

B-CELL LINE EXCHANGE #293

MAY 5, 2021

B-cell Line 585 - 586

The results for B-cell Line Exchange #293 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 Leiden University Medical Center, the Netherlands, for sharing the DRB1*04:15 reference cell examined in this study. We would like to also acknowledge and thank the labs performing

NGS for sharing their results and encourage other NGS labs to share their findings. Haplotype frequencies used in this report are from the NMDP Bioinformatics website, <https://bioinformatics.bethematchclinical.org/>.

Ter-585. The reported consensus type for this cell from a Caucasian donor was DRB1*01:01-DRB1*04:15-DRB4*01:03-DQA1*01:01-DQA1*03:01-DQB1*03:02-DQB1*05:01-DPA1*01:03-DPB1*04:02-A*01:01-A*24:02-B*08:01-B*35:02-C*04:01-C*07:01. This cell is the reference cell for DRB1*04:15, known as TER308. It was examined several times in the Exchange as Ter 394 (2007), Ter 308 (2002), and Ter 216 (1998). In this most recent examination of the cell, DRB1*04:15 was reported by 100% of labs reporting at high resolution. Good agreement (> 90%) was achieved for all other allele assignments as well.

One likely association present in this cell was B*35:02-C*04:01-DRB1*01:01-DQB1*05:01, observed in Caucasian, with HF = 0.00008. The other association present may then be B*08:01-C*07:01-DRB1*04:15-DQB1*03:02. The C*07:01-DRB1*04:15-DQB1*03:02 association in this cell was observed in another DRB1*04:15 reference cell, NIC. The cell NIC was examined in the Exchange as Ter 160 and Extract 073.

Ter-586 The reported consensus type for this cell from a Black donor was DRB1*03:01-DRB1*14:54-DRB3*01:01-DRB3*02:02-DQA1*01-DQA1*05:01-DQB1*02:01-DQB1*06:02-DPA1*01:03-DPB1*02:01-DPB1*04:01-A*01:01-A*36:01-B*08:01-B*53:01-C*04:01-C*07:01. This cell was previously examined as Ter 400 (2007) and Ter 120 (1993). In this present retyping, the subtype for DQA1*01 was not graded as consensus was < 90%. DQA1*01:05 was assigned by 17 labs, 2 labs assigned DQA1*01:04, and 1 lab assigned DQA1*01:01. DQA1*01:05:02 differs from DQA1*01:04 in exon 4 by a single nucleotide substitution at codon 199 (ACC → GCC), where threonine is replaced for alanine in DQA1*01:05:02. Agreement among labs for all remaining allele assignments was > 90%.

One likely association present in this cell was B*08:01-C*07:01-DRB1*03:01-DQB1*02:01. This association was observed commonly in African American populations, with HF = 0.02068. The other likely association present was then, B*53:01-C*04:01-DRB1*14:54-DQB1*06:02.

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Table 1: Summary of the 293rd B-cell Line Exchange

Ter-585

Ter-585																				
DNA Typing - class II	25 labs High; 23 labs low-DRB1		%(n)	16 labs High; 16 labs Low-DRB3/4/5		%(n)	21 labs High; 20 labs Low-DQA1		%(n)	25 labs High; 22 labs Low-DQB1		%(n)	16 labs High; 10 labs Low-DPA1		%(n)	25 labs High; 13 labs Low-DPB1		%(n)		
	DRB1*01:01:01	24(6)		DRB4*01:03:01	25(4)		DQA1*01:01:01	19(4)		DQB1*03:02:01	24(6)		DPA1*01:03:01	25(4)		DPB1*04:02:01	28(7)			
	DRB1*01:01P	8 (2)		DRB4*01:03	75(12)		DQA1*01:01	81(17)		DQB1*03:02P	4 (1)		DPA1*01:03:01G	6 (1)		DPB1*04:02:01G	8 (2)			
	DRB1*01:01	68(17)		DRB4*01	69(11)		DQA1*01	100(20)		DQB1*03:02	72(18)		DPA1*01:03	69(11)		DPB1*04:02	64(16)			
	DRB1*01	100(23)		DRB4*01(DR53)	6 (1)					DQB1*03(DQ8)	5 (1)		DPA1*01	100(10)		DPB1*04(DP402)	62(8)			
				DRB4*PRESENT	25(4)					DQB1*03	95(21)					DPB1*04	38(5)			
	DNA Typing - class I	19 labs High; 19 labs low- A		%(n)	19 labs High; 19 labs low- B		%(n)	19 labs High; 19 labs low- C		%(n)										
		A*01:01:01:01	5 (1)		B*08:01:01:01	5 (1)		C*04:01:01:06	5 (1)											
		A*01:01:01	26(5)		B*08:01:01	26(5)		C*04:01:01	26(5)											
		A*01:01P	5 (1)		B*08:01P	5 (1)		C*04:01:01G	5 (1)											
		A*01:01	63(12)		B*08:01	63(12)		C*04:01	63(12)											
		A*01	100(19)		B*08	100(19)		C*04	100(19)											

