INTERPRETATION TABLE

HLA-C*12 SSP subtyping

Amplification patterns of the C*12:02 to 12:50 alleles

	Well[11]															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225
						415		245								
Length of int.	800	###	800	###	###	###	800	###	###	###	###	###	###	###	800	###
pos. control[1]																
5'-primer(s)[2]	98	419	361	1st I	201	28	201	98	289	361	361	201	368	142	201	2nd I
	5'-CTA 3'	5'-gTC 3'	5'-AgT 3'	5'-CgA 3'	5'-CCA 3'	5'-TCA 3'	5'-CCA 3'	5'-CTA 3'	5'-Agg 3'	5'-AgT 3'	5'-AgT 3'	5'-CCA 3'	5'-gTT 3'	5'-TCT 3'	5'-CCA 3'	5'-CCA 3'
						431		420					412	368	420	
						5'-CgT 3'		5'-TTA 3'					5'-ATA 3'	5'-gTC 3'	5'-TTA 3'	
						504										
						5'-CAT 3'										
3'-primer(s)[3]	289	477	538	302	289	270	302	214	341	474	538	302	474	201	299	473
	5'-AgC 3'	5'-gCA 3'	5'-CCA 3'	5'-ggT 3'	5'-AgT 3'	5'-TAg 3'	5'-ggT 3'	5'-CCA 3'	5'-Cgg 3'	5'-gCA 3'	5'-CCg 3'	5'-ggC 3'	5'-gCA 3'	5'-CTT 3'	5'-TCT 3'	5'-CAA 3'
	289				289	538		301					477	474	474	512
	5'-AgC 3'				5'-AgT 3'	5'-CCA 3'		5'-gCC 3'					5'-gCA 3'	5'-gCA 3'	5'-gCA 3'	5'-CCA 3'
	295							474								
	5'-TCC 3'							5'-gCA 3'								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-C allele[4]																
*12:02:01-12:02:05	1	2							9			12				
*12:02:06	1								9			12				

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225
						415		245								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*12:03:01:01-12:03:01:02, 12:03:03, 12:03:05-12:03:07, 12:03:10-12:03:12, 12:03:14	1		3						9	10		12				
*12:03:02, 12:03:08	1		3						9			12				
*12:03:04, 12:03:09	1		3						9	10						
*12:03:13	w		3						9	10		12				
*12:04:01	1		3	4					9							
*12:04:02	1		3	4			7		9	10						
*12:05			3	4	5		7			10						
*12:06, 12:48[6]	1		3			6			9	10		12				
*12:07	1		3					8	9	10		12				
*12:08	1	2				6			9			12				
*12:09, 05:16[5]				4	5		7				11					
*12:10:01-12:10:02	1	2							9			12	13			
*12:11	1		3						9	10		12		14		
*12:12	1		3						9	10		12			15	
*12:13	1		3						9	10		12				16
*12:14:01	1								9			12				16
*12:14:02	1	2							9			12				16
*12:15	1		3					8	9	10		12			15	
*12:16, 01:21[5]		2							9			12		14		
*12:17	1	2							9			12				
*12:18	1	2							9			12				
*12:19	1								9			12				
*12:20	1								9	10		12				
*12:21				4	5		7									
*12:22	1	2							9			12				
*12:23	1		3						9	10		12				
*12:24	1								9	10	11	12				
*12:25	1		3						9	10		12				
*12:26	1		3						9			12				
*12:27	1	2							9							
*12:28	1		3							10		12				

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*12:29, 12:38[7]	1		3						9	10		12				
*12:30, 12:36[8]	1	2							9			12				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225
						415		245								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*12:31	1		3						9	10		12	13			
*12:32, 12:34[9]	1		3						9	10		12				
*12:33, 02:05, 02:17[5]			3	4	5		7									
*12:35	1		3						9	10		12				
*12:37	1		3						9	10		12				
*12:39N	1		3						9	10		12				
*12:40	1	2						8	9			12				
*12:41	1	2		4			7		9							
*12:42Q	1		3						9	10		12				
*12:43	1		3						9	10		12				
*12:44	1	2							9			12				
*12:45, 12:50[10]	1		3						9	10		12				
*12:46N	1		3						9	10		12				
*12:47	1		3						9	10		12				
*12:49		2			5							12				
*01:02:01-01:03, 01:06-01:08, 01:10-01:13, 01:15-01:16, 01:18-01:20, 01:23-01:31, 01:33-01:34, 01:37N-01:45, 03:58, 03:86, 03:94, 03:99, 14:02:01-14:02:02, 14:02:04-14:02:06, 14:05, 14:07N, 14:11, 14:13-14:14, 14:18-14:21N, 14:23-14:25, *B*14:03*											11					
*01:04		2	3													
*01:09, 06:11, 06:52, 14:16			3													

