

INTERPRETATION TABLE

HLA-B*37 SSP subtyping

Amplification patterns of the HLA-B*37:01 to *37:37 alleles

	Well ⁶											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	95	200	200	210	145	135	120	80	110	95	205
PCR product(s)		135	235	255			195		155	145	215	
									215			
									495			
Length of int. pos. control ¹	800	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
5'-primer(s) ²	368	206	142	368	142	206	149	527	126	206	363	97
	5'-gTC 3'	5'-AgA 3'	5'-TCT 3'	5'-gTC 3'	5'-TCT 3'	5'-gAA 3'	5'-ggT 3'	5'-TgA 3'	5'-ggA 3'	5'-gAC 3'	5'-AgC 3'	5'-TCC 3'
		363	368			206	206		261		483	
		5'-AAT 3'	5'-gTC 3'			5'-gAC 3'	5'-gAA 3'		5'-AAC 3'		5'-gAA 3'	
									355			
									5'-CCA 3'			
3'-primer(s) ³	538	301	337	527	311	311	301	605	301	275	538	259
	5'-gTC 3'	5'-gTC 3'	5'-CTA 3'	5'-CCT 3'	5'-ggg 3'	5'-ggT 3'	5'-gTC 3'	5'-gCT 3'	5'-gTC 3'	5'-TCA 3'	5'-gTC 3'	5'-CTC 3'
		418	527	583	311				471	311		259
		5'-gTC 3'	5'-CCT 3'	5'-gTg 3'	5'-ggg 3'				5'-gTT 3'	5'-ggT 3'		5'-CTC 3'
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-B allele ⁴												
*37:01:01-37:01:09, 37:31-37:32	1				5							12
*37:02		2			5							12
*37:03N	1		3		5							12
*37:04:01-37:04:02	1			4	5							12
*37:05	1					6						12
*37:06	1				5		7					12
*37:07					5			8				12
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	210	95	200	200	210	145	135	120	80	110	95	205
PCR product(s)		135	235	255			195		155	145	215	
									215			
									495			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*37:08	1				5				9			
*37:09					5						11	12
*37:10	1											12
*37:11, 37:37	1					6						12
*37:12					5							12
*37:13	1		3	4	5							12
*37:14	1					w				10		12
*37:15	1				5							12
*37:16Q	1				5							12
*37:17	1				5							12
*37:18	1				5						11	12
*37:19					5							12
*37:20	1				5							12
*37:21	1				5							12
*37:22	1								9			12
*37:23	1				5							12
*37:24, 37:27 ⁵	1				5							12
*37:25	1				5							12
*37:26	1				5					10		12
*37:28	1	2			5							12
*37:29	1				5							12
*37:30N	1				5				9			12
*37:33N	1				5							12
*37:34	1											12
*37:35	1				5							12
*37:36	1				5		7					12
*07:02:01-07:03, 07:05:01-07:18:02, 07:20-07:24, 07:26, 07:28-07:32, 07:34- 07:39, 07:41-07:47, 07:49N-07:50, 07:52, 07:54-07:59, 07:61-07:64, 07:66- 07:99, 07:101-07:121, 07:123-07:132, 07:135N-07:138, 07:140-07:142, 07:144- 07:145, 07:147-07:154, 07:156-07:163, 07:166-07:176, 08:79, 15:138, 15:230, 15:241, 44:150, 48:05, 48:08, 48:15, C*02:23, C*04:77								8				
*07:04, 07:146								8			11	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	95	200	200	210	145	135	120	80	110	95	205

