INTERPRETATION TABLE

HLA-A*11 SSP subtyping

Amplification patterns of the A*11:01 to A*11:139 alleles

	Well[15]																															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Length of spec.	195	270	190	235	180	195	215	100	85	120	215	235	195	100	100	95	205	235	175	175	100	150	80	295	220	305	210	240	80	235	230	205
PCR product(s)					210	550				280					215	205			265	235		230		470		370	260	280		270	285	295
Length of int. pos control[1]	800	1070	1070	1070	800	1070	1070	800	800	1070	800	1070	800	1070	800	1070	1070	1070	1070	800	1070	1070	800	1070	1070	1070	1070	800	1070	1070	1070	1070
5'-primer(s)[2]	127	28	363	363	363	292	363	553	527	97	363	363	102	282	282	391	363	97	103	103	282	103	489	341	97	341	103	103	261	103	97	363
	5'-ggg 3'	5'-TCC 3'	5'-ATA 3'	5'-ATA 3'	5'-ATA 3'	5'-CTC 3'	5'-ATA 3'	5'-TgC 3'	5'-TgC 3'	5'-TCA 3'	5'-ATA 3'	5'-ATA 3'	5'-ACC 3'	5'-CAg 3'	5'-CAg 3'	5'-ACA 3'	5'-ATA 3'	5'-TCC 3'	5'-CCT 3'	5'-CCT 3'	5'-CAC 3'	5'-CCT 3'	5'-gCA 3'	5'-ggA 3'	5'-TCC 3'	5'-ggA 3'	5'-CCT 3'	5'-CCA 3'	5'-AAC 3'	5'-CCT 3'	5'-TCA 3'	5'-ATA 3'
					831	399		565		103					363	399		363						3rd I	363		363	151		363	151	
					5'-gAg 3'	5'-TTA 3'		5'-gCA 3'		5'-CCA 3'					5'-ATA 3'	5'-TTA 3'		5'-ATA 3'						5'-ATA 3'	5'-ATA 3'		5'-ATA 3'	5'-gCC 3'		5'-ATA 3'	5'-gCC 3'	
						413				261						503												363			363	
						5'-CCC 3'				5'-AAC 3'						5'-CAg 3'												5'-ATA 3'			5'-ATA 3'	
3'-primer(s)[3]	282	127	502	559	502	559	539	616	570	341	539	559	257	341	341	559	526	282	236	236	341	214	527	353	282	362	271	341	299	299	341	527
	5'-gAC 3'	5'-CTT 3'	5'-CTg 3'	5'-CgT 3'	5'-CTC 3'	5'-CCg 3'	5'-TCC 3'	5'-CgT 3'	5'-CCg 3'	5'-CgT 3'	5'-TCT 3'	5'-CCg 3'	5'-gCA 3'	5'-CgT 3'	5'-Cgg 3'	5'-CCg 3'	5'-CCg 3'	5'-gAC 3'	5'-CCA 3'	5'-CCA 3'	5'-CgT 3'	5'-CCA 3'	5'-CCT 3'	5'-TgA 3'	5'-gAC 3'	5'-TCA 3'	5'-CAT 3'	5'-CgT 3'	5'-CCA 3'	5'-CCg 3'	5'-CgT 3'	5'-CCA 3'
	282		524	559	899							559			538		526	565	329	299		292	527	621	538	430	330	565		330	605	616
	5'-gAC 3'		5'-CAC 3'	5'-CgT 3'	5'-ACg 3'							5'-CCg 3'			5'-CAA 3'		5'-CCA 3'	5'-CAg 3'	5'-ggC 3'	5'-TCg 3'		5'-gTg 3'	5'-CCT 3'	5'-ggg 3'	5'-CAg 3'	5'-gCg 3'	5'-TgC 3'	5'-CAA 3'		5'-TgC 3'	5'-gCA 3'	5'-CgC 3'
																											570			587		
																											5'-CCg 3'			5'-CCT 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	25	26	27	28	29	30	31	32
HLA-A allele[4,5]																																
***11:01:01**-11:01:20, 11:01:22-11:01:43, 11:01:45, 11:82-11:85, 11:87-11:88, 11:91-11:93, 11:95, 11:97, 11:103-11:105, 11:107, 11:112, 11:114, 11:116-11:117, 11:119, 11:122-11:123, 11:125-**11:126**, 11:128, 11:131-11:133, 11:135-11:136, 11:138[6]	1										11	12		14																		
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	25	26	27	28	29	30	31	32
Length of spec.	195	270	190	235	180	195	215	100	85	120	215	235	195	100	100	95	205	235	175	175	100	150	80	295	220	305	210	240	80	235	230	205
PCR product(s)					210	550				280					215	205			265	235		230		470		370	260	280		270	285	295

