INTERPRETATION TABLE

HLA-A*03 SSP subtyping

Amplification patterns of the A*03:01 to A*03:161N alleles

	Well[18]																															
	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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
Length of int. pos. control[1]	800	1070	1070	800	800	1070	1070	1070	1070	800	800	1070	800	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	1070
5'-primer(s)[2]	363	98	363	363	382	363	363	102	98	363	98	144	4th I	28	98	98	363	363	368	363	363	363	355	3rd I	144	98	83	341	282	363	365	98
	5'-ATA 3'	5'-CTT 3'	5'-ATA 3'	5'-ATA 3'	5'-Tgg 3'	5'-ATA 3'	5'-ATA 3'	5'-ACA 3'	5'-CTC 3'	5'-ATA 3'	5'-CTT 3'	5'-gCC 3'	5'-ggA 3'	5'-TCC 3'	5'-CTA 3'	5'-CTT 3'	5'-ATA 3'	5'-ATA 3'	5'-gTT 3'	5'-ATA 3'	5'-ATA 3'	5'-ATA 3'	5'-CCC 3'	5'-ATA 3'	5'-gCC 3'	5'-CTT 3'	5'-CTg 3'	5'-ggA 3'	5'-CAg 3'	5'-ATA 3'	5'-AAC 3'	5'-CTT 3'
								102	363					363									385				179	874	282		385	
								5'-ACA 3'	5'-ATA 3'					5'-ATA 3'									5'-ggC 3'				5'-gTg 3'	5'-CCg 3'	5'-CAg 3'		5'-ggC 3'	
																							413				228				406	
																							5'-CCA 3'				5'-ATg 3'				5'-gCC 3'	
																							502									
																							5'-CCC 3'									
3'-primer(s)[3]	555	282	527	539	527	595	538	299	282	388	282	292	899	92	282	333	539	455	555	382	453	570	555	621	256	239	282	555	341	454	555	206
	5'-CCA 3'	5'-gAC 3'	5'-CCT 3'	5'-TCT 3'	5'-CCT 3'	5'-CCg 3'	5'-CTA 3'	5'-CCA 3'	5'-gAC 3'	5'-gAT 3'	5'-gAg 3'	5'-gTg 3'	5'-ACA 3'	5'-AAC 3'	5'-gAC 3'	5'-CTg 3'	5'-TCA 3'	5'-CCA 3'	5'-CCA 3'	5'-CCT 3'	5'-TCT 3'	5'-CCg 3'	5'-CCA 3'	5'-ggg 3'	5'-CCC 3'	5'-gCT 3'	5'-gAC 3'	5'-CCA 3'	5'-Cgg 3'	5'-CTg 3'	5'-CCA 3'	5'-CCg 3'
	555	282				595	557	299	555	527	282			426				528		496	453					259		899		479		278
	5'-CCA 3'	5'-gAC 3'				5'-CCT 3'	5'-Tgg 3'	5'-CCA 3'	5'-CCC 3'	5'-CCA 3'	5'-gAg 3'			5'-TCT 3'				5'-gCg 3'		5'-gAA 3'	5'-TCC 3'					5'-gTT 3'		5'-ACA 3'		5'-CCC 3'		5'-ggA 3'
	557									527	282							539			479									533		327
	5'-Tgg 3'									5'-CCA 3'	5'-gAg 3'							5'-TCC 3'			5'-CCC 3'									5'-gCC 3'		5'-TTT 3'
																					518											
																					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]																																

