INTERPRETATION TABLE

HLA-C*16 SSP subtyping

Amplification patterns of the HLA-C*16:01 to 16:57 alleles

	Well[11]											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	205	75	220	140	160	130	100	130	85	215	170	105
PCR product(s)						160	210		140	350	540	210
						210			205			245
Length of int. pos. control[1]	800	1070	800	800	800	800	1070	1070	1070	800	1070	1070
5'-primer(s)[2]	360	270	361	201	419	113	244	126	256	385	289	361
	5'-CAg 3'	5'-AAg 3'	5'-AgT 3'	5'-CCA 3'	5'-gTC 3'	5'-CCA 3'	5'-CgC 3'	5'-ggA 3'	5'-ACg 3'	5'-ggT 3'	5'-Agg 3'	5'-AgT 3'
	361					124	369		361	523	409	
	5'-AgT 3'					5'-gCC 3'	5'-TAC 3'		5'-AgT 3'	5'-CCg 3'	5'-ggC 3'	
						368						
						5'-gTC 3'						
						418						
						5'-Agg 3'						
3'-primer(s)[3]	527	302	538	302	539	201	302	205	302	3rd I	539	427
	5'-CCg 3'	5'-ggT 3'	5'-CCA 3'	5'-ggC 3'	5'-TCT 3'	5'-CTT 3'	5'-ggT 3'	5'-CCT 3'	5'-ggT 3'	5'-CTC 3'	5'-TCT 3'	5'-gTA 3'
	527					539	539	220	461			530
	5'-CCg 3'					5'-TCT 3'	5'-TCT 3'	5'-CgA 3'	5'-gCT 3'			5'-CCA 3'
									527			563
									5'-CCg 3'			5'-CgT 3'
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	**205**	**75**	**220**	**140**	**160**	**130**	**100**	**130**	**85**	**215**	**170**	**105**
PCR product(s)						**160**	**210**		**140**	**350**	**540**	**210**
						210			**205**			**245**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
HLA-C allele[4,5]												
***16:01:01, 16:01:03**-16:01:13, 16:34, 16:36, 16:41, 16:44, 16:51, 16:54	**1**			**4**	**5**							
*16:01:02	**1**				**5**							
***16:02:01**-16:02:09, 16:47, 16:57	**1**	**2**			**5**							
***16:04:01,** 16:33	**1**		**3**	**4**								
*16:06				**4**	**5**	**6**						
*16:07:01				**4**	**5**		**7**					
***16:07:02**				**4**	**5**							
***16:08**	**1**			**4**	**5**			**8**				
*16:09	**1**	**2**			**5**		**7**					
*16:10	**1**			**4**		**6**						
*16:11	**1**			**4**	**5**	**6**						
*16:12	**1**	**2**			**5**				**9**			
***16:13**	**1**			**4**	**5**					**10**		
***16:14**	**1**			**4**	**5**							
***16:15:01**-16:15:02, 16:20[6]	**1**			**4**	**5**						**11**	
***16:16Q**-16:17[7]	**1**			**4**	**5**							**12**
***16:18**	**1**			**4**	**5**							
***16:19**	**1**	**2**			**5**					**10**		
*16:21**, 16:39**[12]	**1**			**4**	**5**							
***16:22**				**4**	**5**							**12**
*16:23	**1**			**4**	**5**							
***16:24**	**1**			**4**	**5**							
***16:25**	**1**	**2**			**5**						**11**	
***16:26**	**1**			**4**	**5**							
***16:27**, 16:32[8]	**1**			**4**	**5**							
*16:28, 16:31, 16:50[9]	**1**			**4**	**5**							
*16:29	**1**		**3**	**4**								
*16:30N, 16:56[10]	**1**			**4**	**5**							
***16:35**				**4**					**9**			
*16:37	**1**			**w**	**5**							
***16:38**	**1**			**4**	**5**			**8**				
*16:40, 16:53				**4**								
***16:42**	**1**		**3**	**4**								
*16:43				**4**	**5**							
*16:45	**1**			**4**								

Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Length of spec.	**205**	**75**	**220**	**140**	**160**	**130**	**100**	**130**	**85**	**215**	**170**	**105**
PCR product(s)						**160**	**210**		**140**	**350**	**540**	**210**
						210			**205**			**245**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
*16:46	**1**	**2**			**5**							
*16:48		**2**							**9**			
***16:49**	**1**			**4**	**5**							
***16:52**	**1**			**4**	**5**				**9**			
*16:55	**1**		**3**	**4**								
*01:04, 01:09, 12:03:04, 12:03:09, 14:16			**3**									
*01:05, 01:36, 01:55, 02:02:12, 02:66, 03:05, 03:13, 03:25, 03:27, 03:35, 03:135, 03:167, 03:178, 05:36, 07:01:23, 07:02:11, 07:03, 07:07, 07:16, 07:20, 07:36, 07:51, 07:56:01-07:56:02, 07:59-07:60, 07:64, 07:79, 07:88, 07:96:01, 07:109, 07:127, 07:227N, 07:263, 12:27, 14:09, 15:22, 15:65												
*01:10, 14:25												
*01:14, 01:59, 02:02:09, 02:37, 02:57, 02:62, 03:07, 03:15, 03:45, 03:130, 03:140, 03:163, 05:01:21, 05:07N, 05:10, 05:16, 05:31, 05:85, 12:09, 14:04, 14:12, 14:49, 15:11, 15:16-15:17, 17:01:01:01-17:10, 17:12-17:15, 17:17-17:19		**2**										
*01:21, 02:27:01-02:27:02, 04:11, 04:55, 08:01:01-08:09, 08:11, 08:13-08:27, 08:29-08:33:03, 08:35-08:36N, 08:38-08:43, 08:45-08:60, 08:62-08:63, 08:65-08:68, 08:70-08:77, 12:02:01-12:02:09, 12:08, 12:10:01-12:10:02, 12:14:01-12:14:02, 12:17-12:18:02, 12:22, 12:30, 12:36, 12:49, 12:56, 12:64, 12:67-12:69, 12:73-12:74, 12:80N, 12:83-12:86				**4**								

*01:23, 01:58, 07:01:11, 07:01:28, 07:04:01-07:04:04, 07:04:06-07:04:08, 07:10-07:12, 07:43, 07:45, 07:63, 07:101, 07:139, 07:142, 07:184, 07:195-07:196, 07:272, 07:302												
*01:27												**12**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Length of spec.	**205**	**75**	**220**	**140**	**160**	**130**	**100**	**130**	**85**	**215**	**170**	**105**
PCR product(s)						**160**	**210**		**140**	**350**	**540**	**210**
						210			**205**			**245**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
*02:02:01-02:02:03, 02:02:05-02:02:08, 02:02:10-02:02:11, 02:02:13-02:04, 02:06-02:11, 02:13, 02:15-02:16:02, 02:18-02:20, 02:22-02:26:03, 02:28-02:33, 02:35-02:36, 02:38N-02:40, 02:42-02:48, 02:50-02:56, 02:58-02:61, 02:63-02:65, 02:67, 04:01:10, 04:01:23, 04:27, 04:33, 04:52, 04:107, 04:116, 04:130, 05:01:01:01-05:01:20, 05:01:22-05:01:26, 05:03-05:06, 05:08-05:09:02, 05:11-05:15, 05:17-05:24, 05:26-05:30, 05:32-05:35, 05:37-05:41, 05:44:01-05:55, 05:57-05:80, 05:82-05:84, 05:86-05:91N, 08:10, 12:21, 12:41, 17:16		**2**										
*02:05, 02:17		**2**	**3**									
*02:12, 12:72				**w**								
*02:14, 05:43		**2**										
*02:21		**2**				**6**						
*02:34		**2**					**7**					
*02:49, 04:03, 04:06, 04:140, 05:25, 05:42		**2**										
*03:04:25, 08:12, 08:34, 08:44, 08:61, 12:19-12:20, 12:24, 12:44, 14:02:03, 14:03, 14:08, 14:10, 14:22, 14:35N, 14:38, 14:41, 15:07, *B*35:08:02, B*35:08:05, B*67:02*				**4**								
*03:108, 03:150												