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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
*11:01:21, 11:01:44	**1**										**11**			**14**																		
***11:02:01**-11:02:03, 11:77, 11:113		**2**									**11**	**12**		**14**																		
***11:03**	**1**		**3**								**11**	**12**		**14**																		
***11:04,** 11:130	**1**			**4**							**11**			**14**																		
***11:05**	**1**				**5**						**11**	**12**		**14**																		
*11:06	**1**					**6**					**11**	**12**		**14**								**22**										
*11:07	**1**					**6**					**11**	**12**		**14**		**16**																
***11:08**	**1**						**7**					**12**		**14**									**23**									
***11:09**	**1**							**8**			**11**	**12**		**14**																		
***11:10**	**1**									**10**	**11**	**12**		**14**															**29**			
*11:11	**1**										**11**	**12**	**13**	**14**																		
***11:12**	**1**										**11**	**12**			**15**																	
***11:13**, 11:54[7]	**1**										**11**	**12**		**14**		**16**																
*11:14		**2**									**11**	**12**		**14**			**17**															
***11:15:01**	**1**										**11**	**12**		**14**				**18**														
*11:15:02	**1**										**11**	**12**		**14**														**28**				
*11:16		**2**									**11**	**12**		**14**																		
*11:17											**11**	**12**								**20**	**21**						**27**					
*11:18						**6**					**11**	**12**										**22**										
***11:19,** 11:98											**11**	**12**									**21**											
***11:20**	**1**										**11**	**12**		**14**																		
*11:21N	**1**										**11**	**12**		**14**										**24**								
*11:22	**1**					**6**					**11**	**12**		**14**																		
***11:23**	**1**											**12**		**14**																		
***11:24:01**	**1**											**12**		**14**											**25**							
*11:24:02	**1**											**12**		**14**	**15**																	
*11:25	**1**											**12**		**14**	**15**								**23**									
*11:26, 11:118	**1**													**14**												**26**						
*11:27	**1**			**4**					**9**		**11**			**14**													**27**					
***11:29**	**1**										**11**	**12**		**14**																**30**		
***11:30**	**1**										**11**	**12**		**14**																	**31**	
*11:31	**1**											**12**		**14**	**15**																	**32**
***11:32**	**1**										**11**	**12**		**14**																		**32**
*11:33:01-**11:33:02**	**1**		**3**								**11**	**12**		**14**																		
*11:34	**1**							**8**			**11**	**12**		**14**																		
*11:35	**1**			**4**										**14**	**15**																	**32**
*11:36	**1**										**11**	**12**		**14**																		
***11:37**	**1**										**11**	**12**		**14**								**22**										
*11:38		**2**							**9**		**11**	**12**		**14**													**27**					
*11:39	**1**								**9**		**11**	**12**		**14**													**27**					
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Length of spec.	**195**	**270**	**190**	**235**	**180**	**195**	**215**	**100**	**85**	**120**	**215**	**235**	**195**	**100**	**100**	**95**	**205**	**235**	**175**	**175**	**100**	**150**	**80**	**295**	**220**	**305**	**210**	**240**	**80**	**235**	**230**	**205**
PCR product(s)					**210**	**550**				**280**					**215**	**205**			**265**	**235**		**230**		**470**		**370**	**260**	**280**		**270**	**285**	**295**
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
*11:40											**11**	**12**								**20**	**21**											
*11:41	**1**										**11**	**12**		**14**												**26**						

