



Length of spec.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60
PCR product										205				235				210		175
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HLA-A allele																				
*03:01:01:01, 03:01:01:03-03:01:07, 03:01:09-03:01:11, 03:01:13, 03:01:15-03:01:17	1	2	3					8									17			
*03:01:01:02N	1	2	3					8					13				17			
*03:01:08	1	2	3														17			
*03:01:12	1	w	3					8									17			
*03:01:14	1	2						8									17			
*03:02	1	2		4				8		10										
*03:03N	1	2	3		5			8									17			
*03:04	1	2	3			6		8									17			
*03:05		2	3					8	9								17			
*03:06	1	2	3				7	8									17			
*03:07	1	2						8		10							17			
*03:08	1		3					8			11						17			
*03:09	1	2	3					8				12					17			
*03:10		2		4				8	9	10										
*03:11N	1	2	3					8					14				17			
*03:12	1		3											15			17			
*03:13	1	2	3					8									17	18		
*03:14	1	2	3					8								16	17			
*03:15	1	2	3					8									17		19	
*03:16, 03:61 <sup>4</sup>	1	2	3					8									17			20
*03:17, 03:74 <sup>5</sup>	1	2	3					8									17			
*03:18		2						8												
*03:19	1	2	3					8									17		19	
*03:20, 03:47 <sup>6</sup>	1	2	3					8									17			
*03:21N	1	2	3					8									17			
*03:22	1	2	3					8									17			
*03:23	1	2	3					8									17			
*03:24	1	2	3					8									17			
*03:25, 03:71 <sup>7</sup>	1	2	3					8									17			
*03:26	1	2	3					8									17			
*03:27, 03:49 <sup>8</sup>	1	2	3					8									17			
*03:28	1	2	3					8									17			
*03:29	1	2	3					8									17			
*03:30	1	2	3					8									17			
*03:31	1	2		4				8		10										
*03:32	1			4				8		10	11									
*03:33, 03:70 <sup>9</sup>	1	2	3					8									17			





<p>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,  02:185-02:199, 24:44,  31:01:02-31:01:05, 31:01:07-  31:02, 31:05-31:06, 31:09,  31:11-31:18, 31:20, 31:22-  31:31, 33:01:01-33:01:03,  33:03:01-33:07, 33:09-33:12,  33:14-33:16, 33:18-33:23,  33:25-33:29, 74:05</p>								8												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Length of spec.	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60
PCR product										205				235				210		175
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
*02:01:09, 02:50, 24:89								8				12								
*02:06:07, 02:122												12								
*02:34-02:35:02, 02:56:01-02:56:02, 02:62, 02:103		w						8												
*02:35:03		w						8												
*02:48, 02:90, 74:01-74:03, 74:08-74:09, 74:11-74:12N, 74:14N								8			11									
*02:55								8												
*02:78, 66:02, 66:12, 68:01:01-68:02:04, 68:06-68:14, 68:16-68:19, 68:21-68:28, 68:30, 68:32-68:35, 68:37-68:39, 68:41-68:44, 68:47-68:49N, 69:01															15					
*02:81, 02:124, 02:146, 32:01:01-32:02, 32:06, 32:09-32:14, 32:16, 32:18-32:22											11									
*02:156								8	9	10							17			
*02:164								8												
*11:01:01-11:02:01, 11:02:03-11:03, 11:05, 11:07, 11:09-11:11, 11:13-11:16, 11:20, 11:22, 11:29-11:30, 11:32-11:34, 11:36-11:37, 11:41-11:42, 11:46, 11:48-11:49, 11:51-11:59				4											15					
*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					
*11:17, 11:19, 11:40, 11:45, 11:47				4																
*11:18				4								12								
*11:21N				4											15					
*11:23, 11:26, 11:50Q, 34:01:01-34:01:02, 34:05-34:06, 66:01, 66:04, 66:06-66:10, 66:13, 68:40															15					
*11:24:01-11:24:02															15		17			



