G			4 (1)	DQA1*05:09			73(16)	DQB1*05:02P			3 (1)	DPA1*02:01			68(13)	DPB1*13:01:01P			11(3)
	A*02:01P			4 (1)	B*38:02			59(16)	C*07:02P			4 (1)	DQA1*05:09			73(16)	DQB1*05:02P			3 (1)	DPA1*02:01			68(13)	DPB1*13:01:01G			25(7)
	A*02:01			59(16)	B*38			100(21)	C*07:02			59(16)	DQA1*05			100(18)	DQB1*05:02			69(20)	DPA1*02			100(11)	DPB1*13:01P			11(3)
	A*02			100(21)					C*07			100(20)					DQB1*05			100(21)				DPB1*13:01			43(12)	
																								DPB1*13			100(12)	

Table 2: Summary of the 304th B-cell Line Exchange

Ter-608

DNA Typing - class II	29 labs High; 22 labs low-DRB1		%(n)	22 labs High; 16 labs Low-DRB3/4/5		%(n)	21 labs High; 17 labs Low-DQA1		%(n)	29 labs High; 21 labs Low-DQB1		%(n)	18 labs High; 11 labs Low-DPA1		%(n)	28 labs High; 12 labs Low-DPB1		%(n)
	DRB1*01:01:01	21(6)		DRB5*01:01:01	23(5)		DQA1*01:01:01	29(6)		DQB1*05:01:01	17(5)		DPA1*01:03:01	33(6)		DPB1*02:01:02	21(6)	
	DRB1*01:01:01G	17(5)		DRB5*01:01:01G	9 (2)		DQA1*01:01P	4 (1)		DQB1*05:01:01G	17(5)		DPA1*01:03:01G	6 (1)		DPB1*02:01:02G	14(4)	
	DRB1*01:01P	7 (2)		DRB5*01:01P	9 (2)		DQA1*01:01	67(14)		DQB1*05:01	66(19)		DPA1*01:03	61(11)		DPB1*02:01P	4 (1)	
	DRB1*01:01	55(16)		DRB5*01:01	59(13)		DQA1*01	100(17)		DQB1*05	100(21)		DPA1*01	100(11)		DPB1*02:01	61(17)	
	DRB1*01	100(22)		DRB5*PRESENT	19(3)											DPB1*02(DP201)	50(6)	
				DRB5*01	81(13)											DPB1*02	50(6)	
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Table 3a: Individual laboratory results for B-cell #607 - Class II

	Low resolution													
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
278	*11	*15	3*02	5*01	*01	*05	*03	*05	*01	*02	*04	*13		
725	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05					SSO	
747	*11	*15	3*02	5*01	*01	*05	*03	*05	*01	*02	*04	*13	SSP SSO NGS	
771	*11	*15			*01	*05	*03	*05						
792	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSO NGS	
793	*11	*15	3*02	5*PRESENT	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSP	
794	*11	*15	3*02	5*01	*01	*05	*03	*05	*01	*02	*04	*13	SSP SSO NGS	
2400	*11	*15	3*02	5*01	*01	*05	*03	*05	NT	NT	*04	*13	RT-PCR	
2847	*11	*15											SSO	
3519	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSP NGS	
3966													RT-PCR	
4079	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSP RT-PCR	
5130	*11	*15	3*02	5*01	*01	*05	*03	*05			*04	*13	SSO	
5214	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSO NGS	
5219	*11	*15			*01	*05	*03	*05					RT-PCR	
5462	*11	*15	3*02	5*01	*01	*05	*03	*05	*01	*02			SSO NGS	
5488			3*02										RT-PCR	
5642	*11	*15	3*PRESENT	5*PRESENT			*03(DQ7)	*05					SSO	
6649	*11	*15					*03(DQ7)	*05					SSP SSO	
8038	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSO	
8043	*11	*15			*01	*05	*03	*05					SBT	
8058	*11	*15	3*PRESENT	5*PRESENT			*03	*05					SSP SSO NGS	
8068	*11	*15			*01	*05	*03(DQ7)	*05					SSP	
8123	*11	*15	3*02	5*01	*01	*05	*03(DQ7)	*05	*01	*02	*04(DP401)	*13	SSO	
													RT-PCR	

