

INTERPRETATION TABLE

HLA-B*46 SSP subtyping

Amplification patterns of the B*46:01 to 46:42 alleles

	Well ⁵											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	130	115	395	130	235	120	105	190	115	100	150	170
PCR product(s)				245		225	140	380		160		380
										315		
Length of int. pos. control ¹	800	1070	1070	1070	1070	800	1070	800	1070	800	1070	1070
5'-primer(s) ²	209	209	2 nd I	97	106	106	209	2 nd I	463	106	419	142
	5'-ggC ^{3'}	5'-ggC ^{3'}	5'-CAA ^{3'}	5'-TCC ^{3'}	5'-CCA ^{3'}	5'-CCA ^{3'}	5'-ggC ^{3'}	5'-CAA ^{3'}	5'-TgA ^{3'}	5'-CCg ^{3'}	5'-gTC ^{3'}	5'-TCA ^{3'}
				209		419	463	625		736		2 nd I
				5'-ggg ^{3'}		5'-gTC ^{3'}	5'-TgA ^{3'}	5'-CCA ^{3'}		5'-gCT ^{3'}		5'-CAA ^{3'}
										890		
										5'-gAA ^{3'}		
3'-primer(s) ³	299	272	559	299	299	187	272	538	538	165	527	269
	5'-TCA ^{3'}	5'-TgA ^{3'}	5'-CgT ^{3'}	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-gTT ^{3'}	5'-TgA ^{3'}	5'-CAG ^{3'}	5'-CCA ^{3'}	5'-Tgg ^{3'}	5'-CCA ^{3'}	5'-ACT ^{3'}
		293				605	564	544		916		544
		5'-ggC ^{3'}				5'-gCT ^{3'}	5'-ACT ^{3'}	5'-ggT ^{3'}		5'-gAT ^{3'}		5'-ggT ^{3'}
								774				
							5'-ggT ^{3'}					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-B allele ⁴												
*46:01:01-46:01:02, 46:01:04-46:01:09, 46:31-46:32, 46:35-46:37, 46:42	1				5				9			
*46:01:03	1				5				9			
*46:02	1	2			5				9			
*46:03	1		3		5							
*46:04				4	5				9			
*46:05	1								9	10		
*46:06	1				5	6		8				
*46:07N	1				5		7		9			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	130	115	395	130	235	120	105	190	115	100	150	170
PCR product(s)				245		225	140	380		160		380