*11:42	1										11	12		14					19	20												
*11:43	1									10	11	12		14																	31	
***11:44**	1						7					12		14																		
***11:45**											11	12		14																30		
***11:46**	1										11	12		14					19													
***11:47**	1										11	12		14				18							25							
***11:48**	1													14										24								
*11:49	1										11	12		14														28			31	
*11:50Q	1						7							14			17															32
*11:51	1										11	12		14																		
*11:52Q	1										11	12		14																		
*11:55	1										11	12		14													27			30		
***11:56**	1										11	12		14																		
*11:57		2									11	12		14																		
***11:58**, **11:67**[8]	1										11	12		14																		
*11:59	1										11	12		14																		
***11:60**	1										11	12		14																		
*11:61	1										11	12		w																		
*11:62, 11:68[9]	1										11	12		14																		
***11:63**, **11:69N**[10]	1										11	12		14																		
*11:64-11:65[11]	1										11	12		14																		
*11:66, 11:72[12]	1										11	12		14																		
***11:70**	1										11	12		14																		
***11:71**											11	12		14																		
***11:73**	1										11	12		14																		
***11:74**	1										11	12		14																		
*11:75	1										11	12		14																		
*11:76	1										11	12		14																		
***11:78N**											11	12		14																		
*11:79	1										11	12		14																		
*11:80	1										11	12		14																		
***11:81,** 11:108[13]	1										11	12		14																		
*11:86	1										11	12		14																		
***11:89**	1										11	12		14																		
***11:90**	1										11			14																		
*11:94	1						7		9			12		14													27					
*11:96	1										11	12																				
*11:99N	1										11	12		14																		
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	25	26	27	28	29	30	31	32
Length of spec.	195	270	190	235	180	195	215	100	85	120	215	235	195	100	100	95	205	235	175	175	100	150	80	295	220	305	210	240	80	235	230	205
PCR product(s)					210	550				280					215	205			265	235		230		470		370	260	280		270	285	295
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	25	26	27	28	29	30	31	32
*11:100	1										11	12		14																		
*11:101		2												14																		
*11:102	1										11	12		14																		
***11:106**											11	12																				
*11:109N	1										11	12		14																		
*11:110		2			5						11	12		14																		
*11:111											11	12		14																		

*11:115N	1										11	12		14																		
*11:120	1										11	12		14																		
*11:121											11	12									21											
*11:124	1										11	12		14																		
*11:127N, 11:137N[14]	1										11	12		14																		
*11:129	1										11	12		14																		
*11:139	1													14																		
*01:01:01:01-01:01:22, 01:01:24-01:01:27, 01:01:29-01:01:47, 01:01:49-01:02, 01:09, 01:11N, 01:16N, 01:18N, 01:22N-01:24, 01:27N-01:33, 01:35-01:40, 01:42, 01:44, 01:46-01:50, 01:52N-01:55, 01:57N-01:60, 01:62, 01:64, 01:67-01:70, 01:74-01:78, 01:80-01:82, 01:84-01:88, 01:90-01:99, 01:103, 01:106-01:108, 01:110-01:114, 01:116-01:124							7					12									21						27					
*01:01:23, 01:01:48, 01:08, 01:15N							7														21						27					
*01:01:28, 01:07, 01:71, 01:100, 01:105							7					12															27					
*01:03, 36:03, 74:10																					21					26						
*01:04N							7					12									21			24			27					
*01:06												12			15						21						27					
*01:10							7					12					17				21						27					
*01:12, 01:19				4							11										21						27					
*01:13	1						7					12		14													27					
*01:14				4			7														21						27					
*01:17							7					12		14													27					
*01:20, 01:63, 01:66, 01:73, 01:89, 02:346																					21											
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Length of spec.	**195**	**270**	**190**	**235**	**180**	**195**	**215**	**100**	**85**	**120**	**215**	**235**	**195**	**100**	**100**	**95**	**205**	**235**	**175**	**175**	**100**	**150**	**80**	**295**	**220**	**305**	**210**	**240**	**80**	**235**	**230**	**205**
PCR product(s)					**210**	**550**				**280**					**215**	**205**			**265**	**235**		**230**		**470**		**370**	**260**	**280**		**270**	**285**	**295**
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
*01:21, 01:126							7					12									21						27					32
*01:25											w	12									21						27					
*01:26							7		9			12									21						27					
*01:41																					21			24								
*01:43							7					12								20	21						27					
*01:45							7					12									21						27					
*01:51							7			10		12									21						27					
*01:56N							7					12									21						27					
*01:61			3				7					12									21						27					