Table 3a: Individual laboratory results for B-cell #585 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
278	*01	*04	4*01	NT	*01	*03	*03	*05	*01	*01	*04	*04	SSP SSO	
725	*01	*04	4*PRESENT		*01	*03	*03	*05					SSP SSO	
747	*01	*04	4*PRESENT		*01	*03	*03	*05	*01	*01	*04	*04	SSP SSO NGS	
774	*01	*04	4*01		*01	*03	*03	*05			*04(DP402)		SSP SSO	
792	*01	*04	4*01		*01	*03	*03	*05	*01	*01	*04(DP402)	*04(DP402)	SSO NGS	
793	*01	*04	4*PRESENT		*01	*03	*03	*05			*04(DP402)		SSP	
794	*01	*04	4*01		*01	*03	*03	*05	*01		*04		SSP SSO NGS	
2400	*01	*04	4*01		*01	*03	*03	*05			*04		RT-PCR	
2847	*01	*04											SSO	
3519	*01	*04			*01	*03	*03	*05	*01		*04(DP402)		SSP NGS	
3753	*01	*04	4*01	NP	*01	*03	*03	*05	*01	*01	*04(DP402)	*04(DP402)	RT-PCR	
3966													SSP	
4079	*01	*04	4*01		*01	*03	*03	*05	*01		*04(DP402)		SSO	
5130	*01	*04	4*01		*01	*03	*03	*05			*04	*04	SSO NGS	
5214	*01	*04	4*01(DR53)		*01	*03	*03(DQ8)	*05	*01		*04(DP402)		SSO	
5219	*01	*04			*01	*03	*03	*05					SSO NGS	
5451	*01	*04	4*01		*01	*03	*03	*05					SSO SBT	
5462	*01	*04	4*01	NP	*01	*03	*03	*05	*01		NT		SSO	
5488													SSO SBT NGS	
5642	*01	*04	4*PRESENT				*03	*05					SSP	
6649	*01	*04					*03	*05					SSO	
8029	*01	*04			*01	*03	*03	*05					SSO	
8043	*01	*04			*01	*03	*03	*05					SSP SSO	
8068	*01	*04			*01	*03	*03	*05					SSO	
8123	*01	*04	4*01	NP	*01	*03	*03	*05	*01	*01	*04(DP402)	*04(DP402)	RT-PCR	

