INTERPRETATION TABLE

HLA-A low resolution SSP typing

Amplification patterns of the A*01:01 to A*80:02 alleles

	Well[6,8]																							
	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.	120	210	205	190	160	135	175	165	75	85	80	125	175	100	90	240	140	200	160	220	240	85	75	Neg. Control
PCR product(s)	145	255	235		535	175	205	200			175	185	225	200	135	370	180		200	245	375	240	160	
	225	365				210					500			240	205	395							240	
		415																					495	
Length of int. pos. control[1]	800	800	1070	800	800	800	1070	800	800	1070	1070	800	1070	1070	1070	1070	1070	1070	800	800	800	800	800	
5'-primer(s)[2]	98	48	363	98	144	176	98	98	266	257	301	103	98	98	203	41	180	98	180	78	28	78	176	Negative Control
	5'-CTT 3'	5'-gCT 3'	5'-ATA 3'	5'-CTA 3'	5'-gCC 3'	5'-gCA 3'	5'-CTC 3'	5'-CTA 3'	5'-ACg 3'	5'-Cgg 3'	5'-Cgg 3'	5'-CCT 3'	5'-CTT 3'	5'-CAC 3'	5'-gAA 3'	5'-CTT 3'	5'-TTT 3'	5'-CAC 3'	5'-TTT 3'	5'-TCT 3'	5'-TCg 3'	5'-TCT 3'	5'-gCA 3'	
	103	78		413	317	368	368	102	266	259	302	423	423	238	362	355	203			106	261	527	261	
	5'-CCT 3'	5'-TCT 3'		5'-CCg 3'	5'-gCT 3'	5'-gTT 3'	5'-gTT 3'	5'-ACA 3'	5'-ACg 3'	5'-CgA 3'	5'-ggA 3'	5'-gCT 3'	5'-gCT 3'	5'-AgA 3'	5'-ggT 3'	5'-CCg 3'	5'-gAA 3'			5'-CCA 3'	5'-AAC 3'	5'-TgC 3'	5'-AAC 3'	
	123	106						413	266	261	385			355	363		418			2nd			341	
	5'-AgT 3'	5'-CCA 3'						5'-CCg 3'	5'-Agg 3'	5'-AAC 3'	5'-ggC 3'			5'-CCg 3'	5'-ATA 3'		5'-AgC 3'			5'-CCT 3'			5'-ggA 3'	
	363														363								355	
	5'-ATA 3'														5'-ATA 3'								5'-CCC 3'	
															369									
															5'-TAC 3'									
3'-primer(s)[3]	203	240	527	256	265	270	259	259	302	299	341	257	282	257	299	238	290	256	299	265	97	265	292	
	5'-TCT 3'	5'-ggA 3'	5'-CCA 3'	5'-CTg 3'	5'-CCC 3'	5'-ACA 3'	5'-gTT 3'	5'-gTT 3'	5'-ggC 3'	5'-TCg 3'	5'-CgT 3'	5'-gCA 3'	5'-gAC 3'	5'-gCA 3'	5'-CCA 3'	5'-CCT 3'	5'-CAA 3'	5'-CCC 3'	5'-CCA 3'	5'-CCC 3'	5'-ggT 3'	5'-CCC 3'	5'-gTg 3'	
	545	292	527	559	570	502	502	259			521	506	282	299	411	243	317	256	299	282	355	282	292	
	5'-AgA 3'	5'-gTg 3'	5'-CCT 3'	5'-CCg 3'	5'-CCg 3'	5'-CTg 3'	5'-CTT 3'	5'-gTT 3'			5'-ggg 3'	5'-TgT 3'	5'-gAC 3'	5'-TCg 3'	5'-TCA 3'	5'-TCA 3'	5'-ggA 3'	5'-CTC 3'	5'-CCA 3'	5'-gAC 3'	5'-gAC 3'	5'-gAC 3'	5'-gTT 3'	
			555			538	539	538				559	559	418	526	265	555	259	341	282		282	299	
			5'-gCA 3'			5'-CAg 3'	5'-TCT 3'	5'-CCA 3'				5'-CTC 3'	5'-CCg 3'	5'-gTC 3'	5'-CCA 3'	5'-CCC 3'	5'-CCA 3'	5'-gTT 3'	5'-CgT 3'	5'-gAC 3'		5'-gAC 3'	5'-TCT 3'	
			555									559		555		555				502		570	555	
			5'-CCA 3'									5'-CgT 3'		5'-CCA 3'		5'-CCA 3'				5'-CTT 3'		5'-CAC 3'	5'-CCA 3'	
																				506				