Length of spec.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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]																																
***03:01:01:01,** 03:01:01:03, **03:01:03-03:01:05,** 03:01:07, 03:01:09-**03:01:11,** 03:01:13, **03:01:15-**03:01:22, 03:01:24-03:01:29, 03:01:31-03:01:38, 03:26, 03:77, 03:80, 03:83-03:85, 03:92, 03:94, 03:100-03:101, 03:110, 03:114-03:117, 03:119-03:121, 03:124-03:126, 03:131, 03:136-03:139, 03:141, 03:144-03:148, 03:151, 03:154-03:159[19]	1	2	3					8									17												29			
***03:01:01:02N**	1	2	3					8					13				17												29			
*03:01:02, **03:01:06**, 03:01:14, 03:140	1	2						8									17												29			
*03:01:08, 03:109	1	2	3														17												29			
***03:01:12,** 03:01:23	1	w	3					8									17												29			
*03:01:30, 03:98, 03:105		2	3					8									17												29			
***03:02:01-**03:02:03, 03:82, 03:90, 03:106, 03:160	1	2		4				8		10																			29			
*03:03N	1	2	3		5			8									17												29			
*03:04:01-03:04:03	1	2	3			6		8									17												29			
***03:05:01**		2	3					8	9								17												29			
*03:05:02, 30:55[5]		2						8	9								17												29			
*03:06	1	2	3				7	8									17												29			
***03:07**	1	2						8		10							17												29			
***03:08**	1		3					8			11						17															
***03:09**	1	2	3					8				12					17												29			
*03:10		2		4				8	9	10																			29			
*03:11N	1	2	3					8						14			17												29			
*03:12	1		3												15		17												29			
*03:13	1	2	3					8									17	18											29			
*03:14	1	2	3					8								16	17												29			
*03:15	1	2	3					8									17		19										29			
***03:16,** 03:61[7]	1	2	3					8									17			20									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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270

																							240									
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
*03:17:01-03:17:02, **03:74**[8]	1	2	3					8									17				21								29			
*03:18, 03:135		2						8														22							29			
*03:19	1	2	3					8									17		19				23						29			
*03:20**, 03:47**[9]	1	2	3					8									17												29			
*03:21N	1	2	3					8									17							24					29			
***03:22:01-03:22:02,** 03:103[10]	1	2	3					8									17						23						29			
*03:23:01-03:23:02	1	2	3					8									17								25				29			
*03:24	1	2	3					8									17									26			29			
*03:25, 03:71[11]	1	2	3					8									17										27		29			
***03:27, 03:49**[12]	1	2	3					8									17												29	30		
***03:28**	1	2	3					8									17												29		31	
*03:29	1	2	3					8									17															32
*03:30	1	2	3					8									17												29			
*03:31	1	2		4				8		10																			29			
*03:32	1			4				8		10	11																					
***03:33,** 03:70[13]	1	2	3					8									17												29			
***03:34**	1	2	3					8									17															
*03:35	1	2	3					8									17												29			
*03:36N	1		3					8									17															
*03:37	1	2	3					8									17												29			
***03:38, 03:68N**[14]	1	2	3					8									17												29			
*03:39	1	2	3					8									17												29			
*03:40		2	3					8									17												29			
*03:41	1		3								11						17											28				
*03:42		2						8	9	10							17												29			
*03:43	1	2	3					8									17												29			
*03:44, **03:53**[15]	1	2	3					8									17												29			
*03:45	1	2	3					8									17												29			
*03:46	1	2	3					8									17												29			
***03:48**	1	2	3					8									17												29			
***03:50**	1	2						8										18											29			
***03:51**	1	2	3					8									17												29			
*03:52	1	2	3					8									17												29			
*03:54	1	2						8									17												29			
*03:55	1	2	3					8									17												29			
***03:56,** 03:99	1	2	3					8									17						23						29		31	
***03:57**	1		3														17												29			
*03:58	1	2	3					8									17												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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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
*03:59	1		3					8						14			17												29			
*03:60	1	2	3					8		10							17												29			
***03:62**	1	2	3					8									17															
***03:63**	1	2	3					8									17											28				

