

B-CELL LINE EXCHANGE #286

MARCH 11, 2020

B-cell Lines 571-572

The results for B-cell Line Exchange #286 are summarized in Tables 1 - 2 and individual laboratory results reported for each sample are listed in Tables 3 - 6. We are once again grateful to the generosity of **Welsh Blood Service, Pontyclun** for sharing the valuable reference cells 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-571. The consensus type for this cell from a Caucasian donor was DRB1*09:01-DRB1*11:04-DRB3*02:02-DRB4*01:03-DQA1*03:02-DQA1*05:05-DQB1*03:01-DQB1*03:03-DPA1*01:03-DPA1*02:01-DPB1*04:02-DPB1*13:01/A*02:01-A*26:01-B*18:01-B*44:22-C*01:02-C*07:01. One likely association present in this cell is A*02:01-B*18:01-DRB1*11:04, observed commonly in Caucasians, with HF = 0.00425. The other association present is then likely A*26:01-B*44:22-DRB1*09:01.

Previously examined in the Cell Exchange as Extract 338 in 2005, this cell would later become one of the Reference cells for B*44:22, known as 42323. In this present retyping, B*44:22 was reported by 100% of labs reporting by high resolution. Good agreement (>90%) was also achieved for all other loci by labs reporting by low and high resolution.

Ter-572. The consensus type for this cell from a Caucasian donor was DRB1*04:01-DRB1*13:02-DRB3*03:01-DRB4*01:03-DQA1*01:02-DQA1*03:03-DQB1*03:01-DQB1*06:09-DPA1*01:03-DPA1*02:01-DPB1*04:02-DPB1*14:01/A*02:01-A*03:01-B*14:02-B*44:14-C*05:01-C*08:02. One likely association present in this cell is A*03:01-B*14:02-DRB1*13:02, observed in Caucasians, with HF = 0.00257. The other likely association present may then be A*02:01-B*44:14-DRB1*04:01. The association of A*02:01-B*44:14 was observed in the B*44:14 reference cell, HC43756 cell.

Ter-572 was also a reference cell for B*44:14, known as IP. It was previously examined in the Cell Exchange as Extracts 572 (2011) and 273 (2004). In this present retyping, B*44:14 was reported by 100% of labs reporting at high resolution. For all remaining loci, good agreement (>90%) was also achieved by labs reporting low and high resolution typing results.

NEXT MAILING DATE: June 24, 2020

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Table 1: Summary of the 286th B-cell Line Exchange

Ter-571

Ter-571												
DNA Typing - class II	28 labs High; 24 labs low-DRB1	%(n)	15 labs High; 17 labs Low-DRB3/4/5	%(n)	19 labs High; 22 labs Low-DQA1	%(n)	27 labs High; 22 labs Low-DQB1	%(n)	13 labs High; 11 labs Low-DPA1	%(n)	24 labs High; 13 labs Low-DPB1	%(n)
	DRB1*09:01:02	25(7)	DRB3*02:02:01:04	7 (1)	DQA1*03:02:01:01	11(2)	DQB1*03:01:01	19(5)	DPA1*01:03:01	23(3)	DPB1*04:02:01	25(6)
	DRB1*09:01:02G	7 (2)	DRB3*02:02:01	13(2)	DQA1*03:02	84(16)	DQB1*03:01:01G	7 (2)	DPA1*01:03	77(10)	DPB1*04:02	75(18)
	DRB1*09:01P	4 (1)	DRB3*02:02	80(12)	DQA1*03:01	5 (1)	DQB1*03:01P	7 (2)	DPA1*01	100(11)	DPB1*04(DP402)	38(5)
	DRB1*09:01	64(18)	DRB3*02	82(14)	DQA1*03	100(22)	DQB1*03:01	67(18)			DPB1*04	62(8)
	DRB1*09	100(24)	DRB3*PRESENT	18(3)			DQB1*03(DQ7)	5 (1)				
							DQB1*03	95(21)				
DNA Typing - class I	20 labs High; 20 labs low-A	%(n)	20 labs High; 20 labs low- B	%(n)	20 labs High; 20 labs low- C	%(n)	26 labs High; 22 labs Low-DQB1	%(n)	13 labs High; 11 labs Low-DPA1	%(n)	24 labs High; 13 labs Low-DPB1	%(n)
	A*02:01:01:48	10(2)	B*18:01:01	25(5)	C*01:02:01:01	10(2)	DQB1*03:03:02	27(7)	DPA1*02:01:01:06	8 (1)	DPB1*13:01:01:01	4 (1)
	A*02:01:01	20(4)	B*18:01P	5 (1)	C*01:02:01	20(4)	DQB1*03:03	73(19)	DPA1*02:01:01	15(2)	DPB1*13:01:01	17(4)
	A*02:01P	5 (1)	B*18:01	70(14)	C*01:02	70(14)	DQB1*03(DQ9)	5 (1)	DPA1*02:01	77(10)	DPB1*13:01:01G	8 (2)
	A*02:01	65(13)	B*18	100(20)	C*01	100(20)	DQB1*03	95(21)	DPA1*02	100(11)	DPB1*13:01P	4 (1)
	A*02	100(20)									DPB1*13:01	67(16)
											DPB1*13	100(13)
DNA Typing - class I	20 labs High; 20 labs low-A	%(n)	21 labs High; 20 labs low- B	%(n)	20 labs High; 20 labs low- C	%(n)						
	A*26:01:01:01	10(2)	B*44:22	100(21)	C*07:01:01:16	5 (1)						
	A*26:01:01	20(4)	B*44	100(20)	C*07:01:01	25(5)						
	A*26:01P	5 (1)			C*07:01P	5 (1)						
	A*26:01	65(13)			C*07:01	65(13)						
	A*26	100(20)			C*07	100(20)						

