INTERPRETATION TABLE

HLA-B*39 SSP subtyping

Amplification patterns of the B*39:01 to 39:60 alleles

	Well[7]															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Length of int. pos. control[1]	800	1070	800	1070	800	800	1070	1070	800	800	1070	800	800	1070	800	800
5'-primer(s)[2]	355	142	142	246	246	142	363	106	357	206	419	412	246	272	97	360
	5'-CCC 3'	5'-TCT 3'	5'-TCT 3'	5'-gAA 3'	5'-gAA 3'	5'-TCT 3'	5'-AgC 3'	5'-CCA 3'	5'-Tgg 3'	5'-gAC 3'	5'-gTT 3'	5'-ATg 3'	5'-gAA 3'	5'-CTA 3'	5'-TCg 3'	5'-CAC 3'
	355		419	419	246		420	420	668	419			503		97	368
	5'-CTC 3'		5'-gTC 3'	5'-gTT 3'	5'-gAA 3'		5'-TTA 3'	5'-TTC 3'	5'-ggC 3'	5'-gTC 3'			5'-CCg 3'		5'-TCC 3'	5'-gTC 3'
								646							141	419
								5'-ACg 3'							5'-ATg 3'	5'-gTA 3'
															419	
															5'-gTT 3'	
3'-primer(s)[3]	544	272	292	272	311	272	544	246	544	272	539	544	299	311	246	544
	5'-ggT 3'	5'-TgC 3'	5'-gTA 3'	5'-TgA 3'	5'-ggT 3'	5'-Tgg 3'	5'-ggT 3'	5'-TAT 3'	5'-ggT 3'	5'-TgC 3'	5'-TCC 3'	5'-ggT 3'	5'-TCA 3'	5'-ggT 3'	5'-TAT 3'	5'-ggT 3'
			292	344				559	839	544	539		344		563	
			5'-gTA 3'	5'-ACg 3'				5'-CTC 3'	5'-ATA 3'	5'-ggT 3'	5'-TCC 3'		5'-ACg 3'		5'-CgA 3'	
			292	524				916			564		544			
			5'-gTA 3'	5'-CAA 3'				5'-gAC 3'			5'-ACT 3'		5'-ggT 3'			
			583								565					
			5'-gTg 3'								5'-CAT 3'					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-B allele[4]																
*39:01:01:01, 39:01:03, 39:01:06-39:01:08, 39:01:10-39:01:11	1	2			5											

*39:01:01:02L, 39:60[5]	1	2			5											
*39:01:04	1	2			5											
*39:01:05	1	2			5											
*39:01:09	1	2														
*39:02:01	1				5	6										
*39:02:02	1					6										
*39:03	1	2			5		7									
*39:04	1	2			5			8								
*39:05:01-39:05:02	1	2	3		5											
*39:06:01-39:06:02		2			5				9							
*39:07	1	2	3		5					10		12				
*39:08	1		3		5	6					11					
*39:09	1	2			5											16
*39:10, 67:01:02[6]	1													14		
*39:11	1	2	3		5						11					
*39:12	1	2			5										15	
*39:13:01-39:13:02	1		3			6										
*39:14	1	2			5		7									16
*39:15	1	2			5							12				
*39:16	1													14		16
*39:17	1						7							14		
*39:18	1	2			5						11					
*39:19:01	1	2								10						
*39:19:02	1	2			5					10						
*39:20	1		3											14		
*39:22	1	2			5											
*39:23	1					6							13			
*39:24	1	2			5		7									
*39:25N	1	2			5											
*39:26	1	2		4	5											
*39:27	1	2			5								13			
*39:28	1	2			5											
*39:29	1	2			5		7					12				16
*39:30		2			5											
*39:31	1	2			5										15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*39:32		2			5											
*39:33		2			5						11					
*39:34		2			5											
*39:35	1	2			5											
*39:36		2			5						11					
*39:37	1	2	3		5		7									

*39:38Q	1	2			5										15	
*39:39	1				5	6										
*39:40N	1	2			5						11					
*39:41	1	2			5											
*39:42		2			5											
*39:43		2	3		5											
*39:44	1	2			5								13			
*39:45	1	2			5											
*39:46	1	2			5			8								
*39:47		2			5			8								
*39:48	1	2			5											
*39:49	1		3			6						12				
*39:50		2			5			8								
*39:51	1	2		4	5								13			
*39:52	1				5											
*39:53	1	2			5						11					
*39:54	1				5										15	
*39:55	1	2	3		5							12				
*39:56	1	2	3		5											
*39:57		2			5				9		11					
*39:58	1			4	5											
*39:59	1	2			5				9							
*07:02:01-07:07, 07:09, 07:11-07:12, 07:14-07:15, 07:17-07:26, 07:28-07:31, 07:33-07:35, 07:39-07:47, 07:49N, 07:51-07:53, 07:55-07:64, 07:66-07:68:02, 07:70-07:74, 07:76-07:77, 07:79-07:80, 07:82, 07:86-07:90, 07:92-07:115, 42:01:01-42:02, 42:05:01-42:10, 42:12-42:14														14		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*07:08, 07:10, 07:32, 07:36, 07:81, 07:83, 08:01:01-08:02, 08:05, 08:07-08:08N, 08:11-08:12:03, 08:14-08:16, 08:18-08:22, 08:24, 08:26-08:37, 08:39-08:53, 08:56-08:62																
*07:16, 07:37, 07:75, 07:91			3											14		
*07:27, 07:50			3			6										
*07:38, 08:03, 08:23			3													
*07:48, 81:02														14		