*03:64	1	2						8									17	18											29			
***03:65**	1	2		4				8																					29			
***03:66**	1	2						8										18											29			
*03:67	1	2	3					8									17												29			32
***03:69N**	1	2	3	4			7	8																					29			
*03:72	1		3					8	9								17												29			
*03:73	1	2		4				8		10																			29			
*03:75		2						8															23						29			
***03:76**	1	2		4				8		10																			29			
*03:78, 03:161N[16]	1	2	3					8									17												29			
***03:79**	1	2	3					8									17												29			
***03:81**	1	2	3					8									17												29			
***03:86**	1	2	3					8									17												29			
***03:87**	1	2	3					8									17												29			
***03:88**	1		3												15		17						23					28			31	
*03:89	1		3					8									17															
***03:91N**	1	2	3					8									17												29			32
***03:93**	1	2	3					8									17									26			29			
*03:95, 74:13[6]		2						8																					29			
***03:96**	1	2	3					8									17												29			
***03:97**	1	2	3					8									17					22							29			
***03:102**	1	2	3					8									17				21								29	30		
***03:104**	1	2	3					8									17												29			
*03:107	1		3								11						17															
***03:108**	1		3					8				12					17															
***03:111**	1		3					8									17												29			
*03:112	1	2	3					8									17												29			
***03:113**	1	2		4				8		10																			29			
*03:118, 03:134[17]	1	2	3					8									17												29			
*03:122		2	3					8									17					22							29			
***03:123**	1	2	3					8									17												29			
***03:127**	1	2						8									17												29			
***03:128**	1	2	3					8									17												29			
*03:129N	1	2	3					8									17												29			
***03:130**	1	2	3					8									17												29			
*03:132	1	2	3					8									17												29			
***03:133**	1	2						8		10							17												29			
*03:142	1		3					8									17												29			
***03:143**	1	2	3					8									17												29		31	
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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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
***03:149**	1		3					8									17										27		29			
***03:150**	1	2	3					8									17												29			
*03:152	1		3														17															
*03:153	1	2						8																					29			