																					5' -TgT 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**
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-A allele[4]	**ser[5]**																								
***01:01:01:01-01:01:22, 01:01:24-01:04N, 01:06-01:07, 01:09-01:11N, 01:16N-01:18N, 01:20, 01:22N-01:27N, 01:29, 01:31N-01:33, 01:35-01:50, 01:52N-01:78, 01:80-01:82, 01:84-01:94, 01:96-01:98, 01:100-01:104**	**A1, Null, -**	**1**			**4**																				**Negative control**
***01:01:23, 01:08, 01:14-01:15N, 01:30, 01:79, 01:99**	**A1, Null, -**	**1**																							
***01:12, 01:19**	**A1, -**	**1**		**3**																					
***01:13**	**-**	**1**			**4**							**11**		**13**		**15**									
***01:21**	**-**	**1**		**3**	**4**																				
***01:28**	**-**	**1**			**4**							**11**				**15**									
***01:51**	**-**	**1**			**4**				**8**		**10**														
***01:83**	**-**	**1**			**4**						**10**														
***01:95**	**-**	**1**			**4**	**5**												**17**							
***02:01:01:01-02:01:15, 02:01:17-02:01:19, 02:01:21-02:16, 02:18-02:22:02, 02:24:01-02:33, 02:36-02:45, 02:47, 02:49-02:54, 02:57-02:61, 02:63-02:69, 02:71-02:77, 02:79:01-02:97:02, 02:99, 02:101:01-02:102, 02:104-02:128, 02:130-02:134, 02:136-02:145, 02:147-02:168, 02:170-02:236, 02:238-02:242, 02:244-02:308, 02:310-02:336**	**A2, A19, Low A2, A203, A210, Null, -**		**2**																						
***02:17:01-02:17:02**	**A2**		**2**					**w**																	
***02:34-02:35:01, 02:35:03, 02:56:01-02:56:02, 02:62, 02:103**	**A2, -**		**2**											**13**							**20**		**22**		
***02:35:02**	**A2**													**13**							**20**		**22**		
***02:46, 02:70**	**A2**		**2**																		**20**		**22**		
***02:48, 02:129**	**-**																				**20**		**22**		
***02:55**	**-**		**2**						**8**													**21**		**23**	

*02:78	A2		w		4																20		22		
*02:135	-		2											13											
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
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-A allele[4]	ser[5]																								
*02:146	-		2								10														Negative Control
*02:169	-		2		4																				
*02:237	-		2												14		16								
*02:243	-		2																18			21			
*02:309	-		2										12		14										
*03:01:01:01-03:01:02, 03:01:04-03:01:18, 03:01:20-03:01:22, 03:01:24-03:07, 03:10-03:11N, 03:13-03:17, 03:19-03:22:02, 03:23:02, 03:25-03:29, 03:31, 03:33-03:35, 03:37-03:40, 03:42, 03:44-03:49, 03:51-03:56, 03:58, 03:60-03:62, 03:64-03:71, 03:73-03:74, 03:76-03:81, 03:83-03:87, 03:90-03:94, 03:96-03:106, 03:109-03:110, 03:112-	A3, Null, -			3										13											
*03:01:03, 03:09, 03:23:01	A3, -		w	3										13											
*03:01:19	-			3									12	13											
*03:01:23, 03:08, 03:32, 03:36N, 03:57, 03:59, 03:72, 03:107, 03:111	Null, -			3																					
*03:12	-			3	4																				
*03:18	-	1			4									13											
*03:24, 03:50	A3, -			3					8					13											
*03:30	-			3		5								13											
*03:41	-			3																				23	
*03:43, 03:82	-			3										13		15		17							
*03:63	-			3								11		13										23	
*03:75	-													13										23	
*03:88	-			3	4							11												23	
*03:89, 03:108	-		w	3																					
*03:95	-													13	14		16								
*03:135	-	1			w									13											
*11:01:01-11:05, 11:07-11:09, 11:12-11:17, 11:19-11:24:02, 11:26-11:27, 11:29-11:52Q, 11:54-11:59, 11:61-11:93, 11:95-11:111	A11, Null, -				4							11													

*11:06, 11:18	A11, -		w		4							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
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-A allele[4]	ser[5]																								
*11:10	A11				4				8			11													Negative Control
*11:11	-				4							11	12												
*11:25, 11:60	A11, -			3	4							11													
*11:94, 11:112	-	1			4							11													
*23:01:01-23:13, 23:15-23:50	A23(9), Null, -					5	6																		
*23:14, 24:05, 24:13:02, 24:24[7]	A9, A24(9), -					5	6	7																	
*24:02:01:01-24:04, 24:06-24:11N, 24:13:01, 24:17, 24:20-24:23, 24:25-24:27, 24:29-24:43, 24:45N-24:50, 24:54-24:56, 24:58-24:63, 24:66-24:81, 24:83N-24:88, 24:90N-24:91, 24:93, 24:95-24:113, 24:115-24:128, 24:130-24:137, 24:139-24:187, 24:189-24:190	A24(9), Low A24(9), A2403, A9, Null, -					5		7																	
*24:14-24:15, 24:51-24:53, 24:57, 24:64, 24:94, 24:114, 24:138, 24:188	A24(9), -					5																			
*24:18	A24(9), A3					5		7																23	
*24:19, 24:44	A9, -					5		7				11													
*24:28	A9		w			5		7																	
*24:82	-					5		7														21			
*24:89	-		w					7																	
*24:92	-			3		5																			
*24:129	-							7																	
*25:01:01-25:04, 25:07-25:16	A25(10), Null, -								8	9				13											
*25:05	-								8	9			12	13							20				
*25:06	-								8	9			12												
*26:01:01-26:01:20, 26:01:22, 26:08, 26:10-26:15, 26:17-26:18, 26:20, 26:23-26:29, 26:31-26:33, 26:35-26:43:02, 26:45-26:53, 26:55-26:63, 26:65-26:71N	A26(10), A10, Null, -								8		10			13											
*26:01:21, 26:04, 26:34	A26(10), -								8		10														