*01:65												**12**									**21**						**27**					
*01:72, 01:102, 36:04							**7**					**12**									**21**											
*01:79, 01:104						**w**	**7**					**12**									**21**						**27**					
*01:83:01-01:83:02							**7**					**12**									**21**						**27**					
*01:101							**7**					**12**									**21**						**27**				**31**	
*01:109							**7**					**12**									**21**						**27**					
*01:115							**7**					**12**									**21**						**27**					**32**
*01:125							**7**					**12**									**21**						**27**					
*02:03:01-02:03:04, 02:148, 02:253, 02:258, 02:264, 02:281																							**w**									
*02:05:01-02:06:04, 02:06:06-02:06:13, 02:08, 02:10, 02:14, 02:21, 02:28, 02:41, 02:44, 02:51, 02:54, 02:57, 02:61, 02:72, 02:79:01-02:79:02, 02:84, 02:91, 02:106, 02:108, 02:122, 02:126-02:127, 02:137, 02:142-02:144, 02:169-02:170, 02:172, 02:178-02:180, 02:229, 02:232, 02:244, 02:248, 02:259, 02:271, 02:278, 02:286, 02:290, 02:295, 02:300, 02:310, 02:324, 02:328, 02:330, 02:333, 02:337, 02:344, 02:355, 02:358-02:359, 02:373N, 02:376, 02:382, 02:387, 02:398, *B*27:87*																						**22**										
*02:26, 02:171:02																							**23**									
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Length of spec.	**195**	**270**	**190**	**235**	**180**	**195**	**215**	**100**	**85**	**120**	**215**	**235**	**195**	**100**	**100**	**95**	**205**	**235**	**175**	**175**	**100**	**150**	**80**	**295**	**220**	**305**	**210**	**240**	**80**	**235**	**230**	**205**
PCR product(s)					**210**	**550**				**280**					**215**	**205**			**265**	**235**		**230**		**470**		**370**	**260**	**280**		**270**	**285**	**295**
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
*02:34-02:35:03	**1**														**w**																	
*02:38, 02:135						**6**																										
*02:55, 33:01:01-33:01:07, 33:03:01-33:07, 33:10-33:12, 33:14-33:16, 33:18:01-33:20, 33:22-33:37, 33:39-33:47, 33:50-33:52, 33:54-33:65, 33:67, 66:03, 68:03:01-68:05, 68:20, 68:31, 68:90																													**29**			