*01:01:01:01-01:01:03, 01:01:05-01:01:12, 01:01:14-01:01:28, 01:01:30-01:01:31, 01:01:33-01:01:34, 01:01:36-01:01:46, 01:01:48-01:01:49, 01:01:51, 01:08-01:11N, 01:14-01:16N, 01:18N, 01:22N-01:23, 01:26-01:27N, 01:29-01:33, 01:35-01:42, 01:44, 01:46-01:50, 01:52N-01:62, 01:64-01:65, 01:67-01:71, 01:74-01:82, 01:84-01:85, 01:87N, 01:89-01:94, 01:96-01:97, 01:99-01:100, 01:103, 01:105-01:107, 01:109-01:112, 01:114-01:122											**11**												**22**									
*01:01:04, 01:01:13, 01:01:29, 01:01:35, 01:01:50, 01:24, 01:113											**11**												**22**									
*01:01:32, 01:02, 01:07, 01:43, 01:95																							**22**									
*01:01:47, 01:17, 01:104, 01:108																							**22**									
*01:03, 01:63, 01:66, 01:72-01:73, 01:102, 36:03-36:04, 74:10											**11**																					
*01:04N											**11**												**22**		**24**							
*01:06											**11**						**17**						**22**									
*01:12, 01:19				**4**						**10**	**11**												**22**									
*01:13		**2**						**8**															**22**									
*01:21										**10**	**11**												**22**									
*01:25				**4**							**11**												**22**									
*01:28								**8**			**11**												**22**									
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.	**235**	**225**	**205**	**215**	**185**	**275**	**225**	**240**	**230**	**65**	**225**	**190**	**145**	**105**	**225**	**275**	**215**	**135**	**230**	**60**	**130**	**250**	**95**	**470**	**155**	**190**	**95**	**495**	**100**	**130**	**200**	**150**
PCR product(s)										**205**				**235**				**210**		**175**	**155**		**185**				**145**			**155**	**230**	**220**
																					195		**210**				**240**			**210**		**270**
																							240									
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**
*01:45											**11**											**22**										
*01:51											**11**											**22**				**26**						
*01:83:01-01:83:02											**11**											**22**			**25**							
*01:86						**6**					**11**											**22**										
*01:88											**11**										**21**	**22**										
*01:98											**11**							**18**				**22**										
*01:101											**11**											**22**										
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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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**
*02:01:01:01-02:01:08, 02:01:10-02:01:15, 02:01:17-02:01:19, 02:01:21-02:01:48, 02:01:50-02:01:81, 02:01:83-02:04, 02:07:01-02:07:02, 02:09, 02:11:01, 02:11:03-02:13, 02:15N-02:18, 02:20:01-02:20:02, 02:22:01-02:22:02, 02:24:01-02:27, 02:29-02:33, 02:38-02:40:02, 02:42-02:43N, 02:45-02:47, 02:49, 02:52-02:53N, 02:55, 02:58-02:60:02, 02:63-02:71, 02:73-02:76:01, 02:77, 02:80, 02:82N-02:83N, 02:85-02:86, 02:88N-02:89, 02:92-02:97:02, 02:101:01-02:102, 02:104-02:105, 02:107, 02:109-02:111, 02:113N-02:121, 02:123, 02:125N, 02:128, 02:130-02:135, 02:138-02:141, 02:145, 02:147-02:153, 02:155, 02:157-02:163, 02:165-02:168, 02:171:01-02:171:02, 02:173-02:177, 02:181-02:183, 02:185-02:228, 02:230-02:231, 02:233-02:236, 02:238-02:243, 02:245-02:246, 02:249-02:254, 02:256-02:258, 02:260-02:270, 02:272-02:277, 02:279-02:285, 02:287-02:289, 02:291-02:294, 02:296-02:299, 02:301N-02:309, 02:311-02:323, 02:325-02:327, 02:329, 02:332, 02:334-02:336, 02:339-02:343, 02:345-02:354, 02:356N-02:357, 02:360-02:372, 02:374-02:375, 02:377-02:379, 02:381, 02:383-02:386, 02:388-02:392, 31:01:02-31:01:05, 31:01:07-31:02, 31:06, 31:09, 31:11-31:18, 31:20, 31:22-31:32, 31:34-31:68, 31:70, 33:01:01-33:01:07, 33:03:01-33:03:05, 33:03:07-33:07, 33:09, 33:11-33:12, 33:14-33:16, 33:18:01-33:18:02, 33:20-33:23, 33:25-33:37, 33:39-33:47, 33:50, 33:52-33:64, 74:05								**8**																								
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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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**
*02:01:09, 02:50, 02:76:02								**8**				**12**													**25**							
*02:05:05, 02:06:07, 02:122												**12**													**25**							
*02:11:02, 33:08								**8**																	**25**							
*02:19, 02:36-02:37, 02:255, 24:44, 31:05, 33:10, 33:19								**8**																								
*02:34-02:35:02, 02:56:01-02:56:02, 02:62, 02:103		**w**						**8**																					**29**			
*02:35:03		**w**						**8**																	**25**				**29**			
*02:48, 02:90, 74:01-74:03, 74:08-74:09, 74:11-74:12N, 74:14N-74:17								**8**			**11**																					
*02:54, 23:01:01-23:03:02, 23:05-23:06, 23:08N-23:12, 23:14:01-23:15, 23:17-23:30, 23:32-23:41, 23:44, 23:46-23:54, 24:02:01:01-24:02:04, 24:02:06-24:02:28, 24:02:30-24:02:63, 24:04-24:06, 24:09N, 24:13:01-24:14, 24:17, 24:20-24:21:02, 24:25-24:27, 24:29-24:32, 24:34-24:40N, 24:43, 24:45N-24:50, 24:52-24:64, 24:66-24:74, 24:76-24:88, 24:90N-24:91, 24:93, 24:95-24:103, 24:105-24:107, 24:109-24:111, 24:113-24:117, 24:119-24:124, 24:126-24:130, 24:133-24:137, 24:139-24:166, 24:168-24:203, 24:205-24:206, 24:208-24:209, 24:212, 24:214, 24:216-24:218, 24:220-24:222N																																
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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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**
*02:78, 66:02, 66:12, 66:16, 68:01:01:01-68:02:05, 68:06-68:14, 68:16-68:19, 68:21:01-68:25, 68:27-68:28, 68:30, 68:32-68:35, 68:37-68:39, 68:41-68:44, 68:47-68:56, 68:58-68:64, 68:66-68:70, 68:73-68:83, 68:86-68:89, 68:91-68:92, 68:94N-68:96, 69:01															**15**														**29**			
*02:81, 02:124, 02:146, 26:20, 32:01:01-32:02, 32:06, 32:09-32:14, 32:16, 32:18-32:26, 32:28-32:36, 32:38-32:41, 32:43-32:51, 32:53-32:55											**11**																					
*02:156, 02:338								**8**	**9**	**10**							**17**				**21**											
*02:164, 31:69								**8**																								
*02:237								**8**															**23**									
*02:380, 31:19								**8**																								
*11:01:01-11:02:01, 11:02:03-11:03, 11:05, 11:07, 11:09-11:11, 11:13-11:15:02, 11:20, 11:22, 11:29, 11:32-11:34, 11:36-11:37, 11:41-11:42, 11:46, 11:48-11:49, 11:51-11:52Q, 11:54-11:56, 11:58-11:59, 11:61-11:72, 11:74-11:77, 11:79-11:87, 11:89-11:91, 11:93, 11:95-11:97, 11:99N-11:100, 11:102-11:105, 11:107, 11:109N-11:110, 11:112-11:117, 11:120, 11:122-11:129, 11:131-11:132				**4**											**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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									

