INTERPRETATION TABLE

HLA-C*04 SSP subtyping

Amplification patterns of the C*04:01 to C*04:84 alleles

	Well[14]																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	250	220	145	210	250	95	145	270	110	195	180	125	225	155	180	130	320	125	120	165	85	130	85	170
PCR product(s)									180	220		165	270	190				225	155	250	145		145	
									220											545	240		215	
Length of int.	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
pos. control[1]																								
5'-primer(s)[2]	2nd I	112	112	118	2nd I	98	112	2nd I	391	112	201	218	112	105	412	368	379	228	347	112	368	127	172	89
	5'-CCA 3'	5'-CCT 3'	5'-CCT 3'	5'-CCA 3'	5'-CCA 3'	5'-CTC 3'	5'-CCT 3'	5'-CCA 3'	5'-ACC 3'	5'-CCT 3'	5'-CCA 3'	5'-ggA 3'	5'-CCT 3'	5'-gCT 3'	5'-ATA 3'	5'-gTg 3'	5'-ACg 3'	5'-ATg 3'	5'-gTA 3'	5'-CCT 3'	5'-gTT 3'	5'-ggA 3'	5'-TCC 3'	5'-gAT 3'
							459		###	368				368	697	369		368	368				355	97
							5'-gAT 3'		5'-gTg 3'	5'-gTT 3'				5'-gTT 3'	5'-TCC 3'	5'-TAC 3'		5'-gTT 3'	5'-gTg 3'				5'-CCT 3'	5'-TCg 3'
																			391				670	###
																			5'-ACC 3'				5'-CCg 3'	5'-gTg 3'
3'-primer(s)[3]	539	289	218	289	539	154	218	559	459	289	341	302	295	218	539	459	3rd I	312	459	238	412	218	218	218
	5'-TCC 3'	5'-AgC 3'	5'-gCT 3'	5'-AgC 3'	5'-TCA 3'	5'-CAg 3'	5'-gCg 3'	5'-CAg 3'	5'-AgA 3'	5'-AgT 3'	5'-CgT 3'	5'-ggC 3'	5'-TCC 3'	5'-gCT 3'	5'-TCT 3'	5'-AgA 3'	5'-ACg 3'	5'-AgT 3'	5'-AgA 3'	5'-CCA 3'	5'-gTC 3'	5'-gCT 3'	5'-gCT 3'	5'-gCT 3'
		289		289			559		###	521		341	343	514	846			550		319	472		459	###
		5'-AgC 3'		5'-AgC 3'			5'-CTC 3'		5'-Tgg 3'	5'-ggA 3'		5'-Cgg 3'	5'-T 3'	5'-CTT 3'	5'-CAC 3'			5'-CAT 3'		5'-gCT 3'	5'-ggC 3'		5'-AgA 3'	5'-Tgg 3'
									###					527						368	568		846	
									5'-TTA 3'					5'-CCg 3'						5'-CAT 3'	5'-CTg 3'		5'-CAC 3'	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
HLA-C allele[4]																								

Length of spec.	250	220	145	210	250	95	145	270	110	195	180	125	225	155	180	130	320	125	120	165	85	130	85	170
PCR product(s)									180	220		165	270	190				225	155	250	145		145	
									220											545	240		215	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
HLA-C allele[4]																								
*04:01:01:01-04:01:09, 04:01:11-04:01:22, 04:01:24-04:01:26, 04:82[15]	1	2	3								11													
*04:01:10, 04:01:23	1	2	3																					
*04:03	1			4							11													
*04:04:01-04:04:02		2	3		5						11													
*04:05	1	2	3			6					11													
*04:06				4	5						11													
*04:07	1	2					7				11													
*04:08	1	2	3					8			11													
*04:09N	1	2	3						9		11													
*04:10	1		3							10	11													
*04:11	1		3							10		12												
*04:12	1	w	3								11		13											
*04:13		2	3		5						11			14										
*04:14		2	3								11				15									
*04:15:01, 04:15:03	1	2	3								11					16								
*04:15:02, 04:44, 04:47[5]	1	2	3								11									20				
*04:16	1										11			14										
*04:17	1	2	3								11						17			20				
*04:18	1	2	3								11			14										
*04:19	w	2	3								11							18						
*04:20	1	2	3								11								19					
*04:23, 04:38-04:39[6]	1	2	3								11										21			
*04:24	1	2	3								11											22		
*04:25, 04:40-04:41[7]	1	2	3								11												23	
*04:26	1	2	3								11													24
*04:27	1	2					7																	
*04:28	1	2	3								11				15									
*04:29	1	2	3								11	12												
*04:30	1	2	3						9		11													24
*04:31	1	2	3							10	11													
*04:32	1	2	3				7				11													
*04:33	1	2	3									12												
*04:34		2	3		5			8			11													
*04:35	1	2	3						9		11								19					
*04:36	1		3							10	11	12												
*04:37	1	2	3								11					16			19					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	250	220	145	210	250	95	145	270	110	195	180	125	225	155	180	130	320	125	120	165	85	130	85	170
PCR product(s)									180	220		165	270	190				225	155	250	145		145	
									220											545	240		215	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*04:42	1										11													24
*04:43	1	2	3								11													

