

# INTERPRETATION TABLE

## HLA-C\*16 SSP subtyping

Amplification patterns of the HLA-C\*16:01 to 16:32 alleles

	Well <sup>9</sup>											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	205	340	220	140	160	130	100	135	85	215	170	105
PCR product(s)						160	210			350	540	210
						210						245
Length of int.	<b>800</b>	1070	<b>800</b>	<b>800</b>	<b>800</b>	1070	1070	1070	1070	<b>800</b>	1070	1070
pos. control <sup>1</sup>												
5'-primer(s) <sup>2</sup>	360	1 <sup>st</sup> I	361	201	419	113	244	126	256	385	289	361
	5'-CAG <sup>3'</sup>	5'-CgA <sup>3'</sup>	5'-AgT <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-gTC <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-Cgc <sup>3'</sup>	5'-ggA <sup>3'</sup>	5'-ACg <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-Agg <sup>3'</sup>	5'-AgT <sup>3'</sup>
	361					368	369			523	409	
	5'-AgT <sup>3'</sup>					5'-gTC <sup>3'</sup>	5'-TAC <sup>3'</sup>			5'-CCg <sup>3'</sup>	5'-ggC <sup>3'</sup>	
						418						
						5'-Agg <sup>3'</sup>						
3'-primer(s) <sup>3</sup>	527	302	538	302	539	201	302	220	302	3 <sup>rd</sup> I	539	427
	5'-CCg <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-ggC <sup>3'</sup>	5'-TCT <sup>3'</sup>	5'-CTT <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-CgA <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-CTC <sup>3'</sup>	5'-TCT <sup>3'</sup>	5'-gTA <sup>3'</sup>
	527					539	539					530
	5'-CCg <sup>3'</sup>					5'-TCT <sup>3'</sup>	5'-TCT <sup>3'</sup>					5'-CCA <sup>3'</sup>
												563
												5'-CgT <sup>3'</sup>
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-C allele <sup>4</sup>												
*16:01:01, 16:01:03-16:01:06	1			4	5							
*16:01:02	1				5							
*16:02:01-16:02:06	1	2			5							
*16:04:01	1		3	4								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	205	340	220	140	160	130	100	135	85	215	170	105
PCR product(s)						160	210			350	540	210
						210						245
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*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 <sup>5</sup>	1			4	5						11	
*16:16Q, 16:17 <sup>6</sup>	1			4	5							12
*16:18	1			4	5							
*16:19	1	2			5					10		
*16:21	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 <sup>7</sup>	1			4	5							
*16:28, 16:31 <sup>8</sup>	1			4	5							
*16:29	1		3	4								
*16:30N	1			4	5							
*01:04, 01:09, 12:03:04, 12:03:09, 14:16			3									
*01:05, 01:36, 02:02:12, 03:05, 03:13, 03:25, 03:27, 03:35, 07:02:11, 07:03, 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, 07:109, 07:127, 12:27, 14:09												
*01:10, 14:25												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	205	340	220	140	160	130	100	135	85	215	170	105
PCR product(s)						160	210			350	540	210
						210						245
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*01:14, 02:02:09, 02:37, 03:07, 03:15, 03:45, 05:07N, 05:10, 05:16, 05:31, 12:09, 14:04, 14:12, 15:02:01-15:06:03, 15:08-15:13, 15:15-15:20, 15:24, 15:26-15:42, 15:44-15:48, 17:01:01:01-17:08		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, 08:35-08:36N, 08:38-08:43, 08:45-08:46, 12:02:01-12:02:06, 12:08, 12:10:01-12:10:02, 12:14:01-12:14:02, 12:17-12:18, 12:22, 12:30, 12:36, 12:49				4								
*01:23, 07:01:11, 07:04:01-07:04:04, 07:10-07:12, 07:31, 07:43, 07:45, 07:63, 07:101, 07:139, 07:142												
*01:27												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, 02:22-02:26:02, 02:28-02:33, 02:35-02:36, 02:38N-02:40, 02:42-02:47, 04:01:10, 04:01:23, 04:27, 04:33, 04:52, 05:01:01:01-05:01:15, 05:03-05:06, 05:08-05:09, 05:11-05:15, 05:17-05:24, 05:26-05:30, 05:32-05:41, 05:44-05:53, 07:07, 08:10, 12:21, 12:41, 15:22		2										
*02:05, 02:17		2	3									
*02:12				w								
*02:14, 05:43		2										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	205	340	220	140	160	130	100	135	85	215	170	105
PCR product(s)						160	210			350	540	210
						210						245
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*02:21		2				6						
*02:34		2					7					
*03:108												
*04:01:01:01-04:01:09, 04:01:11-04:01:22, 04:01:25-04:01:26, 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, 04:81-04:84		2										
*04:01:24, 04:37, 04:40		2										
*04:03, 04:06, 05:25, 05:42		2										
*04:14, 04:68		2									11	
*04:29, 04:36				4								
*04:42		2										
*04:69		2							9			
*04:80		2										
*06:02:01:01-06:02:01:02, 06:02:03-06:02:09, 06:02:11-06:03, 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, 06:41-06:51, 06:54-06:58		2	3									
*06:02:10, 06:26, 06:30, 06:53, 12:04:01-12:05, 12:33		2	3									
*06:04, 06:06, 06:14, 06:35, 06:40		2										
*06:05		2										
*06:08, 06:22		2	3									
*06:11, 06:52			3									
*06:31	1	2	3									
*06:32		2	3									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	205	340	220	140	160	130	100	135	85	215	170	105
PCR product(s)						160	210			350	540	210
						210						245
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*07:01:01-07:01:10, 07:01:12-07:02:08, 07:02:10, 07:02:12-07:02:23, 07:05-07:06, 07:08, 07:13-07:15, 07:17-07:19, 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, 07:97-07:100, 07:102-07:108, 07:110-07:113, 07:115-07:126, 07:128-07:138, 07:140-07:141, 07:143-07:171												
*07:02:09				4								
*07:09, 07:49, 07:76, 18:01-18:04		2										
*07:24, 07:114										10		
*07:25												
*07:53					5						11	
*08:12, 08:34, 08:44, 12:19-12:20, 12:24, 12:44, 14:02:03, 14:03, 14:08, 14:10, 14:22, 15:07, B*35:08:02, B*67:02				4								
*08:28				4								
*08:37, 12:16				4								
*12:03:01:01-12:03:03, 12:03:05-12:03:08, 12:03:10-12:03:15, 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, 12:50-12:51			3	4								
*12:28			3	4								
*12:40				4								
*12:45			3	4						10		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