Table 3b: Individual laboratory results for B-cell #607 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01	NGS	
278	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01		
747	*11:01:01	*15:04	3*02:02:01	5*01:01:01	*01:02:01	*05:09	*03:01	*05:02	*01:03:01	*02:01:01	*04:01:01	*13:01:01	SSP SSO NGS	DQB1*03:297 DQB1*03:419 DQB1*05:241 DPB1*107:01
762	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01	SBT NGS	
771	*11:01	*15:04					*03:01	*05:02			*04:01	*13:01		
792	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01:01G	SSO NGS	DQB1*03:358N
793					*01:02	*05:09					*04:01	*13:01	SSP	
794	*11:01:01	*15:04	3*02:02	5*01:01:01	*01:02:01	*05:09:01	*03:01:01	*05:02:01	*01:03:01	*02:01:01	*04:01:01	*13:01:01	SSP SSO NGS RT-PCR	
2344	*11:01:01G	*15:04					*03:01:01G	*05:02:01G			*04:01:01G	*13:01:01G	NGS	
2400	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	NT	NT	*04:01:01G	*13:01:01G	SSO NGS	DQB1*03:419 DQB1*05:241 DQB1*03:297 DQB1*03:276N
3135	*11:01:01G	*15:04	3*02:02	5*01:01	*01:02	*05:01P	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01		
3224	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01P	*13:01P	NGS	
3511	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01	NGS	
3519	*11:01	*15:04	3*02:02P	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01P	SSP NGS RT-PCR	DRB3*02:02 DPB1*13:01 DPB1*107:01
3753	*11:01:01	*15:04	3*02:02:01	5*01:01:01	*01:02:01	*05:09:01	*03:01:01G	*05:02:01G	*01:03:01	*02:01:01	*04:01:01	*13:01:01G	NGS	
3966	*11:01	*15:04	3*02:02	5*01:01			*03:01	*05:02					SSP RT-PCR	
4251	*11:01	*15:04	3*02:02:01G	5*01:01:01G	*01:02	*05:09	*03:01:01G	*05:02:01G	*01:03:01G	*02:01	*04:01	*13:01:01G	NGS	
4337	*11:01	*15:04					*03:01	*05:02			*04:01	*13:01	SSP SBT NGS	
5130	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02			*04:01	*13:01	SSO NGS	
5133	*11:01:01	*15:04	3*02:02:01	5*01:01:01	*01:02:01	*05:09:01	*03:01:01	*05:02:01	*01:03:01	*02:01:01	*04:01:01	*13:01:01	NGS	
5219	*11:01:01	*15:04					*03:01:01	*05:02:01			*04:01:01	*13:01:01	SSO NGS	
5451	*11:01:01	*15:04	3*02:02:01	5*01:01P	*01:02:01	*05:09:01	*03:01:01	*05:02:01	*01:03:01	*02:01:01	*04:01:01	*13:01:01	NGS	
5488	*11:01:01	*15:04		5*01:01:01	*01:02:01	*05:09:01	*03:01:01	*05:02:01	*01:03:01	*02:01:01	*04:01:01G	*13:01:01	SSO NGS	DPB1*107:01
5642	*11:01	*15:04					*03:01	*05:02					SSP SSO	
8001	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01:01G	*13:01:01G	NGS	DQB1*03:454
8021	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01	SSO NGS	
8029	*11:01	*15:04					*03:01:01G	*05:02			*04:01:01G	*13:01:01G		