*04:45	1	2	3								11													
*04:46, 04:50[8]	1	2	3								11													
*04:48, 04:75[9]	1	2	3								11													
*04:49	1	2	3								11													
*04:51	1	2	3								11													
*04:52	1	2	3										13											
*04:53	1	2	3								11													
*04:54	1	2	3								11													
*04:55	1		3							10		12	13											
*04:56, 04:64[10]	1	2	3								11													
*04:57	1	2	3								11													
*04:58		2	3		5						11			14										
*04:59Q, 04:78[11]	1	2	3								11													
*04:60	1	2	3								11													
*04:61	1	2	3								11													
*04:62, 04:76[12]	1	2	3								11													
*04:63	1	2	3								11													
*04:65, 04:72[13]	1	2	3								11													
*04:66	1	2	3								11													
*04:67	1	2	3								11													
*04:68		2	3								11				15									
*04:69	1	2	3								11													
*04:70	1	2	3								11							18						
*04:71	1		3								11													
*04:73	1	2	3								11													
*04:74	1	2	3								11													
*04:77	1	2	3				7				11													
*04:79	1	2	3								11													
*04:80	1			4							11						17							
*04:81	1	2	3								11													
*04:83	1	2	3								11													
*04:84	1	2	3								11													
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	250	220	145	210	250	95	145	270	110	195	180	125	225	155	180	130	320	125	120	165	85	130	85	170
PCR product(s)									180	220		165	270	190				225	155	250	145		145	
									220											545	240		215	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

*01:02:01-01:03, 01:05-01:20, 01:23-01:34, 01:36-01:49, 01:51, 02:02:01-02:02:03, 02:02:05-02:02:17, 02:04-02:11, 02:13-02:15, 02:17, 02:19-02:40, 02:42-02:47, 05:01:01:01-05:01:15, 05:03-05:10, 05:12-05:16, 05:18-05:24, 05:26, 05:28-05:38, 05:40-05:41, 05:43-05:48N, 05:50, 05:52-05:53, 06:02:01:01-06:02:01:02, 06:02:03-06:03, 06:06-06:39, 06:41-06:58, 08:02:01-08:02:05, 08:05, 08:07, 08:12, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:25, 08:27, 08:29-08:35, 08:37, 08:43, 08:45, 12:02:01-12:13, 12:15-12:17, 12:21-12:27, 12:29-12:51, 14:26, 15:08, 16:04:01, 16:29, 18:01-18:02, 18:04	1																							
*01:04, 14:02:01-14:05, 14:07N-14:08, 14:10-14:14, 14:16-14:19, 14:21N-14:24, 14:27-14:29	1																							
*01:21	1																							
*01:22, 02:03, 02:16:01-02:16:02, 02:18, 05:11, 05:17, 06:04, 08:01:01-08:01:04, 08:03:01-08:04, 08:06, 08:08-08:11, 08:13-08:14, 08:16, 08:20-08:22, 08:24, 08:26N, 08:36N, 08:38-08:40, 08:42, 08:44, 08:46, 12:14:01-12:14:02, 12:18, 12:20, 15:02:01-15:07, 15:09-15:13, 15:16-15:24, 15:26-15:35, 15:37-15:48, 17:01:01:01-17:06, 17:08					5																		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	250	220	145	210	250	95	145	270	110	195	180	125	225	155	180	130	320	125	120	165	85	130	85	170
PCR product(s)									180	220		165	270	190				225	155	250	145		145	
									220											545	240		215	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*01:35, 05:27, 08:41, 15:15, 17:07, *B*58:02*					5			8																
*01:50	1																17							
*02:12	1			4																				