<b>*33:08</b>								8												
<b>*34:02-34:04, 34:07</b>			3						9						15			17		
<b>*34:08</b>		2	3					8	9									17		
<b>*36:01, 36:05</b>									9		11									
<b>*36:02</b>	1										11								18	
<b>Well No.</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>Length of spec.</b>	235	225	205	215	185	275	225	240	230	65	225	190	145	105	225	275	215	135	230	60
<b>PCR product</b>										205				235				210		175
<b>Well No.</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>*68:29</b>								8												
<b>*68:45</b>								8	9											
<b>*74:04</b>								8			11									
<b>*74:13</b>		2						8												
<b>*80:01</b>											w								17	
<b>*80:02</b>								8			11								17	
<b>C*07:35</b>																				
<b>C*07:86</b>																				
<b>HLA-A allele</b>																				
<b>Well No.</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20





130	250	95	470	155	200	95	170	100	130	220	150	210	125	235	160	95	165	200	240	185	220	150	165	150	115	240	70
195		185				145	495		210		220	285	160	275	210	225	250	235		275		260	240		190		110
		210																									145
		240																									
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
								29																			
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												37															
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
130	250	95	470	155	200	95	170	100	130	220	150	210	125	235	160	95	165	200	240	185	220	150	165	150	115	240	70
195		185				145	495		210		220	285	160	275	210	225	250	235		275		260	240			190	110
		210																									145
		240																									
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
								29									38										
																		39									
								29											40								
								29													41						
								29													42						
							28	29														44				47	
								29																			
								29																45			
								29																	46		
								29										39									48
								29									37										
								29														44					48
								29																46			48
								29						35													48
		23						29		31																	47
								29						34													
								29							33												
							28																				
								29																			
								29			32																
								29																			
								29										38									
		23						29																			
								29														43					













les
Length of spec.
PCR product
Length of int.
pos. control <sup>1</sup>
5'-primer(s) <sup>2</sup>
3'-primer(s) <sup>3</sup>
Well No.
HLA-A allele

Length of spec. PCR product
Well No. HLA-A allele
*03:01:01:01, 03:01:01:03-03:01:07, 03:01:09-03:01:11, 03:01:13, 03:01:15-03:01:17
*03:01:01:02N
*03:01:08
*03:01:12
*03:01:14
*03:02
*03:03N
*03:04
*03:05
*03:06
*03:07
*03:08
*03:09
*03:10
*03:11N
*03:12
*03:13
*03:14
*03:15
*03:16, 03:61 <sup>4</sup>
*03:17, 03:74 <sup>5</sup>
*03:18
*03:19
*03:20, 03:47 <sup>6</sup>
*03:21N
*03:22
*03:23
*03:24
*03:25, 03:71 <sup>7</sup>
*03:26
*03:27, 03:49 <sup>8</sup>
*03:28
*03:29
*03:30
*03:31
*03:32
*03:33, 03:70 <sup>9</sup>

*03:34
Well No.
Length of spec.
PCR product
Well No.
*03:35
*03:36N
*03:37
*03:38, 03:68N <sup>10</sup>
*03:39
*03:40
*03:41
*03:42
*03:43
*03:44, 03:53 <sup>11</sup>
*03:45
*03:46
*03:48
*03:50
*03:51
*03:52
*03:54
*03:55
*03:56
*03:57
*03:58
*03:59
*03:60
*03:62
*03:63
*03:64
*03:65
*03:66
*03:67
*03:69N
*03:72
*03:73
*03:75
*03:76

