INTERPRETATION TABLE

HLA-C*15 SSP subtyping

Amplification patterns of the HLA-C*15:02 to 15:65 alleles

	Well[11]															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	325	175	70	315	100	305	140	160	135	170	315	100	125	130	85	90
PCR product(s)			195			345		185	305			240	185	440		165
						370										345
Length of int. pos. control[1]	800	1070	1070	1070	1070	1070	800	1070	1070	1070	800	1070	1070	800	1070	1070
5'-primer[2]	409	134	134	419	420	355	201	125	97	1st I	420	105	201	270	270	261
	5'-ggC 3'	5'-CCA 3'	5'-CCA 3'	5'-gTC 3'	5'-TTC 3'	5'-CCC 3'	5'-CCA 3'	5'-CgA 3'	5'-TCg 3'	5'-CgA 3'	5'-TTA 3'	5'-gCT 3'	5'-CCA 3'	5'-AAg 3'	5'-AAC 3'	5'-AAC 3'
						379		420	118		420		2nd I	757		379
						5'-ACg 3'		5'-TTA 3'	5'-CCA 3'		5'-TTA 3'		5'-CCA 3'	5'-CCC 3'		5'-ACg 3'
						419			430							560
						5'-gTA 3'			5'-ACC 3'							5'-CCT 3'
3'-primer[3]	3rd I	270	164	3rd I	477	3rd I	302	270	201	134	3rd I	164	343	420	312	312
	5'-CTC 3'	5'-TAg 3'	5'-gCA 3'	5'-CTC 3'	5'-gCg 3'	5'-ggA 3'	5'-ggC 3'	5'-TAg 3'	5'-CTT 3'	5'-AgC 3'	5'-CTC 3'	5'-gCA 3'	5'-T 3'	5'-gCT 3'	5'-AgT 3'	5'-AgT 3'
			289				302	539	3rd I			302	412	846		3rd I
			5'-AgC 3'				5'-ggC 3'	5'-TCC 3'	5'-CTC 3'			5'-ggC 3'	5'-gTT 3'	5'-CAC 3'		5'-ggA 3'
												302				
												5'-ggC 3'				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-C allele[4,5]																
***15:02:01**-15:02:15, 15:49-15:51, 15:53, 15:57, 15:60, 15:62	1	2									11				15	
*15:03	1	2	3								11				15	
***15:04**		2		4											15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	325	175	70	315	100	305	140	160	135	170	315	100	125	130	85	90
PCR product(s)			195			345		185	305			240	185	440		165
						370										345
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

*15:05:01-15:05:08, 15:54, 15:59	1	2			5										15	
***15:06:01-15:06:03**, 15:55	1	2				6									15	
***15:07**	1	2					7				11	12				
*15:08	1	2						8			11				15	
***15:09**, 15:61	1	2		4											15	
*15:10:01-**15:10:02**	1									10	11				15	
***15:11**	1								9		11			14		
*15:12	1	2									11		13		15	
***15:13**	1	2									11			14	15	
*15:15	1	2									11				15	16
*15:16	1		3								11			14		
***15:17**	1										11			14		
*15:18	1	2							9		11				15	
***15:19**	1	2		4				8							15	
*15:21	1	2					7				11	12			15	
***15:22**	1	2			5	6									15	
***15:23**	1	2			5				9						15	
***15:24**	1	2											13		15	
*15:25			w				7					12				
***15:26**	1	2				6					11				15	16
***15:27**	1			4												16
***15:28**	1	2	3								11	12			15	
*15:29	1	2			5										15	
***15:30**		2		4											15	
***15:31, 15:33**[6]	1	2									11				15	
***15:32Q**, 15:41[7]	1	2									11				15	
*15:34, **15:39**[8]	1	2									11				15	
*15:35, 15:47[9]	1	2									11				15	
***15:36**	1	2			5										15	
*15:37, 15:58	1	2				6					11				15	
*15:38	1	2									11				15	
***15:40**		2				6									15	
***15:42**	1	2									11				15	
*15:43	1										11	12		14		
***15:44**-15:45[10]	1	2									11				15	
*15:46	1	2			5										15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec. PCR product(s)	325	175	70	315	100	305	140	160	135	170	315	100	125	130	85	90
			195			345		185	305			240	185	440		165
						370										345
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*15:48	1	2									11					
***15:52**	1	2									11				15	
***15:56**	1	2									11				15	
*15:63	1								9		11				15	
*15:64, 15:66		2													15	
*15:65		2		4		6									15	