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
*11:02:02				4											w																	
*11:04				4					9						15																	
*11:06				4								12			w																	
*11:08, 11:44															15			18														
*11:12				4											15														29			
*11:16, 11:57, 11:73				4											15																	
*11:17, 11:19, 11:40, 11:45, 11:47, 11:78N, 11:92, 11:98, 11:106, 11:111				4																												
*11:18				4								12																				
*11:21N				4											15									24								
*11:23, 11:26, 11:50Q, 11:101, 11:118, 34:01:01-34:01:02, 34:05-34:06, 66:01, 66:04, 66:06-66:10, 66:13-66:14, 66:18-66:19, 68:40, 68:72, 68:85, 68:93															15																	
*11:24:01															15		17															
*11:24:02															15		17															
*11:25			3												15		17															
*11:27, 11:38-11:39				4											15							22										
*11:30				4											15																	
*11:31										10					15		17															
*11:35									9	10					15		17															
*11:43				4				8																								
*11:60				4						10					15																	
*11:88				4				8	9																							
*11:94															15							22										
*11:108				4											15																	
*11:119				4											15						21											
*11:121				4																					25							
*11:130	1			4											15								23					28			31	
*23:07N, 24:11N																								24								
*23:13, 24:07, 24:24, 24:108, 24:112, 24:131, 29:03																													29			
*24:08, 24:42																									25							
*24:18, 24:204																							23									
*24:19								8	9																							
*24:28								8				12																				
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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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**
*24:51				4																	21	22										
*24:89								8				12													25							
*24:92				4						10											21	22										
*24:104																																

*24:213																							23									
*25:03, 32:15											11															26						
*26:03:01-26:03:02, 26:06, 26:21, 26:30, 26:78, 68:05, 68:15, 68:20												12																				
*26:07:01-26:07:02																									25							
*29:01:01:01-29:02:13, 29:04-29:18, 29:21-29:29, 29:31-29:33, 29:35-29:38, 29:40-29:45, 32:17, 68:36, 68:46, 68:57, 68:84																													29			
*29:19, 33:24, 74:06								8				12																				
*29:39, 68:29								8																					29			
*30:01:01-30:01:07, 30:11:01-30:11:02, 30:14L-30:16, 30:18-30:20, 30:23-30:24, 30:26, 30:35-30:43, 30:48-30:49, 30:53-30:54, 30:56, 30:58-30:60, 30:62, 30:65								8	9								17												29			
*30:02:01-30:03, 30:07, 30:10, 30:12, 30:22, 30:27N, 30:32-30:33, 30:50-30:51, 30:57, 30:64, 30:66-30:70N									9								17															
*30:04:01-30:04:02, 30:06, 30:29									9	10								18														
*30:08									9						15		17												29			
*30:09									9	10							17															
*30:13, 30:31, 30:44								8	9								17															
*30:17								8	9	10								18											29			
*30:25									9								17												29			
*30:30								8	9								17												29			
*30:34						6			9								17															
*30:45																	17															
*30:46								8	9	10								18														
*30:52, 30:63, 68:45								8	9																				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.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60	130	250	95	470	155	190	95	495	100	130	200	150
PCR product(s)										205				235				210		175	155		185				145			155	230	220
																					195		210				240			210		270
																							240									
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**
*30:61									9								17				21											
*31:03-31:04								8	9	10							17															
*31:21, 74:07								8																								
*32:03, 32:08											w																					
*32:04	1		3								11						17															
*32:05											11																					
*32:37											11															26						
*32:52											11												23								31	