										315		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*46:08	1				5			8				
*46:09	1				5				9		11	
*46:10	1				5				9			12
*46:11	1				5			8				
*46:12	1				5				9			
*46:13:01-46:13:02, 46:33	1				5			8				
*46:13:03	1				5			8				
*46:14	1			4	5				9			
*46:15N	1				5				9	10		
*46:16	1	2			5		7		9			
*46:17	1				5				9			
*46:18	1		3		5			8				
*46:19	1				5			8				12
*46:20	1				5	6			9			
*46:21:01	1		3		5			8				
*46:21:02	1		3		5			8				
*46:22	1				5				9			
*46:23	1				5				9			
*46:24	1				5				9			
*46:25	1				5			8				
*46:26	1				5				9			
*46:27	1				5				9			
*46:28	1				5				9			
*46:29	1		3		5				9			
*46:30	1				5				9			
*46:34	1				5				9			
*46:38	1				5				9	10		
*46:39	1				5			8	9			
*46:40					5				9			
*07:09, 07:11, 07:17, 07:162, 18:35, 35:66, 40:38, 40:52, 40:59-40:60, 40:158, 40:222, 48:14, 48:23, C*07:38:01-07:38:02						6						
*07:55, 08:70, 48:19, C*02:60												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	130	115	395	130	235	120	105	190	115	100	150	170
PCR product(s)				245		225	140	380		160		380
										315		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*07:78, 13:02:01-13:02:14, 13:03, 13:08-13:09, 13:14-13:16, 13:18-13:19, 13:27, 13:30, 13:32-13:34, 13:37-13:38, 13:40, 13:42, 13:44-13:45, 13:53-13:56N, 13:58, 13:65-13:68, 13:70, 14:37, 35:60, 44:15, 44:18, 45:01, 45:03-45:08, 45:10-45:14, 49:01:01-49:03, 49:06-49:17, 49:19N-49:26, 50:01:01-50:02, 50:04-50:08, 50:10-50:11, 50:13, 50:15, 50:18-50:19, 50:31-50:32, 51:15, 52:25, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:10, 54:12-54:13, 54:16-54:30, 55:01:01-55:01:03, 55:01:05-55:01:06, 55:01:08-55:02:06, 55:05, 55:07, 55:09-55:12, 55:15-55:16, 55:18, 55:22, 55:24-55:26, 55:29-55:31, 55:33-55:38, 55:40-55:41, 55:43, 55:45-55:48, 55:50, 55:52, 55:54-55:57, 55:59, 56:01:01-56:01:06, 56:07-56:08, 56:13-56:14, 56:16-56:17, 56:20:01-56:20:02, 56:23-56:30, 56:33-56:39, 56:41-56:42, 59:01:01:01-59:01:01:02, 59:04-59:06												
*07:100, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207									9			
*08:15, 35:74, 35:186, 55:49					5							
*13:31, 13:41, 55:21									9			
*14:07N, 39:40:01N-39:40:02N							7					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	130	115	395	130	235	120	105	190	115	100	150	170
PCR product(s)				245		225	140	380		160		380
										315		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*15:01:01:01-15:01:04, 15:01:06-15:01:16, 15:01:18-15:01:30, 15:01:32-15:01:33, 15:04, 15:08, 15:11:01-15:12, 15:15, 15:24:01-15:24:02, 15:26N-15:27:02, 15:28, 15:30, 15:32, 15:34-15:35, 15:38:01, 15:43, 15:46, 15:53-15:54, 15:56, 15:58, 15:60, 15:63, 15:66, 15:70-15:71, 15:73, 15:75-15:77, 15:79N, 15:81-15:82, 15:85, 15:87, 15:92, 15:94N, 15:96-15:97, 15:101-15:102, 15:104-15:105, 15:109-15:111N, 15:113, 15:118, 15:120, 15:122, 15:128-15:129, 15:135, 15:137, 15:140, 15:142-15:149N, 15:152, 15:154, 15:157, 15:159-15:160, 15:163-15:167, 15:169, 15:171-15:172, 15:174-15:175, 15:178, 15:180-15:184, 15:187, 15:189-15:193, 15:201-15:203, 15:205-15:206, 15:209N, 15:211-15:212, 15:215, 15:217, 15:225, 15:227-15:228, 15:231-15:234, 15:236, 15:239, 15:244-15:247, 15:251, 15:256-15:262N, 15:264, 15:267, 15:270, 15:272N, 15:276-15:280, 18:19, 27:25, 35:14:01-35:14:02, 35:43:01-35:44, 35:67, 35:79, 35:86, 35:102, 35:117, 35:135, 35:163, 35:185, 35:213, 39:36, 44:146, 51:61:01-51:61:02, 52:21, 54:06, 56:03, A*26:68, A*68:56, C*02:56, C*06:20, C*12:56									9			
*15:02:01-15:03:01, 15:03:03, 15:06, 15:09-15:10:02, 15:13:01, 15:16:01-15:18:05, 15:21, 15:23, 15:25:01-15:25:03, 15:29, 15:36-15:37, 15:39:01, 15:61-15:62, 15:64:01-15:64:02, 15:67, 15:72, 15:74, 15:80, 15:88-15:90, 15:95, 15:98, 15:103, 15:106, 15:112, 15:115, 15:119, 15:127, 15:132-15:134, 15:139, 15:153, 15:156, 15:158, 15:162, 15:168, 15:170, 15:173, 15:176-15:177, 15:194-15:198, 15:200, 15:204, 15:208, 15:210, 15:213-15:214, 15:216, 15:219-15:220, 15:223, 15:226N, 15:229-15:230, 15:240, 15:242-15:243, 15:250, 15:253-15:255, 15:263, 15:266, 15:268, 15:271, 15:273-15:274, 15:281-								8				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	130	115	395	130	235	120	105	190	115	100	150	170
PCR product(s)				245		225	140	380		160		380

										315		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*15:03:02, 15:03:04, 15:13:02, 15:39:02								8				
*15:05:01, 15:31, 15:55, 15:107, 15:123, 15:151, 15:155, 15:185, 15:222								8				
*15:05:02, 15:275								8				
*15:14									9			
*15:19									9			
*15:27:03, 15:38:02, 15:269									9			
*15:40, 15:238								8				
*15:42			3					8				
*15:44, 15:69, 15:93, 15:121, 15:186, 15:252, 15:265			3					8				
*15:47:01-15:47:02, 15:49												
*15:48								8				12
*15:50			3						9			
*15:52, 15:114, 15:124								8				
*15:57	w				w				9			
*15:84, 15:237												
*15:86, 15:188, 15:224			3					8				
*15:91								8				
*15:108, 15:136, 15:235, 15:249								8				12
*15:117									9			
*15:125									9	10		
*15:131, 15:161								8				
*15:138						6		8				
*15:179												
*15:199			3									
*15:241						6			9			
*18:06				4								
*18:56, 35:45, 35:71, 44:17, 44:43:01- 44:43:02, 44:144, 45:09, 53:22, 58:07												
*35:54, 51:140, C*07:02:30, C*08:16:02										10		
*35:62									9		11	
*35:113, 44:98, 52:31, A*02:376, C*03:125, C*03:176												
*40:73				4	5							
*55:03					5							
*55:19						6						
*56:19N							7					
*73:01-73:02				w								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	130	115	395	130	235	120	105	190	115	100	150	170
PCR product(s)				245		225	140	380		160		380
										315		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