*07:54, 07:65, 15:11:01-15:11:05, 15:76, 15:101, 15:143, 15:148, 15:152, 44:90, 45:06, 54:06, 55:14, 56:03, 56:05:01-56:06, 83:01														14		
*07:69, 07:85		2														
*07:78											11			14		
*07:84, 42:04														14		
*08:04						6										
*08:09, 73:01-73:02																
*08:13, 08:25																
*08:17, 15:61						6										
*08:38																
*08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:62, 15:68, 15:98, 15:103, 15:127, 15:131-15:132, 15:156, 15:158, 15:173, 37:01:01-37:01:07, 37:03N-37:07, 37:09-37:20, 37:23, 42:11, 48:05, 48:08, 48:15, 48:19, 52:16			3			6										
*08:55	1						7									16
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

***13:01:01-13:01:05, 13:04, 13:06-13:07N, 13:10-13:13, 13:17, 13:21-13:23, 13:25-13:26, 13:28-13:29, 13:36, 13:39, 15:05:01-15:05:02, 15:20, 15:31, 15:55, 15:86, 15:107, 15:155, 15:188, 27:01-27:03, 27:05:02-27:05:14, 27:07-27:09, 27:11-27:13, 27:16-27:17, 27:19, 27:23, 27:26-27:39, 27:41-27:44, 27:46, 27:48-27:53, 27:55-27:62, 27:64N-27:65N, 27:67, 35:01:01:01-35:02:04, 35:04:01-35:05:02, 35:07, 35:09:01-35:10, 35:12:01-35:12:02, 35:15-35:17, 35:19-35:20:02, 35:22-35:23, 35:27-35:34, 35:37, 35:39-35:42:02, 35:46-35:54, 35:57, 35:63-35:65Q, 35:68:01-35:69, 35:71-35:72, 35:77-35:78, 35:81, 35:83, 35:88-35:95, 35:97, 35:101:01-35:101:02, 35:103-35:104, 35:107-35:108:02, 35:110-35:114, 35:116, 35:119-35:123, 35:126, 35:129N-35:134N, 35:137-35:140, 35:143-35:145N, 40:01:01-40:01:11, 40:02:01-40:04, 40:07-40:11:02, 40:13-40:14:03**																

40:42-40:43, 40:45-40:50, 40:52, 40:54-40:60, 40:62-40:67, 40:69, 40:72:01-40:74, 40:76, 40:78-40:82, 40:84-40:85, 40:87-40:92, 40:94, 40:97, 40:99-40:102, 40:104-40:105, 40:107-40:108, 40:111-40:115, 40:117-40:126, 40:129-40:130, 40:132-40:135, 40:137-40:147, 44:03:01-44:03:11, 44:07, 44:13, 44:26, 44:30-44:32, 44:36-44:40, 44:43, 44:45-44:47, 44:50, 44:54, 44:57, 44:60-44:61N, 44:64:01-44:65, 44:69, 44:77, 44:81-44:82, 44:85, 44:92, 44:94, 44:96, 44:98, 44:103, 44:105, 44:107-44:110, 46:06, 46:13:01-46:13:03, 46:21, 47:01:01:01-47:07, 48:02:02, 51:09:01-51:09:02, 51:40, 51:42, 51:73, 51:81, 51:91, 52:03, 52:10, 53:01:01-53:01:05, 53:03, 53:05, 53:07, 53:09-53:10, 53:12-53:15, 53:17-53:21, 53:23, 57:01:01-57:01:08, 57:03:01-57:03:02, 57:06-57:08, 57:10-57:11, 57:15-57:18, 57:20-57:21, 57:23, 57:25-57:26, 57:29, 57:31-57:32, 58:01:01-58:02, 58:04, 58:07, 58:10N-58:11, 58:13-58:18, 58:21, 58:23-58:30, 78:04, 81:05																
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
*13:02:01-13:02:09, 13:08Q-13:09, 13:14, 13:19, 13:27, 13:30, 13:32-13:35, 13:37-13:38, 27:14, 35:60, 40:06:01:01-40:06:03, 40:44, 40:53, 40:70, 40:75, 40:83, 40:93, 40:96, 40:103, 40:109-40:110, 40:127, 40:131, 46:18, 51:10, 51:31, 51:93, 54:12, 55:18, 55:34, 59:01-59:03, 59:05																
*13:03, 35:03:01-35:03:04, 35:06, 35:13, 35:36, 35:55-35:56, 35:59, 35:70, 35:74-35:75, 35:84, 35:98, 35:106, 35:127-35:128, 35:136, 40:71, 44:10, 46:11, 51:15, 53:04, 56:07-56:08, 56:14, 59:04																