*01:04, 01:54, 02:02:13, 02:21, 02:26:01-02:26:03, 02:39, 02:45, 06:02:01:01-06:02:01:02, 06:02:03-06:04, 06:06-06:08, 06:10-06:27, 06:29-06:33, 06:35-06:37, 06:39-06:43, 06:45-06:69, 06:71-06:73, 06:75, 06:77-06:88, 06:90-06:96, 07:01:01:01-07:02:08, 07:02:10-07:03, 07:05-07:06, 07:08, 07:10, 07:14-07:19, 07:21-07:27:02, 07:30-07:33N, 07:35-07:40, 07:42-07:44, 07:46-07:62, 07:65-07:72, 07:74-07:91, 07:93-07:95, 07:97-07:100, 07:102-07:122, 07:124-07:126, 07:128-07:138, 07:140-07:141:02, 07:143-07:171, 07:175-07:176, 07:178-07:180, 07:182-07:183, 07:185-07:198N, 07:200-07:218, 07:220-07:230, 07:232-07:247, 07:249-07:262, 07:264N-07:271, 07:273-07:288, 07:291-07:293, 07:296-07:297, 07:299, 14:02:10, 14:18				**4**												
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec. PCR product(s)	**325**	**175**	**70**	**315**	**100**	**305**	**140**	**160**	**135**	**170**	**315**	**100**	**125**	**130**	**85**	**90**
			195			**345**		**185**	**305**			**240**	**185**	**440**		**165**
						370										**345**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
*01:21, 12:71, 14:03, 14:22, 14:35N, 14:38, 14:41				**4**			**7**									
*01:30																

*01:64, 03:18, 03:64:02, 04:01:01:01-04:01:02, 04:01:04-04:01:48, 04:04:01-04:05, 04:07-04:10, 04:12-04:15:03, 04:17-04:20, 04:23-04:28, 04:30-04:35, 04:37-04:41, 04:43-04:51, 04:53, 04:56-04:79, 04:81-04:88N, 04:90-04:106, 04:109-04:111, 04:113-04:132, 04:134, 04:136-04:139, 04:141-04:144, 05:01:01:01-05:01:21, 05:01:23-05:01:26, 05:03, 05:05-05:20, 05:22:01-05:25, 05:27-05:35, 05:37-05:42, 05:44:01-05:46, 05:48N-05:54, 05:56-05:57, 05:59-05:87, 08:10, 14:26, 17:01:01:01-17:01:07, 17:01:09-17:19, 18:04										**10**						
*02:02:01-02:02:03, 02:02:05-02:02:12, 02:02:14-02:05, 02:09-02:11, 02:13-02:18, 02:20, 02:24-02:25Q, 02:28-02:34, 02:37-02:38N, 02:40, 02:42-02:44, 02:46, 02:48, 02:50-02:54, 02:56-02:67, 06:05				**4**					**9**							
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec. PCR product(s)	**325**	**175**	**70**	**315**	**100**	**305**	**140**	**160**	**135**	**170**	**315**	**100**	**125**	**130**	**85**	**90**
			195			**345**		**185**	**305**			**240**	**185**	**440**		**165**
						370										**345**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
*02:06	**1**							**8**	**9**		**11**			**14**		
*02:07, 02:19, 02:22									**9**							
*02:08				**4**					**9**	**10**						
*02:12			**w**	**4**			**7**		**9**			**12**				
*02:23	**1**								**9**							
*02:27:01-02:27:02, 16:34				**4**			**7**		**9**			**12**				
*02:35				**4**					**9**							
*02:36	**1**			**4**					**9**							