C*01:73	1												
C*02:28											11		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	

INTERPRETATION TABLE

HLA-B*46 SSP subtyping

Amplification patterns of the B*46:01 to 46:42 alleles

Well ⁵												
13	14	15	16	17	18	19	20	21	22	23	24	
105	215	330	205	365	95	160	225	270	215	45	395	Length of spec. PCR product(s)
215						230						
1070	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	Length of int. pos. control ¹
106	363	2 nd	106	2 nd	419	821	668	369	385	209	2 nd	5'-primer(s) ²
5'-CCA ^{3'}	5'-AgC ^{3'}	5'-CAA ^{3'}	5'-CCA ^{3'}	5'-CAA ^{3'}	5'-gTC ^{3'}	5'-gCT ^{3'}	5'-ggC ^{3'}	5'-TAC ^{3'}	5'-ggT ^{3'}	5'-ggC ^{3'}	5'-CAA ^{3'}	
357			419			890						
5'-Tgg ^{3'}			5'-gTC ^{3'}			5'-gAA ^{3'}						
281	538	486	281	527	472	916	853	599	559	214	559	3'-primer(s) ³
5'-CCC ^{3'}	5'-CCA ^{3'}	5'-gCg ^{3'}	5'-CCC ^{3'}	5'-CCA ^{3'}	5'-ggA ^{3'}	5'-gAT ^{3'}	5'-TAg ^{3'}	5'-CCC ^{3'}	5'-CAg ^{3'}	5'-CCA ^{3'}	5'-CTC ^{3'}	
420		498	572									
5'-gCT ^{3'}		5'-gTA ^{3'}	5'-gCg ^{3'}									
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												HLA-B allele ⁴
												*46:01:01-46:01:02, 46:01:04-46:01:09, 46:31-46:32, 46:35-46:37, 46:42
		15										*46:01:03
												*46:02
												*46:03
												*46:04
												*46:05
				17							24	*46:06
												*46:07N
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
105	215	330	205	365	95	160	225	270	215	45	395	Length of spec. PCR product(s)
215						230						

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												*46:08
												*46:09
												*46:10
13		15		17								*46:11
	14											*46:12
		15		17								*46:13:01-46:13:02, 46:33
				17								*46:13:03
												*46:14
												*46:15N
												*46:16
			16									*46:17
13		15		17								*46:18
												*46:19
												*46:20
				17								*46:21:01
		15		17								*46:21:02
13			16									*46:22
					18							*46:23
						19						*46:24
											24	*46:25
								21				*46:26
									22			*46:27
										23		*46:28
												*46:29
											24	*46:30
							20					*46:34
						19						*46:38
												*46:39
												*46:40
												*07:09, 07:11, 07:17, 07:162, 18:35, 35:66, 40:38, 40:52, 40:59-40:60, 40:158, 40:222, 48:14, 48:23, C*07:38:01-07:38:02
	14											*07:55, 08:70, 48:19, C*02:60
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

105	215	330	205	365	95	160	225	270	215	45	395	Length of spec.
215						230						PCR product(s)
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
13												*07:78, 13:02:01-13:02:14, 13:03, 13:08-13:09, 13:14-13:16, 13:18-13:19, 13:27, 13:30, 13:32-13:34, 13:37-13:38, 13:40, 13:42, 13:44-13:45, 13:53-13:56N, 13:58, 13:65-13:68, 13:70, 14:37, 35:60, 44:15, 44:18, 45:01, 45:03-45:08, 45:10-45:14, 49:01:01-49:03, 49:06-49:17, 49:19N-49:26, 50:01:01-50:02, 50:04-50:08, 50:10-50:11, 50:13, 50:15, 50:18-50:19, 50:31-50:32, 51:15, 52:25, 54:01:01-54:03, 54:05N, 54:07-54:08N, 54:10, 54:12-54:13, 54:16-54:30, 55:01:01-55:01:03, 55:01:05-55:01:06, 55:01:08-55:02:06, 55:05, 55:07, 55:09-55:12, 55:15-55:16, 55:18, 55:22, 55:24-55:26, 55:29-55:31, 55:33-55:38, 55:40-55:41, 55:43, 55:45-55:48, 55:50, 55:52, 55:54-55:57, 55:59, 56:01:01-56:01:06, 56:07-56:08, 56:13-56:14, 56:16-56:17, 56:20:01-56:20:02, 56:23-56:30, 56:33-56:39, 56:41-56:42, 59:01:01:01-59:01:01:02, 59:04-59:06
	14											*07:100, 15:07:01-15:07:02, 15:45, 15:68, 15:126, 15:207
												*08:15, 35:74, 35:186, 55:49
13												*13:31, 13:41, 55:21
												*14:07N, 39:40:01N-39:40:02N
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