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*01:14, 06:06, 14:12				4							11					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225
						415		245								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*01:17									9		11					
*01:22, 01:35, 14:06, 14:15, 15:43, *B*58:02*																
*01:32											11					
*02:02:01-02:02:03, 02:02:05-02:02:07, 02:02:09-02:02:11, 02:02:14-02:04, 02:06-02:11, 02:13-02:16:02, 02:18-02:26:02, 02:28-02:40, 02:43-02:46, 04:10, 05:01:01:01-05:01:11, 05:01:13-05:01:15, 05:03-05:10, 05:12-05:15, 05:18-05:22, 05:24-05:26, 05:28-05:35, 05:37-05:41, 05:43-05:45, 05:47-05:51Q, 15:08, 16:02:01-16:02:05, 16:09, 16:12, 16:19				4	5		7									
*02:02:08, 02:02:13, 03:07, 03:45, 04:01:10, 04:01:23, 05:01:12, 06:35, 06:40, 07:09, 07:49, 07:76, 18:01-18:04				4												
*02:02:12					5											
*02:12	1								9			w				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
						415		245								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*02:27:01-02:27:02, 04:11, 04:36, 04:55, 08:02:01-08:02:02, 08:02:04-08:02:05, 08:15, 08:17-08:19, 08:23, 08:27-08:35, 08:37, 08:43, 14:08, 16:01:01, 16:01:03-16:01:05, 16:06-16:08, 16:10-16:11, 16:16Q-16:18, 16:20-16:24, 16:26-16:28, 16:30N-16:32					5							12				
*02:42				4	5		7							14		
*03:08, 03:29, 03:31						6										
*03:15	1			4												
*03:27, *B*07:13*	1								9							
*03:38:01-03:38:02	1								9							
*03:53	1															
*03:69	1															
*03:102, 07:24, 07:81																
*04:01:01:01-04:01:04, 04:01:06-04:01:09, 04:01:11-04:01:22, 04:01:24-04:01:26, 04:04:01-04:05, 04:07-04:09N, 04:13-04:15:02, 04:17-04:20, 04:23-04:28, 04:30-04:32, 04:34-04:35, 04:38-04:54, 04:56-04:57, 04:59Q-04:79, 04:81				4			7									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225
						415		245								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*04:01:05				4			7						13			
*04:03, 04:06, 04:16, 05:42	1			4			7									
*04:12				4			7									
*04:29, 08:02:03												12				
*04:33				4			7		9							
*04:37				4			7				11					
*04:58				4			7									16
*04:80	1			4			7									
*05:11, 05:17, 05:27, 08:10, 15:02:01-15:02:07, 15:04-15:06:03, 15:09-15:13, 15:15, 15:17-15:20, 15:22-15:24, 15:26-15:42, 15:44				4	5		7									
*05:23				4	5		7									16
*05:36				4	5	6	7									
*05:46, 16:25	1			4			7		9							
*06:02:01:01-06:02:01:02, 06:02:03-06:02:11, 06:07-06:10, 06:12-06:13, 06:15-06:19, 06:21-06:29, 06:31-06:34, 06:36-06:39, 06:42-06:43, 06:45-06:51, 06:53-06:55			3	4												
*06:03	1		3	4												
*06:04				4												
*06:05				4	5		7				11			w		
*06:14				4												
*06:20			3	4												
*06:30			3	4					9							
*06:41			3	4												

Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	235	100	220	340	130	75	140	95	95	155	220	140	105	100	95	185
PCR product(s)						150		155					150	145	140	225
						415		245								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*06:44			3	4		6										
*07:02:09												12		14		
*07:07				4					9							
*07:10, 07:43																
*07:16, 07:51									9							
*07:26, 07:92, 07:96, *B*07:15*	1															
*08:01:01-08:01:03, 08:03:01-08:04, 08:06, 08:08-08:09, 08:11, 08:13, 08:16, 08:20, 08:22, 08:24, 08:26N, 08:36N, 08:38-08:42, 08:44, 15:07					5							12				
*08:05, 08:25, 16:15:01	1								9			12				
*08:07					5							12				16
*08:12, 14:02:03, 14:03, 14:10, 14:22					5						11	12				
*08:14					5							12		14		
*08:21	1								9			12				
*14:04				4					9		11					
*14:17											11					16
*15:03, 15:16	1			4			7		9							
*15:21					5							w				
*15:25	1											12				
*15:45				4	w		7									
*16:04:01, 16:29			3		5							12				
*16:13					5							12				
*16:14					5			8				12				
*16:15:02	1								9	10		12				
*17:01:01:01-17:01:03, 17:01:05-17:08	1			4					9							16
*17:01:04	1			4			7		9							16
*A*02:211*																
*B*35:08:02*												12			15	