***03:05, 03:25, 03:27**																**16**								
***03:34**							**7**																	
***05:25, 05:42, 06:05, 08:28, 12:28**	**1**										**11**													
***05:39**	**1**							**8**																
***05:49**	**1**																							
***07:02:09, 15:25, 16:26**											**11**													
***07:08, 07:108**														**14**										
***07:64**		**2**					**7**																	
***07:125**												**12**												**24**
***14:06, 14:15**					**5**																			
***14:09**	**1**															**16**								
***14:20**	**1**							**8**																
***14:25**	**1**						**7**																	
***15:36**					**5**		**7**			**10**										**20**				
***16:12**																								
***18:03**	**1**						**7**																	
A*24:96, A*24:146															**15**									
B*07:90																								
B*40:100																								
HLA-C allele[4]																								
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**

INTERPRETATION TABLE

HLA-C*04 SSP subtyping

Amplification patterns of the C*04:01 to C*04:84 alleles

Well[14]																							
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
190	215	125	120	185	75	180	105	80	200	85	115	110	105	145	140	280	85	170	135	135	300	185	Length of spec.
		285	215				235	180		175		135	135	330	270		525						PCR product(s)
							275																
1070	800	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	Length of int.
																							pos. control[1]
368	112	368	232	112	503	81	368	368	368	112	383	364	364	98	112	419	256	112	364	124	83	704	5'-primer(s)[2]
5'-gTT 3'	5'-CCT 3'	5'-gTT 3'	5'-Agg 3'	5'-CCT 3'	5'-CCg 3'	5'-CAg 3'	5'-gTT 3'	5'-gTT 3'	5'-gTT 3'	5'-CCT 3'	5'-ggC 3'	5'-ggT 3'	5'-ggT 3'	5'-CTT 3'	5'-CCT 3'	5'-gTC 3'	5'-ACg 3'	5'-CCT 3'	5'-ggg 3'	5'-gCT 3'	5'-CTA 3'	5'-TgT 3'	
			368								386	386	395	3rd I	368		972						
			5'-gTT 3'								5'-gCA 3'	5'-gCA 3'	5'-gCT 3'	5'-TgT 3'	5'-gTT 3'		5'-CTA 3'						
												392											
												5'-CgC 3'											
518	284	454	312	256	539	218	430	407	527	154	459	459	459	201	212	3rd I	302	239	459	218	341	846	3'-primer(s)[3]
5'-CCA 3'	5'-gTA 3'	5'-CTg 3'	5'-AgT 3'	5'-CCA 3'	5'-TCC 3'	5'-gCT 3'	5'-gCA 3'	5'-ACg 3'	5'-CCg 3'	5'-CAT 3'	5'-AgA 3'	5'-AgA 3'	5'-AgA 3'	5'-CTT 3'	5'-gCC 3'	5'-ACg 3'	5'-ggT 3'	5'-gCT 3'	5'-AgA 3'	5'-gCT 3'	5'-CgT 3'	5'-CAC 3'	
		613	544				563	505		247				878	595		####						
		5'-gCA 3'	5'-ggg 3'				5'-CgT 3'	5'-gCT 3'		5'-ATT 3'				5'-ggA 3'	5'-CCT 3'		5'-CAC 3'						
							603	512															
							5'-TTg 3'	5'-CCA 3'															
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
																							HLA-C allele[4]

190	215	125	120	185	75	180	105	80	200	85	115	110	105	145	140	280	85	170	135	135	300	185	Length of spec.
		285	215				235	180		175		135	135	330	270		525						PCR product(s)
							275																
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
																							HLA-C allele[4]
																							*04:01:01:01-04:01:09, 04:01:11-04:01:22, 04:01:24-04:01:26, 04:82[15]
																							*04:01:10, 04:01:23
																							*04:03
																							*04:04:01-04:04:02
																							*04:05
																							*04:06
																							*04:07
																							*04:08
																							*04:09N
																							*04:10
																							*04:11
																							*04:12
									34														*04:13
																							*04:14
																							*04:15:01, 04:15:03
																							*04:15:02, 04:44, 04:47[5]
																							*04:16
																							*04:17
																							*04:18
																							*04:19
																							*04:20
																							*04:23, 04:38-04:39[6]
																							*04:24
																							*04:25, 04:40-04:41[7]
																							*04:26
																							*04:27
																							*04:28
																							*04:29
																							*04:30
																							*04:31
																							*04:32
																							*04:33
																							*04:34
																							*04:35
																							*04:36
																							*04:37
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
190	215	125	120	185	75	180	105	80	200	85	115	110	105	145	140	280	85	170	135	135	300	185	Length of spec.
		285	215				235	180		175		135	135	330	270		525						PCR product(s)
							275																
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
																							*04:42
25																							*04:43