Table 3a: Individual laboratory results for B-cell #571 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
278	*09	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*13	SSP SSO	
725	*09	*11	3*PRESENT	4*PRESENT	*03	*05	*03						SSP SSO	
731	*09	*11			*03	*05	*03	*03	*01	*02	*04	*13	SSP SSO SBT	
747	*09	*11	3*PRESENT	4*PRESENT	*03	*05	*03	*03	*01	*02	*04	*13	RT-PCR	
771	*09	*11			*03	*05	*03	*03					SSP SSO NGS	
774	*09	*11	3*02	4*01	*03	*05	*03				*04	*13	SSP SSO	
792	*09	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04	*13	SSO SBT	
793	*09	*11	3*02	4*PRESENT	*03	*05	*03	*03			*04(DP402)	*13	SSP	
794	*09	*11	3*02	4*01	*03	*05	*03		*01	*02	*04	*13	SSP SSO NGS	
2400	*09	*11	3*02	4*01	*03	*05	*03	*03			*04	*13	RT-PCR	
2847	*09	*11											SSO NGS	
3519	*09	*11			*03	*05	*03		*01	*02	*04(DP402)	*13	SSO	
3753			3*02	4*01	*03	*05			*01	*02			SSP NGS	
3966													RT-PCR	
4079	*09	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04(DP402)	*13	SSO SBT	
4251	*09	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	*04(DP402)	*13	SSP	
5130	*09	*11	3*02	4*01	*03	*05	*03	*03			*04	*13	SSO NGS	
5214	*09	*11	3*02	4*01	*03	*05	*03(DQ7)	*03(DQ9)	*01	*02	*04(DP402)	*13	SSO NGS	
5219	*09	*11			*03	*05	*03	*03					RT-PCR	
5451	*09	*11	3*02	4*01	*03	*05	*03	*03					SSO NGS	
5462	*09	*11	3*02	4*01	*03	*05	*03	*03	*01	*02	NT	NT	SSO SBT	
5488			3*02	4*01									SSO	
5642	*09	*11	3*PRESENT	4*PRESENT			*03	*03					SSO SBT NGS	
6649	*09	*11											SSP	
8029	*09	*11			*03	*05	*03	*03					SSO	
8043	*09	*11			*03	*05	*03	*03					SSO	
8068	*09	*11			*03	*05	*03	*03					SSP SSO	
													SSO	