Table 3b: Individual laboratory results for B-cell #607 - Class II														
High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
8038	*11:01:01G	*15:04	3*02:02:01G	5*01:01:01G	NT	NT	*03:01:01G	*05:02P	NT	NT	*04:01:01G	*13:01P	SBT	DPB1*350:01 DPB1*178:01 DQB1*03:373 DQB1*03:428 DPB1*04:01:31 DPB1*13:01:05 DPB1*544:01 DPB1*1226:01 DPB1*133:01 DQB1*03:243
8043	*11:01	*15:04			*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01	SSP SSO NGS	
8122	*11:01	*15:04	3*02:02	5*01:01	*01:02	*05:09	*03:01	*05:02	*01:03	*02:01	*04:01	*13:01	NGS	DQB1*03:54

Table 4: Individual laboratory results for B-cell #607 - 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	*11:01	*38:02	*41:01	*07:02	*17:01	NGS	
278	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01		
725	*02	*11	*38	*41	*07	*17							SSO	
747	*02	*11	*38	*41	*07	*17	*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	SSP SSO NGS	
762							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SBT NGS	
771	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01		
792	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SSO NGS	A*02:01:01:02L
793	*02	*11	*38	*41	*07	*17							SSP	
													SSP SSO NGS	
794	*02	*11	*38	*41	*07	*17	*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	RT-PCR	
2344							*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	NGS	
2400	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SSO NGS	
2847	*02	*11	*38	*41	*07	*17							SSO	
3135							*02:01P	*11:01P	*38:02:01G	*41:01	*07:02P	*17:01P		
3224							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	NGS	
3511							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	NGS	
													SSP NGS	
3519	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	RT-PCR	
3753							*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	NGS	
3966	*02	*11	*38	*41	*07	*17							SSP RT-PCR	
4079	*02	*11	*38	*41	*07	*17							SSO	
4251							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	NGS	
4337							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SSP SBT NGS	
5130	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SSO NGS	
5133							*02:01:01:01	*11:01:01:07	*38:02:01	*41:01:01	*07:02:01:01	*17:01:01:05	NGS	
5214	*02	*11	*38	*41	*07	*17							RT-PCR	
5219	*02	*11	*38	*41	*07	*17	*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	SSO NGS	
5451							*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	NGS	
5462	*02	*11	*38	*41	*07	*17							RT-PCR	
5488							*02:01:01	*11:01:01	*38:02:01	*41:01:01	*07:02:01	*17:01:01	SSO NGS	
5642	*02	*11	*38	*41	*07	*17							SSP SSO	
6649	*02	*11	*38	*41									SSO	
8001							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	NGS	
8021							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SSO NGS	
8029							*02:01:01	*11:01:01:07	*38:02:01:01	*41:01:01:01	*07:02:01	*17:01:01:05		
														A*02:01:170 A*11:347N A*11:01:90
8038	*02	*11	*38	*41	*07	*17	*02:01:01G	*11:01P	*38:02P	*41:01P	*07:02:01G	*17:01P	SBT	
8043	*02	*11	*38	*41	*07	*17	*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	SSP SSO NGS	
8068	*02	*11	*38	*41	*07	*17							SSO	
8122							*02:01	*11:01	*38:02	*41:01	*07:02	*17:01	NGS	
8123	*02	*11	*38	*41	*07	*17							RT-PCR	