	26																						*04:45
		27																					*04:46, 04:50[8]
			28																				*04:48, 04:75[9]
				29																			*04:49
						31																	*04:51
																							*04:52
					30																		*04:53
																41							*04:54
																							*04:55
															40								*04:56, 04:64[10]
												36											*04:57
								33	34														*04:58
							32																*04:59Q, 04:78[11]
																			44				*04:60
									34														*04:61
										35													*04:62, 04:76[12]
											36	37											*04:63
								33															*04:65, 04:72[13]
																				45			*04:66
																					46		*04:67
									34														*04:68
																	42						*04:69, 04:82[14]
																							*04:70
														39									*04:71
												37											*04:73
												37	38										*04:74
							32																*04:77
														39									*04:79
																							*04:80
																		43					*04:81
													38										*04:83
																						47	*04:84
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
190	215	125	120	185	75	180	105	80	200	85	115	110	105	145	140	280	85	170	135	135	300	185	Length of spec.
		285	215				235	180		175		135	135	330	270		525						PCR product(s)
							275																
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.

																							*01:02:01-01:03, 01:05-01:20, 01:23-01:34, 01:36-01:49, 01:51, 02:02:01-02:02:03, 02:02:05-02:02:17, 02:04-02:11, 02:13-02:15, 02:17, 02:19-02:40, 02:42-02:47, 05:01:01:01-05:01:15, 05:03-05:10, 05:12-05:16, 05:18-05:24, 05:26, 05:28-05:38, 05:40-05:41, 05:43-05:48N, 05:50, 05:52-05:53, 06:02:01:01-06:02:01:02, 06:02:03-06:03, 06:06-06:39, 06:41-06:58, 08:02:01-08:02:05, 08:05, 08:07, 08:12, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:25, 08:27, 08:29-08:35, 08:37, 08:43, 08:45, 12:02:01-12:13, 12:15-12:17, 12:21-12:27, 12:29-12:51, 14:26, 15:08, 16:04:01, 16:29, 18:01-18:02, 18:04
																41							*01:04, 14:02:01-14:05, 14:07N-14:08, 14:10-14:14, 14:16-14:19, 14:21N-14:24, 14:27-14:29
														39									*01:21
																							*01:22, 02:03, 02:16:01-02:16:02, 02:18, 05:11, 05:17, 06:04, 08:01:01-08:01:04, 08:03:01-08:04, 08:06, 08:08-08:11, 08:13-08:14, 08:16, 08:20-08:22, 08:24, 08:26N, 08:36N, 08:38-08:40, 08:42, 08:44, 08:46, 12:14:01-12:14:02, 12:18, 12:20, 15:02:01-15:07, 15:09-15:13, 15:16-15:24, 15:26-15:35, 15:37-15:48, 17:01:01:01-17:06, 17:08
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
190	215	125	120	185	75	180	105	80	200	85	115	110	105	145	140	280	85	170	135	135	300	185	Length of spec.
		285	215				235	180		175		135	135	330	270		525						PCR product(s)
							275																
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.
																							*01:35, 05:27, 08:41, 15:15, 17:07, *B*58:02*
																							*01:50
																							*02:12

																							*03:05, 03:25, 03:27
																							*03:34
																							*05:25, 05:42, 06:05, 08:28, 12:28
																							*05:39
					30																		*05:49
																							*07:02:09, 15:25, 16:26
								33	34														*07:08, 07:108
																							*07:64
																							*07:125
																41							*14:06, 14:15
																41							*14:09
																41							*14:20
																41							*14:25
																							*15:36
																	42						*16:12
																							*18:03
																							*A*24:96, A*24:146*
					30																		*B*07:90*
							32	33															*B*40:100*
																							HLA-C allele[4]
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Well No.