<b>*01:01:01:01-01:01:03, 01:01:05-01:01:12, 01:01:14, 01:08-01:11N, 01:14-01:16N, 01:18N, 01:22N-01:23, 01:26- 01:27N, 01:29-01:42, 01:44- 01:50, 01:52N-01:55</b>
<b>Well No.</b>
<b>Length of spec. PCR product</b>
<b>Well No.</b>
<b>*01:01:04, 01:01:13, 01:24</b>
<b>*01:02, 01:07, 01:43</b>
<b>*01:03, 36:03-36:04, 74:10</b>
<b>*01:04N</b>
<b>*01:06</b>
<b>*01:12, 01:19</b>
<b>*01:13</b>
<b>*01:17</b>
<b>*01:21</b>
<b>*01:25</b>
<b>*01:28</b>
<b>*01:51</b>
<b>*02:01:01:01-02:01:08, 02:01:10-02:01:15, 02:01:17- 02:01:19, 02:01:21-02:04, 02:07, 02:09, 02:11-02:13, 02:15N-02:20:02, 02:22:01- 02:22:02, 02:24-02:27, 02:29- 02:33, 02:36-02:40, 02:42- 02:43N, 02:45-02:47, 02:49, 02:52-02:53N, 02:58-02:60, 02:63-02:71, 02:73-02:77, 02:80, 02:82N-02:83N, 02:85- 02:86, 02:88N-02:89, 02:92- 02:97:02, 02:101-02:102, 02:104-02:105, 02:107, 02:109 02:111,</b>

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,  
02:185-02:199, 24:44,  
31:01:02-31:01:05, 31:01:07-  
31:02, 31:05-31:06, 31:09,  
31:11-31:18, 31:20, 31:22-  
31:31, 33:01:01-33:01:03,  
33:03:01-33:07, 33:09-33:12,  
33:14-33:16, 33:18-33:23,  
33:25-33:29, 74:05

Well No.

Length of spec.
PCR product
Well No.
*02:01:09, 02:50, 24:89
*02:06:07, 02:122
*02:34-02:35:02, 02:56:01-02:56:02, 02:62, 02:103
*02:35:03
*02:48, 02:90, 74:01-74:03, 74:08-74:09, 74:11-74:12N, 74:14N
*02:55
*02:78, 66:02, 66:12, 68:01:01-68:02:04, 68:06-68:14, 68:16-68:19, 68:21-68:28, 68:30, 68:32-68:35, 68:37-68:39, 68:41-68:44, 68:47-68:49N, 69:01
*02:81, 02:124, 02:146, 32:01:01-32:02, 32:06, 32:09-32:14, 32:16, 32:18-32:22
*02:156
*02:164
*11:01:01-11:02:01, 11:02:03-11:03, 11:05, 11:07, 11:09-11:11, 11:13-11:16, 11:20, 11:22, 11:29-11:30, 11:32-11:34, 11:36-11:37, 11:41-11:42, 11:46, 11:48-11:49, 11:51-11:59
*11:02:02
*11:04
*11:06
*11:08, 11:44
*11:12
*11:17, 11:19, 11:40, 11:45, 11:47
*11:18
*11:21N
*11:23, 11:26, 11:50Q, 34:01:01-34:01:02, 34:05-34:06, 66:01, 66:04, 66:06-66:10, 66:13, 68:40
*11:24:01-11:24:02

*11:25
*11:27, 11:38-11:39
Well No.
Length of spec.
PCR product
Well No.
*11:31
*11:35
*11:43
*23:07N, 24:11N
*23:13, 24:07, 24:24, 29:01:01:01-29:18, 29:21- 29:22, 32:17, 68:36, 68:46
*24:08, 24:42, 26:07:01- 26:07:02
*24:18
*24:19
*24:28, 29:19, 33:24, 74:06
*24:51
*24:92
*25:03, 26:20, 32:15
*26:03:01-26:03:02, 26:06, 26:21, 26:30, 68:05, 68:15, 68:20
*30:01:01-30:01:03, 30:11:01- 30:11:02, 30:14L-30:16, 30:18- 30:20, 30:23-30:24, 30:26, 30:35-30:37
*30:02:01-30:03, 30:07, 30:10, 30:12, 30:22, 30:27N, 30:32- 30:34
*30:04, 30:06, 30:29
*30:08
*30:09
*30:13, 30:31
*30:17
*30:25
*30:30
*31:03-31:04
*31:19
*31:21, 74:07
*32:03, 32:08
*32:04
*32:05

*33:08
*34:02-34:04, 34:07
*34:08
*36:01, 36:05
*36:02
Well No.
Length of spec.
PCR product
Well No.
*68:29
*68:45
*74:04
*74:13
*80:01
*80:02
<i>C*07:35</i>
<i>C*07:86</i>
HLA-A allele
Well No.