Table 5a: Individual laboratory results for B-cell #608 - Class II

	Low resolution													
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
278	*01	*15	5*01	NT	*01	*01	*05	*06	*01	*01	*02	*04		
725	*01	*15	5*01		*01		*05	*06					SSO	
747	*01	*15	5*01		*01	*01	*05	*06	*01	*01	*02	*04	SSP SSO NGS	
771	*01	*15			*01		*05	*06						
792	*01	*15	5*01		*01	*01	*05	*06	*01	*01	*02	*04(DP401)	SSO NGS	
793	*01	*15	5*PRESENT		*01	*01	*05	*06	*01		*02(DP201)	*04(DP401)	SSP	
794	*01	*15	5*01		*01		*05	*06	*01		*02	*04	SSP SSO NGS RT-PCR	
2400	*01	*15	5*01	NP	*01	*01	*05	*06	NT	NT	*02	*04	SSO NGS	
2847	*01	*15											SSO	
3519	*01	*15	5*01		*01		*05	*06	*01		*02(DP201)	*04(DP401)	SSP NGS RT-PCR	
3966													SSP RT-PCR	
4079	*01	*15	5*01		*01	*01	*05	*06	*01		*02(DP201)	*04(DP401)	SSO	
5130	*01	*15	5*01		*01	*01	*05	*06			*02	*04	SSO NGS	
5214	*01	*15	5*01		*01		*05	*06	*01		*02(DP201)	*04(DP401)	RT-PCR	
5219	*01	*15			*01	*01	*05	*06					SSO NGS	
5462	*01	*15	5*01	NP	*01		*05	*06	*01				RT-PCR	
5488	NT												SSO NGS	
5642	*01	*15	5*PRESENT				*05	*06					SSP SSO	
6649	*01	*15					*05	*06					SSO	
8038	*01	*15	5*01	NP	*01	*01	*05	*06	*01	*01	*02(DP201)	*04(DP401)	SBT	
8043	*01	*15					*05	*06					SSP SSO NGS	
8058	*01	*15	5*PRESENT				*05	*06					SSP	
8068	*01	*15			*01	*01	*05	*06					SSO	
8123	*01	*15	5*01		*01	*01	*05	*06	*01	*01	*02(DP201)	*04(DP401)	RT-PCR	

Table 5b: Individual laboratory results for B-cell #608 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03	*01:03	*02:01	*04:01	NGS	
278	*01:01	*15:01	5*01:01	NT	*01:01	*01:02	*05:01	*06:02	*01:03	*01:03	*02:01	*04:01		
747	*01:01:01	*15:01:01	5*01:01:01		*01:01:01	*01:02:01	*05:01	*06:02	*01:03:01	*01:03:01	*02:01:02	*04:01:01	SSP SSO NGS	DQB1*05:263
762	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01	SBT NGS	
771	*01:01	*15:01					*05:01	*06:02			*02:01	*04:01		
792	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03	*01:03	*02:01	*04:01	SSO NGS	DRB1*01:100
793					*01:01	*01:02					*02:01	*04:01	SSP	
794	*01:01:01	*15:01:01	5*01:01:01		*01:01:01	*01:02:01	*05:01:01	*06:02:01	*01:03:01		*02:01:02	*04:01:01	SSP SSO NGS RT-PCR	
2344	*01:01:01G	*15:01:01G					*05:01:01G	*06:02:01G			*02:01:02G	*04:01:01G	NGS	
2400	*01:01	*15:01	5*01:01	NP	*01:01	*01:02	*05:01	*06:02	NT	NT	*02:01:02G	*04:01:01G	SSO NGS	DQB1*05:263
3135	*01:01:01G	*15:01:01G	5*01:01		*01:01P	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01		
3224	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01	NGS	
3511	*01:01	*15:01	5*01:01P	NP	*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01	NGS	
3519	*01:01P	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01	SSP NGS RT-PCR	DRB1*01:100 DRB1*01:01
3753	*01:01:01	*15:01:01	5*01:01:01	NP	*01:01:01	*01:02:01	*05:01:01G	*06:02:01G	*01:03:01	*01:03:01	*02:01:02	*04:01:01	NGS	
3966	*01:01	*15:01	5*01:01				*05:01	*06:02					SSP RT-PCR	
4251	*01:01:01G	*15:01:01G	5*01:01:01G		*01:01	*01:02	*05:01:01G	*06:02:01G	*01:03:01G	*01:03:01G	*02:01	*04:01	NGS	
4337	*01:01	*15:01					*05:01	*06:02			*02:01	*04:01	SSP SBT NGS	
5130	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02			*02:01	*04:01	SSO NGS	
5133	*01:01:01	*15:01:01	5*01:01:01		*01:01:01	*01:02:01	*05:01:01	*06:02:01	*01:03:01		*02:01:02	*04:01:01	NGS	
5219	*01:01:01	*15:01:01					*05:01:01	*06:02:01			*02:01:02	*04:01:01	SSO NGS	
5451	*01:01:01	*15:01:01	5*01:01P		*01:01:01	*01:02:01	*05:01:01	*06:02:01	*01:03:01		*02:01:02	*04:01:01	NGS	
5488	*01:01:01G	*15:01:01G	5*01:01:01		*01:01:01	*01:02:01	*05:01:01	*06:02:01	*01:03:01		*02:01:02G	*04:01:01G	SSO NGS	
5642	*01:01	*15:01					*05:01	*06:02					SSP SSO	
8001	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01:01G	NGS	
8021	*01:01	*15:01	5*01:01		*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01	SSO NGS	
8029	*01:01:01G	*15:01:01G					*05:01:01G	*06:02:01G			*02:01:02G	*04:01:01G		
8038	*01:01P	*15:01:01G	5*01:01:01G	NP	NT	NT	*05:01:01G	*06:02:01G	NT	NT	*02:01P	*04:01:01G	SBT	DPB1*51:01:01 DPB1*71:01:01 DPB1*1226:01 DPB1*23:01:01 DPB1*105:01:01 DPB1*1072:01 DPB1*642:01 DQB1*05:223 DQB1*05:290 DPB1*796:01 DQB1*06:02:38 DQB1*06:02:54 DPB1*33:01:01+
8043	*01:01	*15:01:01G					*05:01	*06:02			*02:01	*04:01	SSP SSO NGS	
8122	*01:01	*15:01	5*01:01	NP	*01:01	*01:02	*05:01	*06:02	*01:03		*02:01	*04:01	NGS	