105	215	330	205	365	95	160	225	270	215	45	395	Length of spec.
215						230						PCR product(s)
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												*15:01:01:01-15:01:04, 15:01:06-15:01:16, 15:01:18-15:01:30, 15:01:32-15:01:33, 15:04, 15:08, 15:11:01-15:12, 15:15, 15:24:01-15:24:02, 15:26N-15:27:02, 15:28, 15:30, 15:32, 15:34-15:35, 15:38:01, 15:43, 15:46, 15:53-15:54, 15:56, 15:58, 15:60, 15:63, 15:66, 15:70-15:71, 15:73, 15:75-15:77, 15:79N, 15:81-15:82, 15:85, 15:87, 15:92, 15:94N, 15:96-15:97, 15:101-15:102, 15:104-15:105, 15:109-15:111N, 15:113, 15:118, 15:120, 15:122, 15:128-15:129, 15:135, 15:137, 15:140, 15:142-15:149N, 15:152, 15:154, 15:157, 15:159-15:160, 15:163-15:167, 15:169, 15:171-15:172, 15:174-15:175, 15:178, 15:180-15:184, 15:187, 15:189-15:193, 15:201-15:203, 15:205-15:206, 15:209N, 15:211-15:212, 15:215, 15:217, 15:225, 15:227-15:228, 15:231-15:234, 15:236, 15:239, 15:244-15:247, 15:251, 15:256-15:262N, 15:264, 15:267, 15:270, 15:272N, 15:276-15:280, 18:19, 27:25, 35:14:01-35:14:02, 35:43:01-35:44, 35:67, 35:79, 35:86, 35:102, 35:117, 35:135, 35:163, 35:185, 35:213, 39:36, 44:146, 51:61:01-51:61:02, 52:21, 54:06, 56:03, A*26:68, A*68:56, C*02:56, C*06:20, C*10:56
												*15:02:01-15:03:01, 15:03:03, 15:06, 15:09-15:10:02, 15:13:01, 15:16:01-15:18:05, 15:21, 15:23, 15:25:01-15:25:03, 15:29, 15:36-15:37, 15:39:01, 15:61-15:62, 15:64:01-15:64:02, 15:67, 15:72, 15:74, 15:80, 15:88-15:90, 15:95, 15:98, 15:103, 15:106, 15:112, 15:115, 15:119, 15:127, 15:132-15:134, 15:139, 15:153, 15:156, 15:158, 15:162, 15:168, 15:170, 15:173, 15:176-15:177, 15:194-15:198, 15:200, 15:204, 15:208, 15:210, 15:213-15:214, 15:216, 15:219-15:220, 15:223, 15:226N, 15:229-15:230, 15:240, 15:242-15:243, 15:250, 15:253-15:255, 15:263, 15:266, 15:268, 15:271, 15:273-15:274, 15:281-
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
105	215	330	205	365	95	160	225	270	215	45	395	Length of spec.
215						230						PCR product(s)

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
		15										*15:03:02, 15:03:04, 15:13:02, 15:39:02
				17								*15:05:01, 15:31, 15:55, 15:107, 15:123, 15:151, 15:155, 15:185, 15:222
		15		17								*15:05:02, 15:275
			16									*15:14
						19						*15:19
		15										*15:27:03, 15:38:02, 15:269
											24	*15:40, 15:238
13		15										*15:42
												*15:44, 15:69, 15:93, 15:121, 15:186, 15:252, 15:265
											24	*15:47:01-15:47:02, 15:49
		15										*15:48
												*15:50
				17							24	*15:52, 15:114, 15:124
												*15:57
				w								*15:84, 15:237
		15		17								*15:86, 15:188, 15:224
			16	17								*15:91
												*15:108, 15:136, 15:235, 15:249
											24	*15:117
												*15:125
			16									*15:131, 15:161
											24	*15:138
		15										*15:179
												*15:199
											24	*15:241
												*18:06
			16									*18:56, 35:45, 35:71, 44:17, 44:43:01- 44:43:02, 44:144, 45:09, 53:22, 58:07
												*35:54, 51:140, C*07:02:30, C*08:16:02
												*35:62
									22			*35:113, 44:98, 52:31, A*02:376, C*03:125, C*03:176
												*40:73
13												*55:03
13												*55:19
13												*56:19N
												*73:01-73:02
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
105	215	330	205	365	95	160	225	270	215	45	395	Length of spec.
215						230						PCR product(s)
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