Table 3b: Individual laboratory results for B-cell #585 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03	*01:03	*04:02	*04:02	SSO NGS	
278	*01:01	*04:15	4*01:03	NT	*01:01	*03:01	*03:02	*05:01	*01:03	*01:03	*04:02	*04:02	SSP SSO	
747	*01:01:01	*04:15	4*01:03:01		*01:01:01	*03:01:01	*03:02:01	*05:01:01	*01:03:01	*01:03:01	*04:02:01	*04:02:01	SSP SSO NGS	DQB1*03:416 DQB1*05:01:40 DQB1*03:289 DQB1*05:01:33
762	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03		*04:02		NGS	
774	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01			*04:02		SSP SSO	DRB1*01:53 DRB1*01:60 DRB1*01:62N DRB1*01:64 DRB1*01:67 DRB4*01:09 DRB4*01:10 DRB1*01:47 DRB1*01:48 DRB1*01:50 DRB1*01:52N DRB1*01:41 DRB1*01:45
792	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03	*01:03	*04:02	*04:02	SSO NGS	DRB1*01:100
793					*01:01	*03:01					*04:02		SSP	
794	*01:01:01	*04:15	4*01:03:01		*01:01:01	*03:01:01	*03:02:01	*05:01:01	*01:03:01		*04:02:01		SSP SSO NGS RT-PCR	
2344	*01:01:01	*04:15	NT	NT	NT	NT	*03:02:01	*05:01:01	NT	NT	*04:02:01	*04:02:01	NGS	DRB1*01:100
2400	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01			*04:02:01G		SSO NGS	DQB1*03:289
3135	*01:01P	*04:15	4*01:03		*01:01	*03:01	*03:02P	*05:01P	*01:03	*01:03	*04:02:01	*04:02:01		DQA1*01:04 DQA1*01:05 DQA1*03:02 DQA1*03:03
3224	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03		*04:02			
3511	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03	*01:03	*04:02	*04:02	SSP SSO	
3519	*01:01P	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03		*04:02		SSP NGS RT-PCR	DRB1*01:100
3966	*01:01	*04:15	4*01:03				*03:02	*05:01					SSP	
4337	*01:01	*04:15					*03:02	*05:01			*04:02	*04:02	SSP SBT NGS	
5130	*01:01	*04:15		4*01:03	*01:01	*03:01	*03:02	*05:01			*04:02	*04:02	SSO NGS	DRB1*01:100
5133	*01:01:01	*04:15	4*01:03:01		*01:01:01	*03:01:01	*03:02:01	*05:01:01	*01:03:01		*04:02:01		NGS	
5214		*04:15									*04:02G		SSO	
5219							*03:02:01	*05:01:01			*04:02:01	*04:02:01	SSO NGS	
5451	*01:01:01	*04:15											SSO SBT	

Table 3b: Individual laboratory results for B-cell #585 - Class II

High resolution															
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles	
														DPB1*701:01 DPB1*724:01N DPB1*726:01 DPB1*730:01 DPB1*731:01 DPB1*734:01 DPB1*735:01 DPB1*759:01 DPB1*776:01 DPB1*777:01N DPB1*809:01 DPB1*817:01 DPB1*823:01 DPB1*858:01 DPB1*881:01 DPB1*885:01 DPB1*887:01 DPB1*925:01N DPB1*927:01 DPB1*933:01 DPB1*936:01Q DPB1*958:01 DPB1*959:01N DPB1*981:01 DPB1*985:01N DPB1*995:01N+	
5462	NT	NT	NT	NT	NT	NT	NT	NT	NT				*04:02	SSO	
5488	*01:01:01	*04:15	4*01:03:01		*01:01:01	*03:01:01	*03:02:01	*05:01:01	*01:03:01				*04:02:01	SSO SBT NGS	DRB1*01:100
5642	*01:01	*04:15					*03:02	*05:01						SSP	
8021	*01:01	*04:15	4*01:03		*01:01	*03:01	*03:02	*05:01	*01:03				*04:02	SSO NGS	
8043	*01:01	*04:15			*01:01	*03:01	*03:02	*05:01						SSP SSO	
8086	*01:01	*04:15			*01:01	*03:01	*03:02	*05:01	*01:03:01G	*01:03:01G	*04:02	*04:02		SBT	
8122	*01:01	*04:15	NP	4*01:03	*01:01	*03:01	*03:02	*05:01	*01:03		*04:02			NGS	
8123	*01:01			4*01:01	*01:01	*03:01	*03:02	*05:01	*01:03	*01:03	*04:02	*04:02		RT-PCR	DRB1*04:15