Table 6: Individual laboratory results for B-cell #608 - 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	*27:12	*49:01	*02:02	*15:02	NGS	
278	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02		
725	*02	*03	*27	*49	*02	*15							SSO	
747	*02	*03	*27	*49	*02	*15	*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	SSP SSO NGS	
762							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SBT NGS	
771	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02		
792	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SSO NGS	A*02:01:01:02L
793	*02	*03	*27	*49	*02	*15							SSP	
													SSP SSO NGS	
794	*02	*03	*27	*49	*02	*15	*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	RT-PCR	
2344							*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	NGS	
2400	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SSO NGS	
2847	*02	*03	*27	*49	*02	*15							SSO	
3135							*02:01P	*03:01P	*27:12:01	*49:01P	*02:02P	*15:02P		
3224							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	NGS	
3511							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	NGS	
													SSP NGS	
3519	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	RT-PCR	
3753							*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	NGS	
3966	*02	*03	*27	*49	*02	*15							SSP RT-PCR	
4079	*02	*03	*27	*49	*02	*15							SSO	
4251							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	NGS	
4337							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SSP SBT NGS	
5130	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SSO NGS	
5133							*02:01:01:01	*03:01:01:01	*27:12:01	*49:01:01:01	*02:02:02:01	*15:02:01:01	NGS	
5214	*02	*03	*27	*49	*02	*15							RT-PCR	
5219	*02	*03	*27	*49	*02	*15	*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	SSO NGS	
5451							*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	NGS	
5462	*02	*03	*27	*49	*02	*15							RT-PCR	
5488							*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01	SSO NGS	
5642	*02	*03	*27	*49	*02	*15							SSP SSO	
6649	*02	*03	*27	*49									SSO	
8001							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	NGS	
8021							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SSO NGS	
8029							*02:01:01	*03:01:01	*27:12:01	*49:01:01	*02:02:02	*15:02:01		
8038	*02	*03	*27	*49	*02	*15	*02:01:01G	*03:01:01G	*27:12:01	*49:01	*02:02P	*15:02:01G	SBT	C*15:219
8043	*02	*03	*27	*49	*02	*15	*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	SSP SSO NGS	
8068	*02	*03	*27	*49	*02	*15							SSO	
8122							*02:01	*03:01	*27:12	*49:01	*02:02	*15:02	NGS	
8123	*02	*03	*27	*49	*02	*15							RT-PCR	