*02:56:01-02:56:02, 02:62, 02:78, 02:103, 03:01:30, 03:40, 03:75, 03:95, 03:98, 03:105, 68:10, 68:13:01-68:14, 68:66, 74:13	**1**														**15**																	
*02:65, 02:80, 02:114, 02:152, 02:246, 02:279, 02:298, 02:304, 29:48, 33:08-33:09, 74:04, *B*57:04, B*57:32*																																
*02:99																						**22**	**23**									
*02:101:01						**6**																										
*02:117																							**w**									
*02:154						**6**																**22**										
*02:156, 02:338				**4**											**15**																	**32**
*02:294, 32:54					**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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Length of spec.	**195**	**270**	**190**	**235**	**180**	**195**	**215**	**100**	**85**	**120**	**215**	**235**	**195**	**100**	**100**	**95**	**205**	**235**	**175**	**175**	**100**	**150**	**80**	**295**	**220**	**305**	**210**	**240**	**80**	**235**	**230**	**205**
PCR product(s)					**210**	**550**				**280**					**215**	**205**			**265**	**235**		**230**		**470**		**370**	**260**	**280**		**270**	**285**	**295**
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
*03:01:01:01-03:01:01:03, 03:01:03-03:01:08, 03:01:10-03:01:22, 03:01:24-03:01:29, 03:01:31-03:01:37, 03:03N-03:05:01, 03:06, 03:09, 03:11N-03:17:02, 03:19-03:20, 03:25-03:30, 03:33-03:35, 03:37-03:39, 03:43-03:49, 03:51-03:56, 03:58-03:62, 03:64, 03:67-03:68N, 03:70-03:72, 03:74, 03:77, 03:79-03:81, 03:83-03:86, 03:91N-03:94, 03:96, 03:99-03:104, 03:109-03:110, 03:112, 03:114-03:121, 03:124-03:132, 03:134, 03:136-03:141, 03:143-03:151, 03:155-03:159, 03:162N	**1**			**4**											**15**																	
*03:01:02, 03:05:02	**1**			**4**											**15**										**25**							
*03:01:09, 03:01:23, 03:08, 03:36N, 03:57, 03:107-03:108, 03:111, 03:142, 03:152, 03:161N, 32:04				**4**											**15**																	
*03:01:38	**1**			**4**											**15**								**23**									

*03:02:01-03:02:03, 03:10, 03:31, 03:73, 03:76, 03:82, 03:90, 03:106, 03:160	1			4							11				15																	
*03:07, 03:133	1			4											15																	32
*03:18	1						7					12			15												27					
*03:21N	1			4											15									24								
*03:22:01-03:22:02	1		3	4											15																	
*03:23:01-03:23:02	1			4											15																	
*03:24	1			4											15														29			
*03:32				4							11																					
*03:41				4											15						21											
*03:42	1		3	4											15																	32
*03:50, 03:66, 03:153	1			4			7								15																	
*03:63, 03:88	1			4										14	15																	
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	25	26	27	28	29	30	31	32
Length of spec.	195	270	190	235	180	195	215	100	85	120	215	235	195	100	100	95	205	235	175	175	100	150	80	295	220	305	210	240	80	235	230	205
PCR product(s)					210	550				280					215	205			265	235		230		470		370	260	280		270	285	295
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	25	26	27	28	29	30	31	32
*03:65, 03:69N	1			4							11				15																	
*03:78	1			4											15																	
*03:87	1			4											15																31	
*03:89				4											15																	
*03:97, 03:122	1			4											15												27					
*03:113	1			4							11				w																	
*03:123	1			4											15																	
*03:135	1		3				7					12			15												27					
*03:154	1			4											15																	32
*23:07N, 24:11N																								24								
*24:19, *C*03:82*	1																															
*24:24, 29:01:01:01-29:03, 29:05-29:18, 29:21-29:29, 29:31-29:33, 29:35-29:47, 29:49-29:50, 30:52, 32:17, 68:36, 68:46, 68:84															15																	
*24:44, 24:109																					w											
*24:59									9																							
*24:92				4							11																27					
*24:177, *B*15:173, B*50:11, C*12:74*																																
*25:01:01-25:01:07, 25:03-25:05, 25:07, 25:09-25:10, 25:12N, 25:14, 25:16, 25:19-25:21, 26:05, 26:16, 26:20, 26:57										10											21											
*25:02										10				14																		
*25:06, 25:08, 25:18, 25:22										10											21											