*26:02	A26(10)								8		10			w										
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
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-A allele[4]	ser[5]																								
*26:03:01-26:03:02, 26:06, 26:21	A26(10), -		w						8			11		13										23	Negative Control
*26:05	A26(10)								8					13										23	
*26:07:01, 26:64	A26(10), -										10			13											
*26:07:02	A26(10), -		w								10			13											
*26:09	A26(10)								8		10		12												
*26:16	-							7			10			13											
*26:19	-				4									13	14										
*26:22	A26(10)								8		10			13	14							21			
*26:30	-		w						8					13										23	
*26:54	-								8		10		12	13							20				
*26:72	-				4									13											
*29:01:01:01-29:06, 29:08N-29:12, 29:15-29:18, 29:20-29:27, 29:29-29:32	A29(19), Null, -														14										
*29:07	-						6								14										
*29:13	-														14			17							
*29:14	-														14		16								
*29:19	-														14					19					
*29:28	-								8						14										
*30:01:01-30:04:02, 30:06-30:07, 30:09-30:12, 30:14-30:15, 30:17-30:20, 30:22-	A30(19), Null, -															15									
*30:08	-				4											15									
*30:13, 30:16,30:44, 30:46	A30(19), -															15									
*30:55	-													13		15									
*30:56	-						6									15									
*30:57	-														14	15									
*31:01:02-31:02, 31:05-31:07, 31:09-31:28, 31:30-31:34, 31:36-31:56, 31:58-31:59	A31(19), Null, -																16								
*31:03	-											11	12		14		16								
*31:04	A31(19)												12		14		16								
*31:08	-					5											16								
*31:29	-						6										16								
*31:35	-															15	16	17							
*32:01:01-32:02, 32:06-32:12, 32:14, 32:16-32:37	A32(19), Null, -									9								17							
*32:03	-																	17							

*32:04	-			3						9															
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
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-A allele[4]	ser[5]																								
*32:05	-					5											16	17							Negative Control
*32:13	-					5				9								17							
*32:15	-								8	9								17							
*33:01:01-33:01:06, 33:03:01-33:12, 33:14-33:18, 33:20-33:21, 33:23, 33:25-33:47, 33:50, 33:52, 33:54	A33(19), A19, -																		18						
*33:13, 33:48	-										10				14				18						
*33:19	-							7											18						
*33:22	-																		18			21			
*33:24	-																		18					23	
*33:49	-			w															18						
*33:51	-								8																
*33:53	-					5											16		18						
*34:01:01-34:01:02, 34:05-34:06	A34(10), -								8			11	12												
*34:02:01, 34:03-34:04, 34:07	A34(10), -			3					8			11	12												
*34:02:02	-			w					8			11	12												
*34:08	-			3					8			11	12	13											
*34:09	-			3					8				12												
*36:01, 36:03, 36:05	A36, -	1																					22		
*36:02	-	1		3																			22	23	
*36:04	A36	1			4																		22		
*43:01	A43												12	13											
*66:01, 66:04-66:08, 66:10-66:11, 66:13-66:15	A66(10), -								8			11		13											
*66:02-66:03, 66:16	A66(10), A10, -								8				12												
*66:09	-								8			11		13	14							21			
*66:12	-								8					13											
*68:01:01:01-68:04, 68:06-68:12, 68:14, 68:16-68:19, 68:21:01-68:28, 68:31-68:44, 68:46-68:65, 68:67-68:70, 68:72-68:83, 68:85	A68(28), A28, Null, -								8												20				
*68:05, 68:15, 68:20	A68(28), -		w						8												20			23	
*68:13, 68:66	-				4				8												20				
*68:29	-								8										18		20	21			
*68:30	A68(28)		w						8												20				
*68:45	-							7	8												20				

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
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-A allele[4]	ser[5]																								
*68:71	-								8					13							20				Neg. Control
*68:84	-								8		10										20				
*69:01	A69(28)								8													21			
*74:01-74:06, 74:08-74:12N, 74:14N-74:15	A74(19), Null, -																			19					
*74:07	A74(19)																	17		19					
*74:13	-													13						19					
*80:01	A80						6																	23	
*80:02	-						6					11													
*B*18:27*							6																		
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