*04:01:01:01-04:01:09, 04:01:11-04:01:22, 04:01:25-04:01:28, 04:01:30-04:01:51, 04:04:01-04:05, 04:07-04:10, 04:12-04:13, 04:15:01-04:20, 04:23-04:26, 04:28, 04:30-04:32, 04:34-04:35, 04:38-04:39, 04:41, 04:43-04:51, 04:53-04:54, 04:56-04:67, 04:70-04:79, 04:81-04:91, 04:93N-04:99, 04:102-04:106, 04:108-04:109, 04:111, 04:113-04:115N, 04:118-04:129, 04:131-04:139, 04:141-04:145		**2**										
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Length of spec.	**205**	**75**	**220**	**140**	**160**	**130**	**100**	**130**	**85**	**215**	**170**	**105**
PCR product(s)						**160**	**210**		**140**	**350**	**540**	**210**
						210			**205**			**245**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
*04:01:24, 04:37, 04:40, 04:100, 04:110, 04:117		**2**										
*04:01:29, 04:92, 04:112												
*04:14, 04:68		**2**									**11**	
*04:29, 04:36				**4**								
*04:42		**2**										
*04:69		**2**							**9**			
*04:80		**2**										
*04:101		**2**								**10**		
*05:56		**2**										
*05:81		**2**								**10**		
*06:02:01:01-06:02:01:02, 06:02:03-06:02:09, 06:02:11, 06:02:14-06:02:15, 06:02:17-06:03:02, 06:07, 06:09-06:10, 06:12-06:13, 06:15-06:21, 06:23-06:25, 06:27-06:29, 06:33-06:34, 06:36-06:39, 06:41-06:43:02, 06:45-06:51, 06:54-06:71, 06:73-06:76:01, 06:77-06:78, 06:80, 06:82-06:86, 06:88-06:89, 06:91-06:99		**2**	**3**									
*06:02:10, 06:26, 06:30, 06:53:01-06:53:02, 12:04:01-12:05, 12:33, 12:54, 12:60		**2**	**3**									
*06:02:12-06:02:13, 06:11, 06:44, 06:52			**3**									

*06:02:16, 06:04, 06:06, 06:14, 06:35, 06:40, 06:72, 06:79N, 06:81, 17:11		**2**										
*06:05		**2**										
*06:08, 06:22, 06:90		**2**	**3**									
*06:31	**1**	**2**	**3**									
*06:32		**2**	**3**									
*06:76:02		**2**	**3**									
*06:87		**2**	**3**							**10**		
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Length of spec.	**205**	**75**	**220**	**140**	**160**	**130**	**100**	**130**	**85**	**215**	**170**	**105**
PCR product(s)						**160**	**210**		**140**	**350**	**540**	**210**
						210			**205**			**245**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
*07:01:01:01-07:01:10, 07:01:12-07:01:22, 07:01:24-07:01:27, 07:01:29-07:02:08, 07:02:10, 07:02:12-07:02:41, 07:05-07:06, 07:08-07:09, 07:13-07:15, 07:17:01-07:19, 07:21-07:23, 07:26-07:30, 07:32N-07:33N, 07:35, 07:37-07:42, 07:44, 07:46-07:48, 07:50, 07:52, 07:54-07:55N, 07:57-07:58, 07:61N-07:62, 07:65-07:75, 07:77-07:78, 07:80-07:87, 07:89-07:95, 07:96:02-07:100, 07:102-07:108, 07:110-07:113, 07:115-07:126, 07:128-07:138, 07:140-07:141:02, 07:143-07:176, 07:178-07:180, 07:182-07:183, 07:185-07:194, 07:197-07:215, 07:217, 07:219-07:226, 07:228-07:237, 07:239-07:262, 07:264N-07:271, 07:273-07:294, 07:296-07:301, 07:303-07:307, 18:05												
*07:02:09				**4**								
*07:24, 07:114, 07:218										**10**		
*07:25												
*07:31:01-07:31:02									**9**			
*07:49, 07:76, 07:238, 18:01-18:04, 18:06		**2**										
*07:53					**5**						**11**	
*07:177, 14:15									**9**			
*07:216					**5**	**6**					**11**	
*08:28				**4**								

*08:37, 12:16				**4**								
*08:69				**4**								
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Length of spec.	**205**	**75**	**220**	**140**	**160**	**130**	**100**	**130**	**85**	**215**	**170**	**105**
PCR product(s)						**160**	**210**		**140**	**350**	**540**	**210**
						210			**205**			**245**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
*12:03:01:01-12:03:03, 12:03:05-12:03:08, 12:03:10-12:03:23, 12:03:25, 12:06-12:07, 12:11-12:13, 12:15, 12:23, 12:25-12:26, 12:29, 12:31-12:32, 12:34-12:35, 12:37-12:39N, 12:42Q-12:43, 12:46N-12:48, 12:50-12:53, 12:55, 12:57-12:59, 12:61-12:63, 12:65-12:66, 12:70-12:71, 12:75-12:79, 12:81-12:82, 12:87-12:95			**3**	**4**								
*12:03:24			**3**	**w**								
*12:28			**3**	**4**								
*12:40				**4**								
*12:45			**3**	**4**						**10**		
*15:21				**w**								
*15:23, 15:63												
*15:25				**4**								
*15:62												
*A*24:73, A*24:157, B*07:66, B*51:55*											**11**	
*A*24:106*						**6**						
*A*24:174*					**5**							
*B*46:25*					**5**		**7**				**11**	
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**