*25:11						6				10											21											
*25:13																																
*25:15, 25:17										10																						
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Length of spec.	**195**	**270**	**190**	**235**	**180**	**195**	**215**	**100**	**85**	**120**	**215**	**235**	**195**	**100**	**100**	**95**	**205**	**235**	**175**	**175**	**100**	**150**	**80**	**295**	**220**	**305**	**210**	**240**	**80**	**235**	**230**	**205**
PCR product(s)					**210**	**550**				**280**					**215**	**205**			**265**	**235**		**230**		**470**		**370**	**260**	**280**		**270**	**285**	**295**
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
*26:01:01-26:01:14, 26:01:16-26:01:20, 26:01:23-26:01:25, 26:01:27-26:02, 26:08, 26:10, 26:14-26:15, 26:17, 26:22-26:27, 26:37-26:43:02, 26:45-26:46, 26:48, 26:50-26:51, 26:53-26:56, 26:58-26:61, 26:63, 26:66-26:69, 26:71N, 26:74, 26:77, 26:79-26:82, 26:84										**10**										**20**	**21**											
*26:01:15, 26:01:21, 26:01:26, 26:04, 26:09, 26:11N-26:12, 26:18, 26:29, 26:34, 26:47, 26:49, 26:73										**10**										**20**	**21**											
*26:01:22, 26:64, 26:83										**10**										**20**												
*26:03:01-26:03:02, 26:06, 26:21						**6**				**10**											**21**	**22**							**29**			
*26:07:01-26:07:02, 26:31, 26:76																				**20**	**21**											
*26:13, 26:33										**10**				**14**						**20**												
*26:19														**14**						**20**												
*26:28, 26:52										**10**										**20**	**21**											
*26:30						**6**																**22**							**29**			
*26:32, 26:70										**10**										**20**	**21**					**26**						
*26:35										**10**											**21**							**28**				
*26:36						**6**				**10**										**20**	**21**											
*26:62										**10**										**20**	**21**						**27**					
*26:65																				**20**												
*26:72																				**20**	**21**						**27**					
*26:75								**8**		**10**										**20**	**21**											
*26:78										**10**											**21**	**22**							**29**			
*29:04															**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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Length of spec.	**195**	**270**	**190**	**235**	**180**	**195**	**215**	**100**	**85**	**120**	**215**	**235**	**195**	**100**	**100**	**95**	**205**	**235**	**175**	**175**	**100**	**150**	**80**	**295**	**220**	**305**	**210**	**240**	**80**	**235**	**230**	**205**
PCR product(s)					**210**	**550**				**280**					**215**	**205**			**265**	**235**		**230**		**470**		**370**	**260**	**280**		**270**	**285**	**295**
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**

*30:01:01-30:01:06, 30:02:01-30:02:04, 30:02:06-30:03, 30:07-30:08, 30:10-30:13, 30:15-30:16, 30:19-30:20, 30:22, 30:24-30:26, 30:30-30:34, 30:36-30:38, 30:40-30:42, 30:44-30:45, 30:48-30:50, 30:53, 30:56-30:71			3	4											15		17														
*30:01:07, 30:23, 30:27N			3	4											15																
*30:02:05			3	4													17								25						
*30:04:01-30:04:02, 30:06, 30:29, 30:46			3	4			7																								32
*30:09, 31:04			3	4											15																32
*30:14L, 30:43			3												15		17														
*30:17			3	4			7								15																32
*30:18, 30:55	1		3	4											15		17														
*30:35, 30:54				4											15		17														
*30:39			3	4											15		17	18													
*30:51			3	4											15		17														32
*31:03			3	4						10					15						21									31	32
*31:65, *B*44:36*																															
*33:13										10											21					26				31	
*33:49			3	4											15														29		32
*34:01:01-34:01:02, 34:05	1									10				w															29		
*34:02:01, 34:02:03, 34:04, 34:08, 34:10N	1		w	4						10				14	15														29		
*34:02:02	1		w	4						10				14											25				29		
*34:03	1		3	4						10				14	15														29		
*34:06, 66:06-66:07, 66:10, 66:18	1									10				14															29		
*34:07	1		w	4						10					15														29		
*34:09	1		w	4											15														29		
*36:01-36:02, 36:05				4			7														21										
*43:01													13							20	21										
*66:01, 66:04, 66:09, 66:13-66:14, 66:19	1									10				14															29		
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	25	26	27	28	29	30	31	32
Length of spec.	195	270	190	235	180	195	215	100	85	120	215	235	195	100	100	95	205	235	175	175	100	150	80	295	220	305	210	240	80	235	230	205
PCR product(s)					210	550				280					215	205			265	235		230		470		370	260	280		270	285	295
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	25	26	27	28	29	30	31	32