PCR product(s)		135	235	255			195		155	145	215	
									215			
									495			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*07:19, 07:25, 08:01:01-08:05, 08:07-08:08N, 08:10-08:11, 08:15, 08:17-08:19N, 08:21-08:24, 08:26-08:27, 08:29-08:31, 08:33-08:39, 08:41-08:48, 08:50-08:54, 08:56:01-08:59:01, 08:61, 08:63-08:69, 08:71-08:73, 08:75-08:78, 08:80-08:83, 08:85-08:86N, 08:88, 08:90-08:105, 42:01:01-42:01:03, 42:05:01-42:08, 42:10-42:12, 42:14-42:16											11	
*07:27		2			5			8	9			
*07:65, 07:134						6		8				
*07:133						6		8				
*07:143								8				
*08:09, 08:12:01-08:12:03, 08:16, 08:60, 08:84, 08:89, 15:51, 15:83, 15:179, 15:199, 15:218Q, 38:30, 42:04, 42:13, 44:14, 44:17, 44:51, 44:62, 44:123, 51:08, 51:20, 51:36, 51:44N, 51:97, 51:141, 52:19, 53:22, 55:20, 55:56, 56:13, 57:09, 57:24, 82:01-82:03												
*08:14, 08:28, 08:74, 08:87, 44:106, 44:158											11	
*08:32, 35:87						6					11	
*08:49, C*07:68	1											
*08:62											11	
*13:23, 13:55, 40:47, 40:96, 40:157, 40:201, 44:15, 44:55, 44:103, 49:02												12
*14:10, 38:20, 39:42, 44:117, 51:32												
*15:46, 15:53, 15:106, 15:143, 18:49, 35:03:03, 35:19, 35:27, 35:47, 35:56, 35:154, 35:203, 39:69, 40:10:01-40:10:02, 40:40, 40:49, 40:58, 40:129, 40:164, 40:191, 40:210, 40:219, 44:09, 44:46, 44:75, 44:90, 44:129, 47:02, 50:13, 78:06						6						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	95	200	200	210	145	135	120	80	110	95	205
PCR product(s)		135	235	255			195		155	145	215	
									215			
									495			

Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*15:71, 15:175, 15:204, 15:210, 15:225, 27:33, 40:46, 40:93, 40:208, 48:22, 50:06												12
*15:202, 15:239, 18:01:13, 18:04, 18:25, 18:43, 35:01:01:01-35:02:02, 35:02:04-35:03:02, 35:03:04-35:08:01, 35:08:03-35:08:04, 35:08:06-35:18, 35:20:01-35:24:02, 35:28-35:37, 35:39-35:45, 35:48, 35:51, 35:53N-35:55, 35:57-35:58, 35:60-35:62, 35:64:01-35:72, 35:74-35:83, 35:85-35:86, 35:88-35:114, 35:116-35:153, 35:155-35:161, 35:163-35:168, 35:170-35:197, 35:199-35:202, 35:204-35:206, 35:208-35:209, 35:211-35:216N, 35:218-35:220, 39:19:01-39:19:02, 56:06, 78:01:01-78:05, 78:07						6						
*15:209N, 53:03									9			
*15:212, 35:63, 40:01:01-40:01:04, 40:01:06-40:06:06, 40:09, 40:11:01-40:11:02, 40:14:01-40:14:03, 40:18, 40:20, 40:22N, 40:24, 40:26-40:31, 40:33-40:36, 40:38-40:39, 40:42-40:45, 40:48, 40:50-40:57, 40:59-40:67, 40:70-40:75, 40:77-40:92, 40:94-40:95, 40:97, 40:99-40:105, 40:107-40:108, 40:111-40:116, 40:118N-40:128, 40:130-40:134, 40:138-40:151, 40:154-40:156, 40:159-40:161, 40:163, 40:165, 40:167-40:182, 40:184, 40:186-40:187, 40:189-40:190, 40:192-40:197, 40:199-40:200, 40:202-40:207, 40:211-40:212, 40:214-40:218, 40:221-40:226, 44:131, 45:01-45:02, 45:04-45:08, 45:10-45:13, 50:01:01-50:02, 50:04-50:05, 50:07-50:12, 50:14, 50:16-50:19						6						12
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	95	200	200	210	145	135	120	80	110	95	205
PCR product(s)		135	235	255			195		155	145	215	
									215			
									495			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

*18:01:01:01-18:01:12, 18:01:14-18:03, 18:05-18:06, 18:08, 18:10-18:11, 18:13- 18:15, 18:17N, 18:19-18:24, 18:26- 18:28, 18:30-18:36, 18:38-18:42, 18:44:01-18:47, 18:50-18:53, 18:55, 18:57-18:65, 18:68-18:78, 18:80-18:83						6						
*18:07:01-18:07:02, 18:29, 35:50, 35:84, 35:162						6						
*18:09												
*18:12, 40:185, 40:209						6						12
*18:18				4		6						
*18:37, 18:66, 39:31, 46:14, 54:02, 55:16, 56:35, 73:01-73:02												
*18:48, 40:25, 40:69, 40:166, 50:15						6						
*18:54						5			9			
*18:56						6						
*18:79						6						
*27:01		2										12
*27:02:01-27:05:20, 27:07:01-27:07:03, 27:09-27:10, 27:13-27:17, 27:19, 27:25, 27:27-27:29, 27:31-27:32, 27:34-27:36, 27:38-27:39, 27:41-27:43, 27:45-27:56, 27:58-27:68, 27:70-27:90:02, 27:93, 27:95-27:99		2										12
*27:06, 27:11, 27:20-27:21, 27:24, 27:30, 27:91, 40:19, 40:76, 40:109, 40:117, 44:18, 49:01:01-49:01:04, 49:03-49:09, 49:11-49:23												12
*27:08, 27:12, 27:18, 27:26, 27:40, 27:44		2										12
*27:23		2										
*27:37, 47:04, 48:26		2										
*27:57		2										12
*27:69		2										12
*27:92		2							9			
*27:94N		2										12
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	210	95	200	200	210	145	135	120	80	110	95	205
PCR product(s)		135	235	255			195		155	145	215	
									215			
									495			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*35:02:03						6						
*35:38, 35:115, 35:169						6						