*02:47								**8**	**9**		**11**			**14**		
*02:49, 02:55			**3**	**4**					**9**							
*03:02:01-03:02:09, 03:14, 03:16, 03:33, 03:36, 03:40:01-03:40:03, 03:42-03:43:02, 03:60, 03:71, 03:84, 03:89, 03:95, 03:108, 03:110, 03:119, 03:121N, 03:132, 03:139, 03:146, 03:169				**4**								**12**				
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec. PCR product(s)	**325**	**175**	**70**	**315**	**100**	**305**	**140**	**160**	**135**	**170**	**315**	**100**	**125**	**130**	**85**	**90**
			195			**345**		**185**	**305**			**240**	**185**	**440**		**165**
						370										**345**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
*03:03:01-03:03:14, 03:03:16-03:04:16, 03:04:18-03:04:24, 03:04:27-03:06, 03:09-03:11:02, 03:13, 03:17, 03:20N-03:26, 03:28, 03:30, 03:32, 03:34-03:35, 03:37:01-03:37:02, 03:41, 03:44, 03:46-03:59, 03:61-03:63, 03:65-03:66, 03:68, 03:70, 03:72-03:80, 03:82-03:83, 03:85-03:88, 03:90-03:94, 03:96-03:98, 03:100-03:101, 03:103-03:107, 03:109, 03:111-03:114, 03:116:01-03:118, 03:120, 03:122-03:129, 03:131, 03:133, 03:135, 03:138, 03:141-03:143, 03:145, 03:147-03:155, 03:157-03:162, 03:164-03:165, 03:167-03:168, 03:171-03:174, 03:176-03:181, 03:183-03:185, *B*40:164*												**12**				
*03:03:15												**w**				
*03:04:25							**7**					**12**				
*03:08, 03:31		**2**										**12**				
*03:12, 03:19, 03:102 *03:15, 06:70			**3**	**4**							**11**	**12**		**14**		
*03:27, 03:38:01-03:38:02, 03:69, 03:136			**w**									**12**				

*03:29		2										12			15	
*03:64:01										10		12				
*03:81	1											12				
*03:130, 03:163, 04:16			3													
*03:175	1			4								12				
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec.	**325**	**175**	**70**	**315**	**100**	**305**	**140**	**160**	**135**	**170**	**315**	**100**	**125**	**130**	**85**	**90**
PCR product(s)			**195**			**345**		**185**	**305**			**240**	**185**	**440**		**165**
						370										**345**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
*04:03, 04:06, 04:80, 04:107			3						9							
*04:11, 04:29, 04:36, 08:01:01-08:08, 08:12-08:13, 08:15:01-08:21, 08:23-08:36N, 08:38-08:50, 08:52N-08:55N, 08:57, 08:60-08:63, 08:65-08:74, 12:31, 16:10, 16:45							7			10						
*04:42, 05:26, 05:43									9	10						
*04:52, 04:89, 04:135, 05:47, 05:55										10			13			
*04:54, 05:04:01-05:04:02, 06:28, 06:76:01-06:76:02, 07:64, 07:73, 07:92, 07:172, 12:03:04, 12:03:09, 12:04:01-12:05, 12:09, 12:21, 12:27, 12:33, 12:41, 12:54, 12:60, 14:02:01-14:02:02, 14:02:04-14:02:09, 14:02:11, 14:04-14:07N, 14:09, 14:11-14:17, 14:19-14:21N, 14:23-14:25, 14:27-14:34, 14:36-14:37, 14:39-14:40, 14:42-14:49, 16:01:02, 16:02:01-16:02:09, 16:09, 16:12, 16:19, 16:25, 16:46-16:48				4						10						
*04:55							7			10			13			
*04:108	1				5					10						
*04:112										10					15	
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec.	**325**	**175**	**70**	**315**	**100**	**305**	**140**	**160**	**135**	**170**	**315**	**100**	**125**	**130**	**85**	**90**
PCR product(s)			**195**			**345**		**185**	**305**			**240**	**185**	**440**		**165**
						370										**345**

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*05:21										10						
*05:36										10					15	
*06:44, 07:07, 07:09				4											15	
*06:74				4												
*06:89	1			4												
*07:02:09, 12:16				4			7		9							
*07:20, 07:263		2	w	4												
*07:96:01-07:96:02		2	w	4								12				
*07:123, 07:173, 07:294	1			4												
*07:127			w	4												
*07:174, 07:298				4												
*07:289											11			14		
*08:09, 08:11, 08:59, 12:02:01-12:03:03, 12:03:05-12:03:08, 12:03:10-12:03:22, 12:03:25, 12:06-12:08, 12:10:01-12:14:02, 12:17-12:20, 12:22-12:26, 12:28-12:30, 12:32, 12:34-12:40, 12:42Q-12:53, 12:55-12:57, 12:59, 12:61-12:70, 12:72-12:86, 12:88-12:94, 14:02:03, 14:08, 16:01:01, 16:01:03-16:01:13, 16:04:01, 16:06-16:08, 16:11, 16:13-16:18, 16:22-16:24, 16:26-16:33, 16:35-16:44, 16:49-16:55				4			7			10						
*08:14, 08:58, *B*35:08:02, B*35:08:05, B*67:02*							7									
*08:22, 08:56							7			10						
*08:37							7		9	10						
*08:51							7			10						
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec. PCR product(s)	325	175	70	315	100	305	140	160	135	170	315	100	125	130	85	90
			195			345		185	305			240	185	440		165
						370										345
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
*12:03:23				4			7			10		12				
*12:03:24				4			w			10						
*12:15	1						7	8		10	11			14		
*12:58				4			7			10			13			
*12:87				4			7			10						
*14:10				4			7						13			
*16:20	1			4			7			10						