*66:02, 66:16, 68:01:01:01-68:01:17, 68:02:01:01-68:02:05, 68:06-68:09, 68:11N-68:12, 68:16-68:19, 68:21:01-68:23, 68:25-68:29, 68:32-68:35, 68:37-68:39, 68:41, 68:43-68:45, 68:47-68:53, 68:55-68:56, 68:58-68:60, 68:62, 68:64-68:65, 68:67-68:71, 68:73-68:74, 68:76-68:83, 68:86-68:89, 68:91, 68:94N-68:96, 68:98-68:99, 69:01	**1**														**15**													**29**			
*66:05, 66:15										**10**											**21**								**29**			
*66:08	**1**				**5**					**10**				**14**															**29**			
*66:11										**10**				**14**																**30**		
*66:12	**1**														**15**														**29**			
*66:17	**1**									**10**				**14**															**29**			
*68:01:18, 68:24, 68:40, 68:72, 68:85, 68:93, 68:97	**1**																												**29**			
*68:15																						**22**							**29**			
*68:30, 68:75	**1**														**15**																	
*68:42, 68:54	**1**														**15**								**w**						**29**			
*68:57, 68:92															**15**														**29**			
*68:61	**1**														**15**								**w**						**29**			
*68:63	**1**														**15**								**23**						**29**			
*80:01:01:01-80:02																	**17**				**21**				**25**		**27**					
*B*07:102, B*08:18, B*35:178, B*73:01-73:02*										**10**																						
*B*07:117*																																
*B*39:75*																			**19**	**20**												
*C*06:72, C*06:90, C*07:277*																										**26**						
C*07:221																																
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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
HLA-A allele[4,5]																																