Table 4: Individual laboratory results for B-cell #585- Class I

Table 4: Individual laboratory results for B-cell #585- Class I														
Center	Low resolution						High resolution						METHOD	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
230							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSO NGS	
278	*01	*24	*08	*35	*04	*07	*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSP SSO	
725	*01	*24	*08	*35	*04	*07							SSP SSO	
747							*01:01:01	*24:02:01	*08:01:01	*35:02:01	*04:01:01	*07:01:01	SSP SSO NGS	
774	*01	*24	*08	*35	*04	*07							SSP SSO	
792	*01	*24	*08	*35	*04	*07	*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSO NGS	
793	*01	*24	*08	*35	*04	*07							SSP	
794	*01	*24	*08	*35	*04	*07	*01:01:01	*24:02:01	*08:01:01	*35:02:01	*04:01:01	*07:01:01	SSP SSO NGS	
2344							*01:01:01	*24:02:01	*08:01:01	*35:02:01	*04:01:01	*07:01:01	RT-PCR	
2400	*01	*24	*08	*35	*04	*07	*01:01	*24:02	*08:01	*35:02	*04:01:01	*07:01:01	NGS	
2847	*01	*24	*08	*35	*04	*07							SSO NGS	
3135							*01:01P	*24:02P	*08:01P	*35:02:01	*04:01:01G	*07:01P	SSO	
3224							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01		
3511							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSP SSO	
3519	*01	*24	*08	*35	*04	*07	*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSP NGS	
3753	*01	*24	*08	*35	*04	*07							RT-PCR	
3966	*01	*24	*08	*35	*04	*07							SSP	
4079	*01	*24	*08	*35	*04	*07							SSO	
4337							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSP SBT NGS	
5130	*01	*24	*08	*35	*04	*07	*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSO NGS	
5133							*01:01:01:01	*24:02:01:01	*08:01:01:01	*35:02:01:02	*04:01:01:06	*07:01:01:01	NGS	
5214	*01	*24	*08	*35	*04	*07							SSO	
5219	*01	*24	*08	*35	*04	*07	*01:01:01	*24:02:01	*08:01:01	*35:02:01	*04:01:01	*07:01:01	SSO NGS	
5451													SSO SBT	
5462	*01	*24	*08	*35	*04	*07	NT	NT	NT	NT	NT	NT	SSO	
5488							*01:01:01	*24:02:01	*08:01:01	*35:02:01	*04:01:01	*07:01:01	SSO SBT NGS	
5642													SSP	
6649													SSO	
8021							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SSO NGS	
8029	*01	*24	*08	*35	*04	*07							SSO	
8043													SSP SSO	
8068	*01	*24	*08	*35	*04	*07							SSO	
8086							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	SBT	
8122							*01:01	*24:02	*08:01	*35:02	*04:01	*07:01	NGS	
8123	*01	*24	*08	*35	*04	*07							RT-PCR	B*08:01 B*35:02

Table 5a: Individual laboratory results for B-cell #586 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
278	*03	*14	3*01	3*02	*01	*05	*02	*06	*01	*01	*02	*04	SSP SSO	
725	*03	*14	3*PRESENT		*01	*05	*02	*06					SSP SSO	
747	*03	*14	3*01	3*02	*01	*05	*02	*06	*01	*01	*02	*04	SSP SSO NGS	
774	*03	*14	3*01	3*02	*01	*05	*02	*06			*02(DP201)	*04(DP401)	SSP SSO	
792	*03	*14	3*01	3*02	*01	*05	*02	*06	*01	*01	*02	*04(DP401)	SSO NGS	
793	*03	*14	3*01	3*02	*01	*05	*02	*06			*02(DP201)	*04(DP401)	SSP	
794	*03	*14	3*01	3*02	*01	*05	*02	*06	*01		*02	*04	SSP SSO NGS RT-PCR	
2400	*03	*14	3*01	3*02	*01	*05	*02	*06			*02	*04	SSO NGS	
2847	*03	*14											SSO	
3519	*03	*14			*01	*05	*02	*06	*01		*02(DP201)	*04(DP401)	SSP NGS RT-PCR	
3753	*03	*14	3*01	3*02	*01	*05	*02	*06	*01	*01	*02	*04(DP401)		
3966													SSP	
4079	*03	*14	3*01	3*02	*01	*05	*02	*06	*01	*01	*02(DP201)	*04(DP401)	SSO	
5130	*03	*14	3*01	3*02	*01	*05	*02	*06			*02	*04	SSO NGS	
5214	*03	*14	3*01(DR52)	3*02(DR52)	*01	*05	*02	*06	*01		*02(DP201)	*04(DP401)	SSO	
5219	*03	*14			*01	*05	*02	*06					SSO NGS	
5451	*03	*14	3*01	3*02	*01	*05	*02	*06					SSO SBT	
5462	*03	*14	3*01	3*02	*01	*05	*02	*06	*01		NT	NT	SSO	
5488			3*01	3*02									SSO SBT NGS	
5642	*03	*14	3*PRESENT				*02	*06					SSP	
6649	*03	*14					*02	*06					SSO	
8029	*03	*14			*01	*05	*02	*06					SSO	
8043	*03	*14			*01	*05	*02	*06					SSP SSO	
8068	*03	*14			*01	*05	*02	*06					SSO	
8123	*03	*14	3*01	3*02	*01	*05	*02	*06	*01	*01	*02(DP201)	*04(DP401)	RT-PCR	