*35:52						6						
*35:59						6						
*35:217, 40:08, 40:68, 40:106						6						
*38:17		2				5			9			
*40:01:05, 40:37, 40:135						6						12
*40:07, 40:162, 40:220						6						12
*40:13												12
*40:15-40:16, 40:23, 40:32, 40:98, 40:158, 40:183, 40:198						6		8				12
*40:136, 41:01, 41:03:01-41:03:02, 41:06- 41:09, 41:12, 41:14, 41:16-41:17, 41:20- 41:22, 41:25, 45:09, 45:14						6						12
*40:152						6						12
*40:153						6						12
*40:188							7					12
*40:213						6						12
*41:02:01-41:02:04, 41:04, 41:11, 41:13, 41:15, 41:18-41:19, 41:23-41:24						6					11	12
*41:05						w						12
*41:10						6					11	12
*42:02, 42:09, 42:17											11	
*45:03						6						12
*47:01:01:01-47:01:02, 47:06-47:08								7				
*47:03						w						
*47:05		2						7				
*51:103, 51:116												
HLA-B allele												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

INTERPRETATION TABLE

HLA-B*37 SSP subtyping

Amplification patterns of the HLA-B*37:01 to *37:37 alleles

Well ⁶												
13	14	15	16	17	18	19	20	21	22	23	24	
170	245	135	170	165	195	215	195	165	175	90	135	Length of spec. PCR product(s)
195							235	195		345		
255								270				
800	1070	1070	1070	1070	1070	1070	800	1070	1070	1070	1070	Length of int. pos. control ¹
97	97	206	409	416	385	97	149	97	520	369	206	5'-primer(s) ²
5'-TCC ^{3'}	5'-TCC ^{3'}	5'-gAC ^{3'}	5'-ggC ^{3'}	5'-CCg ^{3'}	5'-ggg ^{3'}	5'-TCC ^{3'}	5'-ggT ^{3'}	5'-TCC ^{3'}	5'-CgA ^{3'}	5'-TAC ^{3'}	5'-gAC ^{3'}	
							368			3 rd I		
							5'-gTC ^{3'}			5'-Agg ^{3'}		
227	302	302	538	538	538	272	301	221	3 rd I	419	301	3'-primer(s) ³
5'-CTg ^{3'}	5'-ggC ^{3'}	5'-ggC ^{3'}	5'-gTC ^{3'}	5'-gTC ^{3'}	5'-gTC ^{3'}	5'-TgA ^{3'}	5'-gTC ^{3'}	5'-ACC ^{3'}	5'-TAT ^{3'}	5'-CgA ^{3'}	5'-gCT ^{3'}	
251							563	251		872		
5'-CCT ^{3'}							5'-CgT ^{3'}	5'-CCT ^{3'}		5'-TCA ^{3'}		
309								326				
5'-gTg ^{3'}								5'-TgC ^{3'}				
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												HLA-B allele ⁴
												*37:01:01-37:01:09, 37:31-37:32
												*37:02
												*37:03N
												*37:04:01-37:04:02
												*37:05
												*37:06
												*37:07
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

170	245	135	170	165	195	215	195	165	175	90	135	Length of spec.
195							235	195		345		PCR product(s)
255								270				
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												*37:08
			16									*37:09
13												*37:10
	14	15									24	*37:11, 37:37
			16									*37:12
												*37:13
											24	*37:14
13												*37:15
							20					*37:16Q
								22				*37:17
												*37:18
										23		*37:19
				18								*37:20
					19							*37:21
												*37:22
										23		*37:23
								21				*37:24, 37:27 ⁵
			17									*37:25
												*37:26
												*37:28
											24	*37:29
												*37:30N
13								21				*37:33N
												*37:34
			16									*37:35
							20					*37:36
												*07:02:01-07:03, 07:05:01-07:18:02, 07:20-07:24, 07:26, 07:28-07:32, 07:34- 07:39, 07:41-07:47, 07:49N-07:50, 07:52, 07:54-07:59, 07:61-07:64, 07:66- 07:99, 07:101-07:121, 07:123-07:132, 07:135N-07:138, 07:140-07:142, 07:144- 07:145, 07:147-07:154, 07:156-07:163, 07:166-07:176, 08:79, 15:138, 15:230, 15:241, 44:150, 48:05, 48:08, 48:15, C*02:23, C*04:77
			16									*07:04, 07:146
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
170	245	135	170	165	195	215	195	165	175	90	135	Length of spec.