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B*40:29																
B*67:02	**1**								**9**			**12**		**14**		
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**

INTERPRETATION TABLE

HLA-C*12 SSP subtyping

Amplification patterns of the C*12:02 to 12:50 alleles

Well[11]																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)
	245		220									210				
	270															
###	###	###	###	###	###	###	###	###	800	###	###	###	###	###	###	Length of int.
																pos. control[1]
201	98	257	201	2nd I	176	368	98	252	289	127	385	419	347	98	379	5'-primer(s)[2]
5'-CCg 3'	5'-CTA 3'	5'-CCC 3'	5'-CCA 3'	5'-CCA 3'	5'-gCA 3'	5'-gTA 3'	5'-CTA 3'	5'-TgA 3'	5'-Agg 3'	5'-gAC 3'	5'-ggT 3'	5'-gTC 3'	5'-gTg 3'	5'-CTA 3'	5'-ACC 3'	
	201	477	361		3rd I		341	369		228	463		490	419		
	5'-CCA 3'	5'-gCT 3'	5'-AgT 3'		5'-TgT 3'		5'-ggA 3'	5'-TAC 3'		5'-ATg 3'	5'-TgA 3'		5'-CgT 3'	5'-gTC 3'		
474	295	311	332	539	474	476	241	289	353	289	3rd I	505	538	175	453	3'-primer(s)[3]
5'-gCA 3'	5'-TCC 3'	5'-ggT 3'	5'-TCC 3'	5'-TCA 3'	5'-gCA 3'	5'-CgA 3'	5'-CgT 3'	5'-AgC 3'	5'-TgA 3'	5'-AgC 3'	5'-CTC 3'	5'-gCC 3'	5'-CCA 3'	5'-CCA 3'	5'-TCT 3'	
	308	538	426		658		474	474				564		564		
	5'-TCg 3'	5'-CAg 3'	5'-TCC 3'		5'-gTg 3'		5'-gCA 3'	5'-gCA 3'				5'-ACC 3'		5'-ACC 3'		
	326		538									587				
	5'-TgC 3'		5'-gCA 3'									5'-CCC 3'				
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-C allele[4]
																*12:02:01-12:02:05
								25								*12:02:06

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)
	245		220									210				
	270															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*12:03:01:01-12:03:01:02, 12:03:03, 12:03:05-12:03:07, 12:03:10-12:03:12, 12:03:14
																*12:03:02, 12:03:08
17																*12:03:04, 12:03:09
																*12:03:13
																*12:04:01
																*12:04:02
																*12:05
																*12:06, 12:48[6]
																*12:07
																*12:08
																*12:09, 05:16[5]
																*12:10:01-12:10:02
																*12:11
																*12:12
																*12:13
				21												*12:14:01
		19		21												*12:14:02
																*12:15
																*12:16, 01:21[5]
	18															*12:17
		19		21												*12:18
			20													*12:19
				21												*12:20
					22											*12:21
			20													*12:22
					22											*12:23
																*12:24
		19														*12:25
						23										*12:26
	18															*12:27
							24									*12:28

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
												29				*12:29, 12:38[7]
										27						*12:30, 12:36[8]
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)
	245		220									210				
	270															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*12:31
													30			*12:32, 12:34[9]
																*12:33, 02:05, 02:17[5]
	18															*12:35
															32	*12:37
								25								*12:39N
																*12:40
																*12:41
												29		31		*12:42Q
							24									*12:43
									26							*12:44
											28					*12:45, 12:50[10]
			20													*12:46N
														31		*12:47
																*12:49
																*01:02:01-01:03, 01:06-01:08, 01:10-01:13, 01:15-01:16, 01:18-01:20, 01:23-01:31, 01:33-01:34, 01:37N-01:45, 03:58, 03:86, 03:94, 03:99, 14:02:01-14:02:02, 14:02:04-14:02:06, 14:05, 14:07N, 14:11, 14:13-14:14, 14:18-14:21N, 14:23-14:25, *B*14:03*
																*01:04
																*01:09, 06:11, 06:52, 14:16