Table 5b: Individual laboratory results for B-cell #586 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03	*01:03	*02:01	*04:01	SSO NGS	
278	*03:01	*14:54	3*01:01	3*02:02	*01:04	*05:01	*02:01	*06:02	*01:03	*01:03	*02:01	*04:01	SSP SSO	DQA1*01:05
747	*03:01:01	*14:54:01	3*01:01:02	3*02:02:01	*01:05:02	*05:01:01	*02:01:01	*06:02:01	*01:03:01	*01:03:01	*02:01:19	*04:01:01	SSP SSO NGS	DPA1*01:17 DPA1*01:34 DQB1*02:163N
762	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03		*02:01	*04:01	NGS	
774	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02			*02:01	*04:01	SSP SSO	DRB1*03:61 DRB1*03:62 DRB1*03:83 DRB1*03:86 DRB1*03:93 DRB1*03:98 DRB1*03:100 DRB1*03:104 DRB1*03:10 DRB1*03:56 DRB1*03:109 DRB1*03:111 DRB1*03:112 DRB1*03:58 DRB1*03:59 DRB1*03:68N DRB1*03:69 DRB1*03:72 DRB1*03:73
792	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03	*01:03	*02:01	*04:01	SSO NGS	DRB1*03:147
793					*01:05	*05:01					*02:01	*04:01	SSP	
794	*03:01:01	*14:54:01	3*01:01:02	3*02:02:01	*01:05:02	*05:01:01	*02:01:01	*06:02:01	*01:03:01		*02:01:19	*04:01:01	SSP SSO NGS RT-PCR	
2344	*03:01:01	*14:54:01	NT	NT	NT	NT	*02:01:01	*06:02:01	NT	NT	*02:01:19	*04:01:01	NGS	DRB1*03:147
2400	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02			*02:01:02G	*04:01:01G	SSO NGS	DQB1*02:163N
3135	*03:01P	*14:54:01	3*01:01	3*02:02	*01:01	*05:01	*02:01	*06:02P	*01:03	*01:03	*02:01P	*04:01:01		DQA1*01:04 DQA1*01:05
3224	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03		*02:01	*04:01		
3511	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03	*01:03	*02:01	*04:01	SSP SSO	
3519	*03:01P	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03		*02:01	*04:01	SSP NGS RT-PCR	DRB1*03:147
3966	*03:01	*14:54	3*01:01	3*02:02			*02:01	*06:02					SSP	
4337	*03:01	*14:54					*02:01	*06:02			*02:01	*04:01	SSP SBT NGS	
5130	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02			*02:01	*04:01	SSO NGS	DRB1*03:147
5133	*03:01:01	*14:54:01	3*01:01:02	3*02:02:01	*01:05:02	*05:01:01	*02:01:01	*06:02:01	*01:03:01		*02:01:19	*04:01:01	NGS	
5214	*03:01										*02:01G	*04:01G	SSO	
5219	*03:01:01	*14:54:01									*02:01:02	*04:01:01G	SSO NGS	
5451	*03:01:01	*14:54:01											SSO SBT	