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
	14											*15:71, 15:175, 15:204, 15:210, 15:225, 27:33, 40:46, 40:93, 40:208, 48:22, 50:06
		15									24	*15:202, 15:239, 18:01:13, 18:04, 18:25, 18:43, 35:01:01-35:02:02, 35:02:04-35:03:02, 35:03:04-35:08:01, 35:08:03-35:08:04, 35:08:06-35:18, 35:20:01-35:24:02, 35:28-35:37, 35:39-35:45, 35:48, 35:51, 35:53N-35:55, 35:57-35:58, 35:60-35:62, 35:64:01-35:72, 35:74-35:83, 35:85-35:86, 35:88-35:114, 35:116-35:153, 35:155-35:161, 35:163-35:168, 35:170-35:197, 35:199-35:202, 35:204-35:206, 35:208-35:209, 35:211-35:216N, 35:218-35:220, 39:19:01-39:19:02, 56:06, 78:01:01-78:05, 78:07
												*15:209N, 53:03
	14											*15:212, 35:63, 40:01:01-40:01:04, 40:01:06-40:06:06, 40:09, 40:11:01-40:11:02, 40:14:01-40:14:03, 40:18, 40:20, 40:22N, 40:24, 40:26-40:31, 40:33-40:36, 40:38-40:39, 40:42-40:45, 40:48, 40:50-40:57, 40:59-40:67, 40:70-40:75, 40:77-40:92, 40:94-40:95, 40:97, 40:99-40:105, 40:107-40:108, 40:111-40:116, 40:118N-40:128, 40:130-40:134, 40:138-40:151, 40:154-40:156, 40:159-40:161, 40:163, 40:165, 40:167-40:182, 40:184, 40:186-40:187, 40:189-40:190, 40:192-40:197, 40:199-40:200, 40:202-40:207, 40:211-40:212, 40:214-40:218, 40:221-40:226, 44:131, 45:01-45:02, 45:04-45:08, 45:10-45:13, 50:01:01-50:02, 50:04-50:05, 50:07-50:12, 50:14, 50:16-50:19
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
170	245	135	170	165	195	215	195	165	175	90	135	Length of spec.
195							235	195		345		PCR product(s)
255								270				
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

	14	15									24	*18:01:01:01-18:01:12, 18:01:14-18:03, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:15, 18:17N, 18:19-18:24, 18:26-18:28, 18:30-18:36, 18:38-18:42, 18:44:01-18:47, 18:50-18:53, 18:55, 18:57-18:65, 18:68-18:78, 18:80-18:83
	14	15				19					24	*18:07:01-18:07:02, 18:29, 35:50, 35:84, 35:162
13												*18:09
	14	15									24	*18:12, 40:185, 40:209
	14	15									24	*18:18
	14											*18:37, 18:66, 39:31, 46:14, 54:02, 55:16, 56:35, 73:01-73:02
	14											*18:48, 40:25, 40:69, 40:166, 50:15
												*18:54
	14	15	16								24	*18:56
						19						*18:79
13												*27:01
												*27:02:01-27:05:20, 27:07:01-27:07:03, 27:09-27:10, 27:13-27:17, 27:19, 27:25, 27:27-27:29, 27:31-27:32, 27:34-27:36, 27:38-27:39, 27:41-27:43, 27:45-27:56, 27:58-27:68, 27:70-27:90:02, 27:93, 27:95-27:99
												*27:06, 27:11, 27:20-27:21, 27:24, 27:30, 27:91, 40:19, 40:76, 40:109, 40:117, 44:18, 49:01:01-49:01:04, 49:03-49:09, 49:11-49:23
	14											*27:08, 27:12, 27:18, 27:26, 27:40, 27:44
						19						*27:23
								21				*27:37, 47:04, 48:26
										23		*27:57
												*27:69
												*27:92
13								21				*27:94N
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
170	245	135	170	165	195	215	195	165	175	90	135	Length of spec.
195							235	195		345		PCR product(s)
255								270				
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
											24	*35:02:03
		15	16								24	*35:38, 35:115, 35:169