*33:49								**8**	**9**	**10**							**17**															
*34:02:01, 34:02:03-34:04, 34:07, 34:10N			**3**						**9**						**15**		**17**															
*34:02:02									**9**						**15**		**17**															
*34:08		**2**	**3**					**8**	**9**								**17**									**26**						
*34:09			**3**						**9**						**15**		**17**												**29**			
*36:01, 36:05									**9**		**11**																					
*36:02	**1**										**11**							**18**					**23**					**28**			**31**	
*66:17															**15**																	
*68:26, 68:65															**15**														**29**			
*68:71		**2**						**8**																		**26**			**29**			
*74:04								**8**			**11**														**25**							
*80:01:01:01-80:01:01:02											**w**						**17**					**22**										
*80:02								**8**			**11**						**17**					**22**										
*C*07:35, C*08:48*																																
*C*07:86*																																
HLA-A 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**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**

INTERPRETATION TABLE

HLA-A*03 SSP subtyping

Amplification patterns of the A*03:01 to A*03:161N alleles

Well[18]																																
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	
180	125	235	120	95	165	200	240	185	190	150	165	150	110	240	70	195	130	215	85	225	240	175	215	180	215	240	390	170	190	175	225	Length of spec.
210	160	275	160	120	195	235		275	220	260	195	270	190		110	545		285		260				275						200		PCR product(s)
285			210	225	250						240				145																	
1070	1070	1070	1070	1070	800	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	800	1070	800	1070	1070	1070	1070	1070	1070	1070	800	1070	Length of int. pos. control[1]
98	98	98	98	98	363	98	801	98	376	98	363	98	410	98	457	127	466	363	98	363	98	643	98	766	363	98	652	363	853	363	385	5'-primer(s)[2]
5'-CTT 3'	5'-CTT 3'	5'-CTT 3'	5'-CTT 3'	5'-CTT 3'	5'-ATA 3'	5'-CTT 3'	5'-AAC 3'	5'-CTT 3'	5'-gCT 3'	5'-CTT 3'	5'-ATA 3'	5'-CTT 3'	5'-gTg 3'	5'-CTT 3'	5'-AgC 3'	5'-ggT 3'	5'-gCC 3'	5'-ATA 3'	5'-CTT 3'	5'-ATA 3'	5'-CTT 3'	5'-CCg 3'	5'-CTT 3'	5'-TgA 3'	5'-ATA 3'	5'-CTT 3'	5'-C.A 3'	5'-ATA 3'	5'-ATA 3'	5'-ATA 3'	5'-ggT 3'	
	418					650		363	406	890		418	484		488	3rd I								864								
	5'-AgT 3'					5'-CCC 3'		5'-ATA 3'	5'-gCC 3'	5'-gAA 3'		5'-AgC 3'	5'-ACT 3'		5'-ggT 3'	5'-ATA 3'								5'-gAT 3'								
													488		530																	
													5'-ggT 3'		5'-ggT 3'																	
239	181	290	175	152	487	259	899	331	555	316	486	327	559	299	559	282	555	538	143	545	296	777	270	899	527	298	899	490	899	497	570	3'-primer(s)[3]
5'-gCT 3'	5'-gTT 3'	5'-CAA 3'	5'-CCC 3'	5'-Cgg 3'	5'-Cgg 3'	5'-CTC 3'	5'-ACA 3'	5'-CTA 3'	5'-CCA 3'	5'-gCT 3'	5'-gCg 3'	5'-TTT 3'	5'-CgT 3'	5'-TCg 3'	5'-CgT 3'	5'-gAC 3'	5'-CCA 3'	5'-CCA 3'	5'-CgT 3'	5'-AgA 3'	5'-CTA 3'	5'-gCA 3'	5'-ACC 3'	5'-ACA 3'	5'-CCg 3'	5'-CAg 3'	5'-ACA 3'	5'-AgT 3'	5'-ACA 3'	5'-Tgg 3'	5'-CCg 3'	
265	539	330	217	175	518	845		506		899	518	527				704		605		583					545					524		
5'-CCC 3'	5'-TCT 3'	5'-TgT 3'	5'-CgA 3'	5'-CCC 3'	5'-CCA 3'	5'-AgT 3'		5'-Tgg 3'		5'-ACA 3'	5'-CCA 3'	5'-CCT 3'				5'-CCA 3'		5'-gCA 3'		5'-gTg 3'					5'-AgA 3'					5'-CAC 3'		
343			265	281	574						561																					
5'-T 3'			5'-CCA 3'	5'-ACg 3'	5'-gAA 3'						5'-CAg 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]