INTERPRETATION TABLE

HLA-C*16 SSP subtyping

Amplification patterns of the HLA-C*16:01 to 16:57 alleles

Well[11]												
13	14	15	16	17	18	19	20	21	22	23	24	
130	210	130	375	180	120	110	95	210	210	95	445	Length of spec.
					255	240	145			170	595	PCR product(s)
1070	1070	1070	1070	1070	1070	**800**	1070	1070	**800**	1070	1070	Length of int. pos. control[1]
126	368	97	361	201	126	361	436	368	524	201	379	5'-primer(s)[2]
5' -ggA 3'	5' -gTg 3'	5' -TCg 3'	5' -AgA 3'	5' -CCA 3'	5' -ggA 3'	5' -AgT 3'	5' -AgA 3'	5' -gTT 3'	5' -CCA 3'	5' -CCA 3'	5' -ACg 3'	
		124					485				527	
		5' -gCC 3'					5' -CAA 3'				5' -TgA 3'	
214	539	201	3rd I	341	205	430	539	539	3rd I	257	3rd I	3'-primer(s)[3]
5' -CCA 3'	5' -TCT 3'	5' -CTT 3'	5' -CTC 3'	5' -CgT 3'	5' -CCT 3'	5' -gCg 3'	5' -TCT 3'	5' -TCT 3'	5' -CTC 3'	5' -CCT 3'	5' -gCA 3'	
					341	559				331		
					5' -CgT 3'	5' -CTC 3'				5' -CTA 3'		
						565						
						5' -CAT 3'						
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

130	210	130	375	180	120	110	95	210	210	95	445	Length of spec.
					255	240	145			170	595	PCR product(s)
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												HLA-C allele[4,5]
												***16:01:01, 16:01:03**-16:01:13, 16:34, 16:36, 16:41, 16:44, 16:51, 16:54
												*16:01:02
												***16:02:01**-16:02:09, 16:47, 16:57
												***16:04:01,** 16:33
			16									*16:06
			16									*16:07:01
			16									***16:07:02**
												***16:08**
												*16:09
												*16:10
												*16:11
												*16:12
												***16:13**
13												***16:14**
												***16:15:01**-16:15:02, 16:20[6]
												***16:16Q**-16:17[7]
	14											***16:18**
												***16:19**
		15										*16:21**, 16:39**[12]
												***16:22**
								21				*16:23
									22			***16:24**
												***16:25**
				17	**18**							***16:26**
							20					***16:27**, 16:32[8]
						19						*16:28, 16:31, 16:50[9]
						19						*16:29
										23		*16:30N, 16:56[10]
												***16:35**
												*16:37
					18							***16:38**
											24	*16:40, 16:53
										23		***16:42**
												*16:43
												*16:45

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
130	**210**	**130**	**375**	**180**	**120**	**110**	**95**	**210**	**210**	**95**	**445**	**Length of spec.**
					255	**240**	**145**			**170**	**595**	**PCR product(s)**
13	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**Well No.**
				17	**18**							*16:46
												*16:48
											24	***16:49**
												***16:52**
				17	**18**							*16:55
												*01:04, 01:09, 12:03:04, 12:03:09, 14:16
			16									*01:05, 01:36, 01:55, 02:02:12, 02:66, 03:05, 03:13, 03:25, 03:27, 03:35, 03:135, 03:167, 03:178, 05:36, 07:01:23, 07:02:11, 07:03, 07:07, 07:16, 07:20, 07:36, 07:51, 07:56:01-07:56:02, 07:59-07:60, 07:64, 07:79, 07:88, 07:96:01, 07:109, 07:127, 07:227N, 07:263, 12:27, 14:09, 15:22, 15:65
						19						*01:10, 14:25
												*01:14, 01:59, 02:02:09, 02:37, 02:57, 02:62, 03:07, 03:15, 03:45, 03:130, 03:140, 03:163, 05:01:21, 05:07N, 05:10, 05:16, 05:31, 05:85, 12:09, 14:04, 14:12, 14:49, 15:11, 15:16-15:17, 17:01:01:01-17:10, 17:12-17:15, 17:17-17:19
			16									*01:21, 02:27:01-02:27:02, 04:11, 04:55, 08:01:01-08:09, 08:11, 08:13-08:27, 08:29-08:33:03, 08:35-08:36N, 08:38-08:43, 08:45-08:60, 08:62-08:63, 08:65-08:68, 08:70-08:77, 12:02:01-12:02:09, 12:08, 12:10:01-12:10:02, 12:14:01-12:14:02, 12:17-12:18:02, 12:22, 12:30, 12:36, 12:49, 12:56, 12:64, 12:67-12:69, 12:73-12:74, 12:80N, 12:83-12:86