Table 3b: Individual laboratory results for B-cell #571 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*09:01	*11:04			*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01	SSP SSO SBT NGS	
278	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01	SSP SSO	
731	*09:01:02	*11:04:01					*03:01:01G	*03:03:02					SSP SSO SBT RT-PCR	
747	*09:01:02	*11:04:01	3*02:02:01	4*01:03:02	*03:02:01:01	*05:05:01	*03:01	*03:03:02	*01:03:01	*02:01:01	*04:02:01	*13:01:01	SSP SSO NGS	DPB1*107:01 DRB1*09:31 DQB1*03:297
762	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01	NGS	
771	*09:01	*11:04					*03:01	*03:03					SSP SSO	
774	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01				*04:02	*13:01	SSP SSO	DRB1*09:31 DQB1*03:93 DQB1*03:49 DQB1*03:73 DQB1*03:92
792	*09:01	*11:04					*03:01	*03:03			*04:02	*13:01	SSO SBT	DPB1*107:01
793					*03:02	*05:05					*04:02	*13:01	SSP	DQA1*03:03 DQA1*05:09
794	*09:01:02	*11:04:01	3*02:02:01	4*01:03:02	*03:02	*05:05	*03:01:01	*03:03:02	NT	NT	*04:02:01	*13:01:01	SSP SSO NGS RT-PCR	DRB1*09:21 DRB1*09:31
2344	*09:01:02G	*11:04:01	NT	NT	NT	NT	*03:01:01	*03:03:02	NT	NT	*04:02:01	*13:01:01G	NGS	
2400	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03			*04:02	*13:01	SSO NGS	DRB1*09:31 DPB1*107:01 DQB1*03:297 DQB1*03:276N
3135	*09:01	*11:04	3*02:02	4*01:03	*03:01	*05:01P	*03:01P	*03:03	*01:03	*02:01	*04:02	*13:01		DQA1*03:02 DQA1*03:03
3224	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01	NGS	
3511	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01		
3519	*09:01P	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01P	*03:03	*01:03	*02:01	*04:02	*13:01P	SSP NGS RT-PCR	DRB1*09:31 DPB1*107:01

Table 3b: Individual laboratory results for B-cell #571 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
														DRB1*09:21 DQB1*03:10 DQB1*03:12 DQB1*03:69 DQB1*03:74 DQB1*03:113 DQB1*03:256 DQB1*03:276N DQB1*03:292 DQB1*03:293 DQB1*03:294 DQB1*03:297 DPB1*107:01 DPB1*463:01 DQB1*03:180 DQB1*03:195 DQB1*03:326 DQB1*03:342 DQB1*03:350 DQB1*03:354N DQB1*03:382 DQB1*03:389 DRB1*09:31 DPB1*996:01 DQB1*03:398
3753	*09:01	*11:04					*03:01	*03:03			*04:02	*13:01	SSO SBT	
3966	*09:01	*11:04	3*02:02	4*01:03			*03:01	*03:03					SSP	
4251	*09:01:02G	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01:01G	*03:03	*01:03	*02:01	*04:02	*13:01:01G	SSO NGS	
4337	*09:01	*11:04					*03:01	*03:03			*04:02	*13:01	SSP SBT NGS	
5130	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03			*04:02	*13:01	SSO NGS	DRB1*09:31 DPB1*107:01
5133	*09:01:02	*11:04:01	3*02:02:01:04	4*01:03:02	*03:02:01:01	*05:05:01:01	*03:01:01	*03:03:02	*01:03:01	*02:01:01:06	*04:02:01	*13:01:01:01	NGS	DPB1*107:01
5219	*09:01:02	*11:04:01					*03:01:01	*03:03:02			*04:02:01	*13:01:01	SSO NGS	
5451	*09:01:02	*11:04:01											SSO SBT	

Table 3b: Individual laboratory results for B-cell #571 - 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*936:01Q DPB1*958:01 DPB1*981:01 DPB1*985:01N DPB1*995:01N DPB1*1005:01 DPB1*1020:01 DPB1*1025:01 DPB1*1035:01+
5462	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	*04:02	*13:01	SSO	DRB1*09:31 DQB1*03:276N DPB1*107:01
5488	*09:01:02	*11:04:01			*03:02	*05:05:01	*03:01:01	*03:03:02	*01:03:01	*02:01:01	*04:02:01	*13:01:01	SSO SBT NGS	
5642	*09:01	*11:04					*03:01	*03:03					SSP	
8021	*09:01	*11:04	3*02:02	4*01:03	*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01	SSO NGS	
8043	*09:01	*11:04			*03:02	*05:05	*03:01	*03:03					SSP SSO	
8086	*09:01	*11:04			*03:02	*05:05	*03:01	*03:03	*01:03	*02:01	*04:02	*13:01	SSO SBT	