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*01:14, 06:06, 14:12
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)
	245		220									210				
	270															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*01:17
				21												*01:22, 01:35, 14:06, 14:15, 15:43, *B*58:02*
											28					*01:32
																*02:02:01-02:02:03, 02:02:05-02:02:07, 02:02:09-02:02:11, 02:02:14-02:04, 02:06-02:11, 02:13-02:16:02, 02:18-02:26:02, 02:28-02:40, 02:43-02:46, 04:10, 05:01:01:01-05:01:11, 05:01:13-05:01:15, 05:03-05:10, 05:12-05:15, 05:18-05:22, 05:24-05:26, 05:28-05:35, 05:37-05:41, 05:43-05:45, 05:47-05:51Q, 15:08, 16:02:01-16:02:05, 16:09, 16:12, 16:19
																*02:02:08, 02:02:13, 03:07, 03:45, 04:01:10, 04:01:23, 05:01:12, 06:35, 06:40, 07:09, 07:49, 07:76, 18:01-18:04
																*02:02:12
																*02:12
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
	245		220									210				
	270															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*02:27:01-02:27:02, 04:11, 04:36, 04:55, 08:02:01-08:02:02, 08:02:04-08:02:05, 08:15, 08:17-08:19, 08:23, 08:27-08:35, 08:37, 08:43, 14:08, 16:01:01, 16:01:03-16:01:05, 16:06-16:08, 16:10-16:11, 16:16Q-16:18, 16:20-16:24, 16:26-16:28, 16:30N-16:32
																*02:42
																*03:08, 03:29, 03:31
																*03:15
																*03:27, *B*07:13*
									26							*03:38:01-03:38:02
	18															*03:53
									26							*03:69
											28					*03:102, 07:24, 07:81
																*04:01:01:01-04:01:04, 04:01:06-04:01:09, 04:01:11-04:01:22, 04:01:24-04:01:26, 04:04:01-04:05, 04:07-04:09N, 04:13-04:15:02, 04:17-04:20, 04:23-04:28, 04:30-04:32, 04:34-04:35, 04:38-04:54, 04:56-04:57, 04:59Q-04:79, 04:81
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)
	245		220									210				
	270															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
							24									*04:01:05
																*04:03, 04:06, 04:16, 05:42
	18															*04:12
																*04:29, 08:02:03
																*04:33
																*04:37
																*04:58
									26							*04:80
				21												*05:11, 05:17, 05:27, 08:10, 15:02:01-15:02:07, 15:04-15:06:03, 15:09-15:13, 15:15, 15:17-15:20, 15:22-15:24, 15:26-15:42, 15:44
																*05:23
																*05:36
																*05:46, 16:25
																*06:02:01:01-06:02:01:02, 06:02:03-06:02:11, 06:07-06:10, 06:12-06:13, 06:15-06:19, 06:21-06:29, 06:31-06:34, 06:36-06:39, 06:42-06:43, 06:45-06:51, 06:53-06:55
																*06:03
				21												*06:04
																*06:05
									26							*06:14
											28					*06:20
																*06:30
													30			*06:41

17	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**Well No.**
17	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**Well No.**

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
565	140	100	105	250	110	150	185	80	355	100	275	125	90	120	115	Length of spec.
	165		170		580		425	145		205	350	185	230	185		PCR product(s)
	245		220									210				
	270															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*06:44
																*07:02:09
																*07:07
									26							*07:10, 07:43
																*07:16, 07:51
																*07:26, 07:92, 07:96, *B*07:15*
				21												*08:01:01-08:01:03, 08:03:01-08:04, 08:06, 08:08-08:09, 08:11, 08:13, 08:16, 08:20, 08:22, 08:24, 08:26N, 08:36N, 08:38-08:42, 08:44, 15:07
																*08:05, 08:25, 16:15:01
																*08:07
																*08:12, 14:02:03, 14:03, 14:10, 14:22
				21												*08:14
				21												*08:21
																*14:04
																*14:17
				21					26							*15:03, 15:16
				21												*15:21
									26							*15:25
				21												*15:45
																*16:04:01, 16:29
											28					*16:13
																*16:14
																*16:15:02
				21												*17:01:01:01-17:01:03, 17:01:05-17:08
				21												*17:01:04
															32	*A*02:211*
																*B*35:08:02*

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19														***B*40:29***
																B*67:02
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.