*16:21				**4**			**7**		**9**	**10**						
*18:05															**15**	
*B*07:78, B*13:18, B*13:31,B*13:41, B*15:73, B*54:10, B*54:20, B*55:09, B*55:21, B*55:37, B*55:52*								**w**								
*B*15:200, B*51:115, B*58:05*																
*B*35:03:11, B*35:205*					**5**											
*B*35:132*																
*B*35:222*																**16**
*B*46:11, B*46:18, B*56:08, B*56:14*														**14**		
HLA-C allele[4,5]																
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**

INTERPRETATION TABLE

HLA-C*15 SSP subtyping

Amplification patterns of the HLA-C*15:02 to 15:65 alleles

Well[11]											
17	18	19	20	21	22	23	24	25	26	27	
140	85	165	120	170	225	175	380	225	205	330	Length of spec.
215	160	355	235	445		545	175				PCR product(s)
295											
1070	1070	1070	1070	1070	800	1070	1070	1070	1070	1070	Length of int. pos. control[1]
98	409	368	105	322	128	134	356	409	409	404	5'-primer[2]
5'-CTC 3'	5'-ggC 3'	5'-gTC 3'	5'-gCT 3'	5'-gCC 3'	5'-AgT 3'	5'-CCA 3'	5'-CAA 3'	5'-ggC 3'	5'-ggC 3'	5'-CCA 3'	
2nd I		560		715		972	562				
5'-CCA 3'		5'-CgA 3'		5'-CAg 3'		5'-CTA 3'	5'-Cgg 3'				
270	455	3rd I	186	477	312	266	3rd I	595	575	3rd I	3'-primer[3]
5'-TAg 3'	5'-CCA 3'	5'-ggA 3'	5'-TCC 3'	5'-gCg 3'	5'-AgT 3'	5'-TCA 3'	5'-CTC 3'	5'-CCg 3'	5'-ggg 3'	5'-CTC 3'	
427	527		299	846		###					
5'-gTT 3'	5'-CCg 3'		5'-TCT 3'	5'-CAC 3'		5'-AgT 3'					
583											
5'-gTg 3'											
17	18	19	20	21	22	23	24	25	26	27	Well No.
											HLA-C allele[4,5]
											***15:02:01**-15:02:15, 15:49-15:51, 15:53, 15:57, 15:60, 15:62
											*15:03
											***15:04**
17	18	19	20	21	22	23	24	25	26	27	Well No.
140	85	165	120	170	225	175	380	225	205	330	Length of spec.
215	160	355	235	445		545	175				PCR product(s)
295											
17	18	19	20	21	22	23	24	25	26	27	Well No.

											*15:05:01-15:05:08, 15:54, 15:59
											***15:06:01-15:06:03**, 15:55
											*15:07
											*15:08
											***15:09**, 15:61
											*15:10:01-**15:10:02**
											***15:11**
											*15:12
											***15:13**
											*15:15
											*15:16
											***15:17**
											*15:18
											***15:19**
											*15:21
											***15:22**
											***15:23**
											***15:24**
											*15:25
											***15:26**
											***15:27**
											***15:28**
						23					*15:29
										27	***15:30**
	18										***15:31, 15:33**[6]
							24				***15:32Q**, 15:41[7]
17											*15:34, **15:39**[8]
				21							*15:35, 15:47[9]
17											***15:36**
											*15:37, 15:58
					22						*15:38
											***15:40**
		19									***15:42**
											*15:43
			20								***15:44**-15:45[10]
		19									*15:46
17	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**Well No.**
140	**85**	**165**	**120**	**170**	**225**	**175**	**380**	**225**	**205**	**330**	**Length of spec. PCR product(s)**
215	**160**	**355**	**235**	**445**		**545**	**175**				
295											
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140	**85**	**165**	**120**	**170**	**225**	**175**	**380**	**225**	**205**	**330**	**Length of spec. PCR product(s)**
215	**160**	**355**	**235**	**445**		**545**	**175**				
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140	**85**	**165**	**120**	**170**	**225**	**175**	**380**	**225**	**205**	**330**	**Length of spec. PCR product(s)**
215	**160**	**355**	**235**	**445**		**545**	**175**				
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17	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**Well No.**