Table 4: Individual laboratory results for B-cell #571 - Class I

Low resolution							High resolution						METHOD	Other Alleles
Center	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
230							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSP SSO SBT NGS	
278	*02	*26	*18	*44	*01	*07	*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSP SSO	
725	*02	*26	*18	*44	*01	*07							SSP SSO	
731	*02	*26	*18	*44	*01	*07							SSP SSO SBT RT-PCR	
747	*02	*26	*18	*44	*01	*07	*02:01:01:48	*26:01:01:01	*18:01	*44:22	*01:02:01:01	*07:01:01	SSP SSO NGS	B*18:119 B*18:81
774	*02	*26	*18	*44	*01	*07				*44:22			SSP SSO	B*18:53 DQB1*03:297
792	*02	*26	*18	*44	*01	*07	*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO SBT	A*02:01:01:02L
793	*02	*26	*18	*44	*01	*07							SSP	
794	*02	*26	*18	*44	*01	*07	*02:01:01	*26:01:01	*18:01:01	*44:22	*01:02:01	*07:01:01	SSP SSO NGS RT-PCR	
2344							*02:01:01	*26:01:01	*18:01:01	*44:22	*01:02:01	*07:01:01	NGS	
2400	*02	*26	*18	*44	*01	*07	*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO NGS	
2847	*02	*26	*18	*44	*01	*07							SSO	
3135							*02:01P	*26:01P	*18:01P	*44:22	*01:02	*07:01P		
3224							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	NGS	
3511							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01		
3519	*02	*26	*18	*44	*01	*07	*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSP NGS RT-PCR	
3753							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO SBT	A*26:166Q B*18:144 B*18:145 B*44:105 B*18:113 B*18:177 B*18:181 B*18:186
3966	*02	*26	*18	*44	*01	*07							SSP	
4079	*02	*26	*18	*44	*01	*07							SSO	
4251	*02	*26	*18	*44	*01	*07	*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO NGS	
4337							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSP SBT NGS	
5130	*02	*26	*18	*44	*01	*07							SSO NGS	
5130							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO NGS	
5133							*02:01:01:48	*26:01:01:01	*18:01:01	*44:22	*01:02:01:01	*07:01:01:16	NGS	
5214	*02	*26	*18	*44	*01	*07							RT-PCR	
5219	*02	*26	*18	*44	*01	*07	*02:01:01	*26:01:01	*18:01:01	*44:22	*01:02:01	*07:01:01	SSO NGS	
5462	*02	*26	*18	*44	*01	*07	NT	NT	NT	NT	NT	NT	SSO	
5488							*02:01:01	*26:01:01	*18:01:01	*44:22	*01:02:01	*07:01:01	SSO SBT NGS	
8021							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO NGS	
8029	*02	*26	*18	*44	*01	*07							SSO	
8068	*02	*26	*18	*44	*01	*07							SSO	
8086							*02:01	*26:01	*18:01	*44:22	*01:02	*07:01	SSO SBT	

Table 5a: Individual laboratory results for B-cell #572 - Class II

Low resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
278	*04	*13	3*03	4*01	*01	*03	*03	*06	*01	*02	*04	*14	SSP SSO	
725	*04	*13	3*PRESENT	4*PRESENT	*01	*03	*03	*06					SSP SSO	
731	*04	*13			*01	*03	*03	*06	*01	*02	*04	*14	SSP SSO SBT	
747	*04	*13	3*PRESENT	4*PRESENT	*01	*03	*03	*06	*01	*02	*04	*14	RT-PCR	
771	*04	*13			*01	*03	*03	*06					SSP SSO NGS	
774	*04	*13	3*03	4*01	*01	*03	*03	*06			*04(DP402)	*14	SSP SSO	
792	*04	*13	3*03	4*01	*01	*03	*03	*06	*01	*02	*04	*14	SSO SBT	
793	*04	*13	3*03	4*PRESENT	*01	*03	*03	*06			*04(DP402)	*14	SSP	
794	*04	*13	3*03	4*01	*01	*03	*03	*06	*01	*02	*04	*14	SSP SSO NGS	
2400	*04	*13	3*03	4*01	*01	*03	*03	*06			*04	*14	RT-PCR	
2847	*04	*13											SSO	
3519	*04	*13			*01	*03	*03	*06	*01	*02	*04(DP402)	*14	SSP NGS	
3753			3*03	4*01	*01	*03			*01	*02			RT-PCR	
3966													SSO SBT	
4079	*04	*13	3*03	4*01	*01	*03	*03	*06	*01	*02	*04(DP402)	*14	SSP	
4251	*04	*13	3*03	4*01	*01	*03	*03	*06	*01	*02	*04(DP402)	*14	SSO	
5130	*04	*13	3*03	4*01	*01	*03	*03	*06			*04	*14	SSO NGS	
5214	*04	*13	3*03	4*01	*01	*03	*03(DQ7)	*06	*01	*02	*04(DP402)	*14	SSO NGS	
5219	*04	*13			*01	*03	*03	*06					RT-PCR	
5451	*04	*13	3*03	4*01	*01	*03	*03	*06					SSO NGS	
5462	*04	*13	3*03	4*01	*01	*03	*03	*06	*01	*02	NT	NT	SSO SBT	
5488													SSO	
5642	*04	*13	3*PRESENT	4*PRESENT			*03	*06					SSO SBT NGS	
6649	*04	*13											SSP	
8029	*04	*13			*01	*03	*03	*06					SSO	
8043	*04	*13			*01	*03	*03	*06					SSO	
8068	*04	*13			*01	*03	*03	*06					SSP SSO	
													SSO	