					18							*01:23, 01:58, 07:01:11, 07:01:28, 07:04:01-07:04:04, 07:04:06-07:04:08, 07:10-07:12, 07:43, 07:45, 07:63, 07:101, 07:139, 07:142, 07:184, 07:195-07:196, 07:272, 07:302
												*01:27
13	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**Well No.**
130	**210**	**130**	**375**	**180**	**120**	**110**	**95**	**210**	**210**	**95**	**445**	**Length of spec.**
					255	**240**	**145**			**170**	**595**	**PCR product(s)**
13	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**Well No.**
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						19						*02:05, 02:17
			16									*02:12, 12:72
		15	**16**									*02:14, 05:43
			16									*02:21
			16									*02:34
			16	**17**	**18**							*02:49, 04:03, 04:06, 04:140, 05:25, 05:42
												*03:04:25, 08:12, 08:34, 08:44, 08:61, 12:19-12:20, 12:24, 12:44, 14:02:03, 14:03, 14:08, 14:10, 14:22, 14:35N, 14:38, 14:41, 15:07, *B*35:08:02, B*35:08:05, B*67:02*
									22			*03:108, 03:150

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					255	**240**	**145**			**170**	**595**	**PCR product(s)**
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			16	**17**								*04:01:29, 04:92, 04:112
			16	**17**								*04:14, 04:68
			16	**17**								*04:29, 04:36
		15	**16**	**17**								*04:42
			16	**17**								*04:69
				17	**18**							*04:80
			16	**17**								*04:101
			16							**23**		*05:56
			16									*05:81
					18							*06:02:01:01-06:02:01:02, 06:02:03-06:02:09, 06:02:11, 06:02:14-06:02:15, 06:02:17-06:03:02, 06:07, 06:09-06:10, 06:12-06:13, 06:15-06:21, 06:23-06:25, 06:27-06:29, 06:33-06:34, 06:36-06:39, 06:41-06:43:02, 06:45-06:51, 06:54-06:71, 06:73-06:76:01, 06:77-06:78, 06:80, 06:82-06:86, 06:88-06:89, 06:91-06:99
												*06:02:10, 06:26, 06:30, 06:53:01-06:53:02, 12:04:01-12:05, 12:33, 12:54, 12:60
					18							*06:02:12-06:02:13, 06:11, 06:44, 06:52

					18							*06:02:16, 06:04, 06:06, 06:14, 06:35, 06:40, 06:72, 06:79N, 06:81, 17:11
		15		17	18							*06:05
					18	19						*06:08, 06:22, 06:90
					18							*06:31
13					18							*06:32
				17	18							*06:76:02
					18							*06:87
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130	**210**	**130**	**375**	**180**	**120**	**110**	**95**	**210**	**210**	**95**	**445**	**Length of spec.**
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		15	16	17	18							*07:02:09
			16		18							*07:24, 07:114, 07:218
			16		18				22			*07:25
					18							*07:31:01-07:31:02
			16		18							*07:49, 07:76, 07:238, 18:01-18:04, 18:06
			16		18							*07:53
												*07:177, 14:15
			16		18							*07:216
			16	17	18							*08:28

		15	**16**									*08:37, 12:16
			16							**23**		*08:69
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												*12:03:24
				17	**18**							*12:28
13			**16**									*12:40
												*12:45
												*15:21
		15										*15:23, 15:63
				17	**18**							*15:25
				17	**18**							*15:62
												*A*24:73, A*24:157, B*07:66, B*51:55*
												*A*24:106*
												*A*24:174*
												*B*46:25*
13	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**Well No.**