180	125	235	120	95	165	200	240	185	190	150	165	150	110	240	70	195	130	215	85	225	240	175	215	180	215	240	390	170	190	175	225	**Length of spec.**
210	160	275	160	120	195	235		275	220	260	195	270	190		110	545		285		260				275						200		**PCR product(s)**
285			210	225	250						240				145																	
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]
																																***03:01:01:01,** 03:01:01:03, **03:01:03-03:01:05,** 03:01:07, 03:01:09-**03:01:11,** 03:01:13, **03:01:15-**03:01:22, 03:01:24-03:01:29, 03:01:31-03:01:38, 03:26, 03:77, 03:80, 03:83-03:85, 03:92, 03:94, 03:100-03:101, 03:110, 03:114-03:117, 03:119-03:121, 03:124-03:126, 03:131, 03:136-03:139, 03:141, 03:144-03:148, 03:151, 03:154-03:159[19]
																																***03:01:01:02N**
																																*03:01:02, **03:01:06**, 03:01:14, 03:140
																																*03:01:08, 03:109
																																***03:01:12,** 03:01:23
																																*03:01:30, 03:98, 03:105
																																***03:02:01-**03:02:03, 03:82, 03:90, 03:106, 03:160
																																*03:03N
																																*03:04:01-03:04:03
																																***03:05:01**
																																*03:05:02, 30:55[5]
																																*03:06
																																***03:07**
																																***03:08**
																																***03:09**
																																*03:10
																																*03:11N
																																*03:12
																																*03:13
																																*03:14
																																*03:15
																																***03:16,** 03:61[7]
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.**
180	125	235	120	95	165	200	240	185	190	150	165	150	110	240	70	195	130	215	85	225	240	175	215	180	215	240	390	170	190	175	225	**Length of spec.**
210	160	275	160	120	195	235		275	220	260	195	270	190		110	545		285		260				275						200		**PCR product(s)**
285			210	225	250						240				145																	

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.
																																*03:17:01-03:17:02, **03:74**[8]
																															64	*03:18, 03:135
																																*03:19
										43																						*03:20, **03:47**[9]
																																*03:21N
																																***03:22:01-03:22:02,** 03:103[10]
																																*03:23:01-03:23:02
																																*03:24
																																*03:25, 03:71[11]
																																***03:27, 03:49**[12]
																																***03:28**
																																*03:29
33																																*03:30
	34																															*03:31
		35																														*03:32
			36																													***03:33,** 03:70[13]
				37																												***03:34**
					38																											*03:35
						39																										*03:36N
							40																									*03:37
								41																								***03:38, 03:68N**[14]
									42																							*03:39
											44																					*03:40
														47																		*03:41
																														63		*03:42
												45																				*03:43
													46																			*03:44, **03:53**[15]
						39																										*03:45
															48																	*03:46
				37																												***03:48**
																		51														***03:50**
											44																					***03:51**
													46		**48**																	*03:52
															48																	*03:54
		35																														*03:55
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285			210	225	250						240				145																	
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285			210	225	250						240				145																	
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