Table 5b: Individual laboratory results for B-cell #572 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
230	*04:01	*13:02			*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01	SSP SSO SBT NGS	
278	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01	SSP SSO	
731	*04:01:01	*13:02:01G					*03:01:01	*06:09:01G					SSP SSO SBT RT-PCR	DQB1*06:88 DQB1*03:22 DQB1*03:276N DPB1*463:01
747	*04:01:01	*13:02:01	3*03:01:01	4*01:03:01	*01:02:01	*03:03:01:01		*06:09:01:01	*01:03:01	*02:01:01:02	*04:02:01	*14:01:01	SSP SSO NGS	DPB1*854:01
762	*04:01	*13:02	3*03:01	4*01:03		*03:03	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01	NGS	DPB1*463:01
771	*04:01	*13:02					*03:01	*06:09					SSP SSO	
														DRB1*04:171 DQB1*03:49 DQB1*03:73 DQB1*03:92 DRB1*04:175 DRB1*04:192 DQB1*03:93 DQB1*06:281 DQB1*06:282
774	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09			*04:02	*14:01	SSP SSO	
792	*04:01	*13:02					*03:01	*06:09			*04:02	*14:01	SSO SBT	
793					*01:02	*03:03					*04:02	*14:01	SSP	
794	*04:01:01	*13:02:01	3*03:01:01	4*01:03:01	*01:02	*03:03	*03:01:01	*06:09:01	NT	NT	*04:02:01	*14:01:01	SSP SSO NGS RT-PCR	
2344	*04:01:01	*13:02:01	NT	NT	NT	NT	*03:01:01	*06:09:01	NT	NT	*04:02:01G	*14:01:01	NGS	DPB1*854:01 DPB1*463:01 DPB1*854:01 DQB1*03:276N DQB1*03:297
2400	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09			*04:02	*14:01	SSO NGS	DQA1*03:02 DQA1*03:03 DPB1*854:01 DPB1*463:01
3135	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:01	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01		
3224	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02:01G	*14:01:01G	NGS	
3511	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01		
3519	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02P	*14:01	SSP NGS RT- PCR	DPB1*854:01 DPB1*463:01

Table 5b: Individual laboratory results for B-cell #572 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
														DRB1*04:35 DRB1*04:38 DRB1*04:113 DRB1*04:132 DRB1*13:29 DRB1*13:36 DRB1*13:97 DQB1*03:256 DQB1*03:276N DQB1*03:292 DQB1*03:293 DQB1*03:294 DQB1*06:281 DQB1*03:22 DRB1*13:196 DPB1*854:01 DQB1*03:326 DQB1*03:342 DQB1*03:350 DQB1*03:389 DQB1*03:297 DQB1*06:282 DQB1*06:88 DPB1*463:01 DRB1*04:274
3753	*04:01	*13:02					*03:01	*06:09			*04:02	*14:01	SSO SBT	
3966	*04:01	*13:02	3*03:01	4*01:03			*03:01	*06:09					SSP	
4251	*04:01:01G	*13:02	3*03:01:01G	4*01:03	*01:02	*03:03	*03:01:01G	*06:09	*01:03	*02:01:01G	*04:02:01G	*14:01:01G	SSO NGS	
4337	*04:01	*13:02					*03:01	*06:09			*04:02	*14:01	SSP SBT NGS	
5130	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09			*04:02	*14:01	SSO NGS	DPB1*463:01 DPB1*854:01
5133	*04:01:01	*13:02:01	3*03:01:01	4*01:03:01	*01:02:01	*03:03:01:01	*03:01:01	*06:09:01:01	*01:03:01	*02:01:01:02	*04:02:01	*14:01:01	NGS	
5219	*04:01:01	*13:02:01					*03:01:01	*06:09:01			*04:02:01	*14:01:01	SSO NGS	
5451	*04:01:01	*13:02:01											SSO SBT	