INTERPRETATION TABLE

HLA-A*11 SSP subtyping

Amplification patterns of the A*11:01 to A*11:139 alleles

Well[15]																																
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	Length of spec.
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					PCR product(s)
305	265																															
1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	1070	1070	1070	1070	800	800	1070	1070	1070	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	Length of int. pos control[1]
77	103	363	322	363	103	101	363	363	103	257	98	112	460	527	125	363	565	28	428	650	116	363	154	368	103	670	363	527	527	650	701	5'-primer(s)[2]
5'-CTA 3'	5'-CCT 3'	5'-ATA 3'	5'-gCC 3'	5'-ATA 3'	5'-CCT 3'	5'-CAT 3'	5'-ATA 3'	5'-ATA 3'	5'-CCT 3'	5'-Cgg 3'	5'-CTA 3'	5'-CCT 3'	5'-ACg 3'	5'-TgC 3'	5'-CgC 3'	5'-ATA 3'	5'-gCA 3'	5'-TCC 3'	5'-CgC 3'	5'-CCC 3'	5'-gCT 3'	5'-ATA 3'	5'-A.g 3'	5'-gTg 3'	5'-CCT 3'	5'-CCg 3'	5'-ATA 3'	5'-TgA 3'	5'-TgA 3'	5'-CCC 3'	5'-CCT 3'	
101			395			107			3rd I		511						733		3rd I		363	650									874	
5'-CAT 3'			5'-gCT 3'			5'-.gT 3'			5'-ATA 3'		5'-AgA 3'						5'-ATA 3'		5'-ATA 3'		5'-ATA 3'	5'-CCC 3'									5'-CCg 3'	
272																																
5'-TgC 3'																																
341	146	427	418	427	181	341	412	527	235	418	270	282	539	539	282	497	616	122	616	806	341	559	341	570	153	899	426	616	559	884	899	3'-primer(s)[3]
5'-CgT 3'	5'-CCg 3'	5'-gTg 3'	5'-gTC 3'	5'-gTA 3'	5'-gTT 3'	5'-CgT 3'	5'-CCC 3'	5'-CCA 3'	5'-CTg 3'	5'-gTC 3'	5'-ACT 3'	5'-gAC 3'	5'-TCT 3'	5'-TCC 3'	5'-gAC 3'	5'-Tgg 3'	5'-CgT 3'	5'-Cgg 3'	5'-CgT 3'	5'-CCA 3'	5'-CgT 3'	5'-CTC 3'	5'-CgT 3'	5'-CAC 3'	5'-ACT 3'	5'-ACA 3'	5'-TCC 3'	5'-CgT 3'	5'-CCg 3'	5'-ggC 3'	5'-ACA 3'	
	242	614		613	285		506		723		616					513	899		704		513	727					585					
	5'-CCC 3'	5'-TgT 3'		5'-gCA 3'	5'-T.. 3'		5'-TgT 3'		5'-TgT 3'		5'-CgT 3'					5'-TCT 3'	5'-ACA 3'		5'-CCA 3'		5'-TCT 3'	5'-CCA 3'				5'-AgT 3'					
	329															542																
	5'-ggC 3'															5'-CTg 3'																
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	Well No.
																																HLA-A allele[4,5]
																																***11:01:01**-11:01:20, 11:01:22-11:01:43, 11:01:45, 11:82-11:85, 11:87-11:88, 11:91-11:93, 11:95, 11:97, 11:103-11:105, 11:107, 11:112, 11:114, 11:116-11:117, 11:119, 11:122-11:123, 11:125-**11:126**, 11:128, 11:131-11:133, 11:135-11:136, 11:138[6]
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	Well No.
110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	Length of spec.
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					PCR product(s)

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	Well No.
305	265																															
																																*11:01:21, 11:01:44
																																***11:02:01**-11:02:03, 11:77, 11:113
																												61				***11:03**
																																***11:04, 11:130**
																																***11:05**
																																*11:06
																																*11:07
																													62			***11:08**
																																***11:09**
																																***11:10**
																																*11:11
																																***11:12**
																																***11:13**, 11:54[7]
																																*11:14
																																***11:15:01**
																																*11:15:02
																49																*11:16
																																*11:17
																																*11:18
																																***11:19,** 11:98
																													62			***11:20**
																																*11:21N
																																*11:22
																49																***11:23**
																																***11:24:01**
																																*11:24:02
																													62			*11:25
																																*11:26, 11:118
																																*11:27
																																***11:29**
																																***11:30**
								41																								*11:31
																																***11:32**
																																*11:33:01-**11:33:02**
																	50															*11:34
								41								**49**																*11:35
																								57								*11:36
																																***11:37**
																																*11:38
																																*11:39
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	Well No.
110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	Length of spec.
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					PCR product(s)
305	265																															
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	Well No.
																																*11:40
																																*11:41

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
																																*11:42
																																*11:43
														47																		***11:44**
																																***11:45**
	34																															***11:46**
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																																***11:48**
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	**Length of spec.**
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					**PCR product(s)**
305	265																															
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	**Length of spec.**
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					**PCR product(s)**
305	265																																	
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	**Length of spec.**
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					**PCR product(s)**
305	265																															
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	**Length of spec.**
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					**PCR product(s)**
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	Length of spec.
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					PCR product(s)
305	265																															
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	**Length of spec.**
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					**PCR product(s)**
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110	85	105	65	105	120	280	90	205	175	445	145	210	120	55	200	185	90	265	230	195	190	120	230	245	90	370	105	130	75	275	340	**Length of spec.**
280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					**PCR product(s)**
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280	180	290	380	290	225		185		560		215					220	310		545		265	235					265					PCR product(s)
305	265																															
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