<b>Length of spec.</b>	<b>205</b>	<b>340</b>	<b>220</b>	<b>140</b>	<b>160</b>	<b>130</b>	<b>100</b>	<b>135</b>	<b>85</b>	<b>215</b>	<b>170</b>	<b>105</b>
<b>PCR product(s)</b>						<b>160</b>	<b>210</b>			<b>350</b>	<b>540</b>	<b>210</b>
						<b>210</b>						<b>245</b>
<b>Well No.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>*15:21</b>				<b>w</b>								
<b>*15:23</b>		<b>2</b>										
<b>*15:25</b>				<b>4</b>								
<b>A*24:73, A*24:157, B*07:66, B*51:55</b>											<b>11</b>	
<b>A*24:106</b>						<b>6</b>						
<b>B*46:25</b>					<b>5</b>		<b>7</b>				<b>11</b>	
<b>Well No.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>

# INTERPRETATION TABLE

## HLA-C\*16 SSP subtyping

Amplification patterns of the HLA-C\*16:01 to 16:32 alleles

Well <sup>9</sup>											
13	14	15	16	17	18	19	20	21	22	23	
130	210	145	375	180	255	110	95	210	210	170	Length of spec.
						240	145				PCR product(s)
1070	1070	1070	1070	1070	1070	800	1070	1070	800	1070	Length of int.
											pos. control <sup>1</sup>
126	368	97	361	201	126	361	436	368	524	201	5'-primer(s) <sup>2</sup>
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'	
							485				
							5'-CAA 3'				
214	539	201	3 <sup>rd</sup> I	341	341	430	539	539	3 <sup>rd</sup> I	331	3'-primer(s) <sup>3</sup>
5'-CCA 3'	5'-TCT 3'	5'-CTT 3'	5'-CTC 3'	5'-CgT 3'	5'-CgT 3'	5'-gCg 3'	5'-TCT 3'	5'-TCT 3'	5'-CTC 3'	5'-CTA 3'	
						559					
						5'-CTC 3'					
						565					
						5'-CAT 3'					
13	14	15	16	17	18	19	20	21	22	23	Well No.
											HLA-C allele <sup>4</sup>
											*16:01:01, 16:01:03-16:01:06
											*16:01:02
											*16:02:01-16:02:06
											*16:04:01
13	14	15	16	17	18	19	20	21	22	23	Well No.

130	210	145	375	180	255	110	95	210	210	170	Length of spec. PCR product(s)
						240	145				
13	14	15	16	17	18	19	20	21	22	23	Well No.
			16								*16:06
			16								*16:07:01
			16								*16:07:02
											*16:08
											*16:09
											*16:10
											*16:11
											*16:12
13											*16:13
											*16:14
											*16:15:01-16:15:02, 16:20 <sup>5</sup>
											*16:16Q, 16:17 <sup>6</sup>
	14										*16:18
											*16:19
		15									*16:21
											*16:22
								21			*16:23
									22		*16:24
											*16:25
				17	18						*16:26
							20				*16:27, 16:32 <sup>7</sup>
						19					*16:28, 16:31 <sup>8</sup>
						19					*16:29
										23	*16:30N
			16								*01:04, 01:09, 12:03:04, 12:03:09, 14:16
											*01:05, 01:36, 02:02:12, 03:05, 03:13, 03:25, 03:27, 03:35, 07:02:11, 07:03, 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, 07:109, 07:127, 12:27, 14:09
						19					*01:10, 14:25
13	14	15	16	17	18	19	20	21	22	23	Well No.