Table 5b: Individual laboratory results for B-cell #572 - Class II

High resolution														
Center	DRB1		DRB3/4/5		DQA1		DQB1		DPA1		DPB1		METHOD	Other Alleles
														DPB1*463:01 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*823:01 DPB1*858:01 DPB1*881:01 DPB1*885:01 DPB1*887:01 DPB1*925:01N DPB1*927:01 DPB1*933:01
5462	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	*04:02	*14:01	SSO	DPB1*936:01Q+
5488	*04:01:01	*13:02:01	3*03:01:01	4*01:03:01	*01:02:01	*03:03:01	*03:01:01G	*06:09	*01:03:01	*02:01:01	*04:02:01	*14:01:01	SSO SBT NGS	DQB1*03:256 DQB1*03:01:02 DQB1*06:281 DPB1*463:01:01 DPB1*854:01 DQB1*06:282 DQB1*06:88
5642	*04:01	*13:02					*03:01	*06:09					SSP	
8021	*04:01	*13:02	3*03:01	4*01:03	*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01	SSO NGS	
8043	*04:01	*13:02			*01:02	*03:03	*03:01	*06:09					SSP SSO	
8086	*04:01	*13:02			*01:02	*03:03	*03:01	*06:09	*01:03	*02:01	*04:02	*14:01	SSO SBT	

Table 6: Individual laboratory results for B-cell #572 - Class I

Table 6: Individual laboratory results for B-cell #572 - Class I														
Low resolution							High resolution						METHOD	Other Alleles
Center	HLA-A		HLA-B		HLA-C		HLA-A		HLA-B		HLA-C			
230							*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSP SSO SBT	
278	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	NGS	
725	*02	*03	*14	*44	*05	*08							SSP SSO	
731	*02	*03	*14	*44	*05	*08							SSP SSO SBT	
747	*02	*03	*14	*44	*05	*08	*02:01:01:01	*03:01:01:01	*14:02:01:01	*44:14	*05:01:01	*08:02:01	RT-PCR	
774	*02	*03	*14	*44	*05	*08			*14:02	*44:14			SSP SSO NGS	
774	*02	*03	*14	*44	*05	*08							SSP SSO	B*14:39
792	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSO SBT	A*02:01:01:02L
793	*02	*03	*14	*44	*05	*08							SSO	A*03:01:01:02N
793	*02	*03	*14	*44	*05	*08							SSP	
794	*02	*03	*14	*44	*05	*08	*02:01:01	*03:01:01	*14:02:01	*44:14	*05:01:01	*08:02:01	SSP SSO NGS	
2344							*02:01:01	*03:01:01	*14:02:01	*44:14	*05:01:01	*08:02:01	RT-PCR	
2400	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	NGS	
2847	*02	*03	*14	*44	*05	*08							SSO NGS	
3135							*02:01P	*03:01P	*14:02	*44:14	*05:01	*08:02	SSO	
3224							*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSO	
3511							*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	NGS	
3519	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSP NGS	
3519	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	RT-PCR	
3753							*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSP SSO	A*03:01:01:02N A*03:293 A*03:301 B*14:64 B*14:67 A*03:313 A*03:363
3966	*02	*03	*14	*44	*05	*08							SSO SBT	
4079	*02	*03	*14	*44	*05	*08							SSP	
4251	*02	*03	*14	*44	*05	*08							SSO	
4337	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSO NGS	
5130	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSP SBT NGS	
5133	*02	*03	*14	*44	*05	*08	*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSO NGS	
5133	*02	*03	*14	*44	*05	*08	*02:01:01	*03:01:01	*14:02:01:01	*44:14	*05:01:01:02	*08:02:01:01	NGS	
5214	*02	*03	*14(B65)	*44	*05	*08							RT-PCR	
5219	*02	*03	*14	*44	*05	*08	*02:01:01	*03:01:01	*14:02:01	*44:14	*05:01:01	*08:02:01	SSO NGS	
5451													SSO SBT	
5462	*02	*03	*14	*44	*05	*08	NT	NT	NT	NT	NT	NT	SSO	
5488							*02:01:01	*03:01:01	*14:02:01	*44:14	*05:01:01	*08:02:01	SSO SBT NGS	
8021							*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSO NGS	
8029	*02	*03	*14	*44	*05	*08							SSO	
8068	*02	*03	*14	*44	*05	*08							SSO	
8086							*02:01	*03:01	*14:02	*44:14	*05:01	*08:02	SSO SBT	