Table 5b: Individual laboratory results for B-cell #586 - Class II

High resolution															
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles	
														DPB1*213:01 DPB1*334:01 DPB1*523:01 DPB1*742:01 DPB1*824:01 DPB1*878:01N DPB1*880:01 DPB1*882:01 DPB1*895:01 DPB1*926:01 DPB1*932:01 DPB1*939:01 DPB1*1003:01 DPB1*1004:01 DPB1*1010:01 DPB1*1011:01 DPB1*1023:01 DPB1*1033:01 DPB1*1042:01 DPB1*1044:01N DPB1*1048:01 DPB1*1060:01 DPB1*1074:01 DPB1*1081:01 DPB1*1086:01 DPB1*845:01 DPB1*861:01 DPB1*865:01N DPB1*872:01N DPB1*884:01 DPB1*890:01 DPB1*894:01N DPB1*919:01N DPB1*967:01 DPB1*955:01 DPB1*723:01 DPB1*743:01N DPB1*750:01 DPB1*754:01N DPB1*755:01 DPB1*756:01N DPB1*765:01 DPB1*767:01 DPB1*769:01 DPB1*773:01 DPB1*784:01 DPB1*795:01 DPB1*803:01 DPB1*804:01 DPB1*811:01 DPB1*812:01 DPB1*813:01 DPB1*814:01 DPB1*820:01 DPB1*838:01N DPB1*842:01 DPB1*844:01N DPB1*849:01 DPB1*850:01 DPB1*852:01+	
5462	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		*02:01	*04:01	SSO	
5488	*03:01:01G	*14:54			*01:05:02	*05:01:01	*02:01:01	*06:02:01	*01:03:01			*02:01:19	*04:01:01	SSO SBT NGS	DRB1*03:06 DRB1*03:07 DRB1*03:01:17 DRB1*03:10 DRB1*14:35 DRB1*14:82 DRB1*14:01:02 DRB1*14:23:01
5642	*03:01	*14:01					*02:01	*06:02						SSP	
8021	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03			*02:01	*04:01	SSO NGS	
8043	*03:01	*14:54			*01:04	*05:01	*02:01	*06:02						SSP SSO	
8086	*03:01	*14:54			*01:05	*05:01	*02:01	*06:02	*01:03:01G	*01:03:01G		*02:01	*04:01	SBT	
8122	*03:01	*14:54	3*01:01	3*02:02	*01:05	*05:01	*02:01	*06:02	*01:03			*02:01	*04:01	NGS	DPB1*939:01
8123	*03:01		3*01:01	3*02:02			*02:01	*06:02	*01:03	*01:03		*02:01	*04:01	RT-PCR	DRB1*14:07 DRB1*14:54 DQA1*01:04 DQA1*01:05

Table 6: Individual laboratory results for B-cell #586- Class I

Table 6: Individual laboratory results for B-cell #586- Class I														
Center	Low resolution						High resolution						METHOD	Other Alleles
	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
230							*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSO NGS	
278	*01	*36	*08	*53	*04	*07	*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSP SSO	
725	*01	*36	*08	*53	*04	*07							SSP SSO	
747							*01:01:01	*36:01	*08:01:01	*53:01:01	*04:01:01	*07:01:01	SSP SSO NGS	
774	*01	*36	*08	*53	*04	*07							SSP SSO	
792	*01	*36	*08	*53	*04	*07	*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSO NGS	
793	*01	*36	*08	*53	*04	*07							SSP	
794	*01	*36	*08	*53	*04	*07	*01:01:01	*36:01	*08:01:01	*53:01:01	*04:01:01	*07:01:01	SSP SSO NGS	
2344							*01:01:01	*36:01	*08:01:01	*53:01:01	*04:01:01	*07:01:01	RT-PCR	
2400	*01	*36	*08	*53	*04	*07	*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	NGS	
2847	*01	*36	*08	*53	*04	*07							SSO NGS	
3135													SSO	
3224							*01:01P	*36:01	*08:01P	*53:01P	*04:01:01G	*07:01P		
3511							*01:01	*36:01	*08:01	*53:01	*04:01	*07:01		
3519	*01	*36	*08	*53	*04	*07	*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSP SSO	
3753	*01	*36	*08	*53	*04	*07							SSP NGS	
3966	*01	*36	*08	*53	*04	*07							RT-PCR	
4079	*01	*36	*08	*53	*04	*07							SSP	
4337													SSO	
5130	*01	*36	*08	*53	*04	*07	*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSP SBT NGS	
5133							*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSO NGS	
5214	*01	*36	*08	*53	*04	*07	*01:01:01:01	*36:01:01:01	*08:01:01:01	*53:01:01:01	*04:01:01:75	*07:01:01:01	NGS	
5219	*01	*36	*08	*53	*04	*07	*01:01:01	*36:01:01:01	*08:01:01	*53:01:01	*04:01:01	*07:01:01	SSO	
5451													SSO NGS	
5462	*01	*36	*08	*53	*04	*07	NT	NT	NT	NT	NT	NT	SSO SBT	
5488							*01:01:01	*36:01	*08:01:01	*53:01:01	*04:01:01	*07:01:01	SSO	
5642													SSO SBT NGS	
6649													SSP	
8021							*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSO	
8029	*01	*36	*08	*53	*04	*07							SSO NGS	
8043													SSO	
8068	*01	*36	*08	*53	*04	*07							SSP SSO	
8086							*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSO	
8122							*01:01	*36:01	*08:01	*53:01	*04:01	*07:01	SSO	
8123	*01	*36	*08	*53	*04	*07							SSO	
													SSO	DPB1*939:01
														DRB1*14:07
														DRB1*14:54
														DQA1*01:04
														DQA1*01:05
													RT-PCR	