130	210	145	375	180	255	110	95	210	210	170	Length of spec. PCR product(s)
						240	145				
13	14	15	16	17	18	19	20	21	22	23	Well No.
											*01:14, 02:02:09, 02:37, 03:07, 03:15, 03:45, 05:07N, 05:10, 05:16, 05:31, 12:09, 14:04, 14:12, 15:02:01-15:06:03, 15:08-15:13, 15:15-15:20, 15:24, 15:26-15:42, 15:44-15:48, 17:01:01:01-17:08
			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, 08:35-08:36N, 08:38-08:43, 08:45-08:46, 12:02:01-12:02:06, 12:08, 12:10:01-12:10:02, 12:14:01-12:14:02, 12:17-12:18, 12:22, 12:30, 12:36, 12:49
					18						*01:23, 07:01:11, 07:04:01-07:04:04, 07:10-07:12, 07:31, 07:43, 07:45, 07:63, 07:101, 07:139, 07:142
											*01:27
			16								*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, 02:22-02:26:02, 02:28-02:33, 02:35-02:36, 02:38N-02:40, 02:42-02:47, 04:01:10, 04:01:23, 04:27, 04:33, 04:52, 05:01:01:01-05:01:15, 05:03-05:06, 05:08-05:09, 05:11-05:15, 05:17-05:24, 05:26-05:30, 05:32-05:41, 05:44-05:53, 07:07, 08:10, 12:21, 12:41, 15:22
						19					*02:05, 02:17
			16								*02:12
		15	16								*02:14, 05:43
13	14	15	16	17	18	19	20	21	22	23	Well No.

130	210	145	375	180	255	110	95	210	210	170	Length of spec. PCR product(s)
						240	145				
13	14	15	16	17	18	19	20	21	22	23	Well No.
			16								*02:21
			16								*02:34
									22		*03:108
			16	17							*04:01:01:01-04:01:09, 04:01:11-04:01:22, 04:01:25-04:01:26, 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, 04:81-04:84
				17							*04:01:24, 04:37, 04:40
			16	17	18						*04:03, 04:06, 05:25, 05:42
			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
					18						*06:02:01:01-06:02:01:02, 06:02:03-06:02:09, 06:02:11-06:03, 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, 06:41-06:51, 06:54-06:58
											*06:02:10, 06:26, 06:30, 06:53, 12:04:01-12:05, 12:33
					18						*06:04, 06:06, 06:14, 06:35, 06:40
		15		17	18						*06:05
					18	19					*06:08, 06:22
					18						*06:11, 06:52
					18						*06:31
13					18						*06:32
13	14	15	16	17	18	19	20	21	22	23	Well No.

130	210	145	375	180	255	110	95	210	210	170	Length of spec. PCR product(s)
						240	145				
13	14	15	16	17	18	19	20	21	22	23	Well No.
			16		18						*07:01:01-07:01:10, 07:01:12-07:02:08, 07:02:10, 07:02:12-07:02:23, 07:05-07:06, 07:08, 07:13-07:15, 07:17-07:19, 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, 07:97-07:100, 07:102-07:108, 07:110-07:113, 07:115-07:126, 07:128-07:138, 07:140-07:141, 07:143-07:171
		15	16	17	18						*07:02:09
			16		18						*07:09, 07:49, 07:76, 18:01-18:04
			16		18						*07:24, 07:114
			16		18				22		*07:25
			16		18						*07:53
											*08:12, 08:34, 08:44, 12:19-12:20, 12:24, 12:44, 14:02:03, 14:03, 14:08, 14:10, 14:22, 15:07, B*35:08:02, B*67:02
			16	17	18						*08:28
		15	16								*08:37, 12:16
											*12:03:01:01-12:03:03, 12:03:05-12:03:08, 12:03:10-12:03:15, 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, 12:50-12:51
				17	18						*12:28
13			16								*12:40
											*12:45
13	14	15	16	17	18	19	20	21	22	23	Well No.

130	210	145	375	180	255	110	95	210	210	170	Length of spec. PCR product(s)
						240	145				
13	14	15	16	17	18	19	20	21	22	23	Well No.
											*15:21
		15									*15:23
				17	18						*15:25
											<i>A*24:73, A*24:157, B*07:66, B*51:55</i>
											<i>A*24:106</i>
											<i>B*46:25</i>
13	14	15	16	17	18	19	20	21	22	23	Well No.