*13:15																
*13:16, 15:42, 15:83, 40:95, 41:01, 41:05-41:07, 41:09, 41:12, 45:08, 45:10, 49:07, 51:16, 51:21, 51:34, 51:36, 51:82, 52:08, 78:07																
*13:18, 13:31											11					
*14:01, 14:07N, 14:12		2			5											
*14:02:01-14:02:02, 14:02:04, 14:03, 14:09, 14:11, 14:15-14:17		2			5											
*14:02:03		2														
*14:02:05		2														
*14:04		2			5											
*14:05-14:06:02, 14:13		2			5											
*14:08, 14:10		2			5											
*14:14		2	3		5											
*14:18		2	3		5											
*15:09-15:10:02, 15:18:01-15:18:04, 15:23, 15:37, 15:51, 15:72, 15:80, 15:90, 15:93, 15:99, 15:108, 15:115, 15:119, 15:134, 15:153, 15:161, 15:176, 15:197-15:198, 15:200		2	3													
*15:29, 15:38:01-15:38:02, 35:21, 35:142, 51:37, 51:45, 51:63, 53:06			3													
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*15:49, 15:74, 37:21			3													
*15:52, 15:114, 15:124		2	3													
*15:58, 15:73											11					
*15:64, 18:13, 18:15, 18:19, 18:21, 18:30, 37:08			3			6										
*15:69	1		3			6				10		12				
*15:91, 15:123, 15:151, 18:12, 37:02, 40:12, 48:01:01-48:02:01, 48:03:01-48:04, 48:09-48:14, 48:17-48:18, 48:20-48:23			3			6										
*15:133		2	3													
*15:185, 18:04, 18:07:01-18:07:02, 18:29, 35:24:01-35:25, 35:124-35:125, 53:02, 57:14, 58:09, 58:12			3													
*15:186	1	2	3							10		12				
*15:189					5			8								

*18:01:01-18:03, 18:05-18:06, 18:08-18:11, 18:14, 18:17N-18:18, 18:20, 18:22-18:28, 18:31-18:32, 18:34-18:43, 18:45-18:50, 48:16			3			6										
*18:33		2	3							10						
*18:44			3			6										
*35:26					5			8								
*35:35										10		12				
*35:38, *C*15:15*																
*35:76, 40:61, 54:09, 55:04, 55:08, 56:09-56:10, 56:12, 56:15, 56:18, 81:01, 81:03-81:04N														14		
*35:82										10						
*35:85										10						
*35:96, 51:19																
*35:109																
*35:135, 51:22, 78:03										10						
*38:01:01-38:01:02, 38:01:04-38:02:02, 38:09, 38:11-38:12, 38:17-38:18, 38:21	1	2	3													
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*38:01:03	1	2	3													
*38:03	1					6										
*38:04	1	2	3													
*38:05	1	2	3													
*38:06	1		3													
*38:07	1		3													
*38:08		2	3													
*38:10, 38:23		2	3													
*38:13	1	2														
*38:14	1	2														
*38:15		2	3													
*38:16	1															
*38:19	1	2	3				7									
*38:20		2	3													
*38:22	1	2	3													
*40:25, 40:68, 40:106																
*40:36, 40:77								8								
*40:86								8								
*48:06			3													
*48:07			3			6		8								

*51:13:01-51:13:02, 51:62, 51:92, 52:14																
*54:01-54:02, 54:04-54:05N, 54:07-54:08N, 54:11, 54:13-54:19, 54:21-54:23, 55:02:01-55:02:06, 55:07, 55:10, 55:12-55:13, 55:16, 55:19, 55:22-55:23, 55:26-55:27, 55:30, 55:32, 55:35, 55:39, 55:41-55:43, 56:23														14		
*54:03, 56:01:01-56:02, 56:04, 56:11, 56:16-56:17, 56:20, 56:22, 56:24, 56:26-56:29														14		
*54:10, 54:20, 55:09, 55:21, 55:37											11			14		
*55:01:01-55:01:06, 55:03, 55:05, 55:11, 55:15, 55:17, 55:20, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40														14		
*56:13, 56:25, 82:01-82:03														14		
*56:19N											11			14		
*58:20, 67:02	1															
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	65	105	170	165	180	220	105	170	175	85	80	145	165
PCR product(s)				145			220	405		165			385		190	220
				385												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*67:01:01	1				5									14		
*C*01:30*																
*C*06:40*	1															
*C*07:137*	1															16
*C*15:31*																
HLA-B allele[4]																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE

HLA-B*39 SSP subtyping

Amplification patterns of the B*39:01 to 39:60 alleles

Well[7]																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
800	800	1070	800	800	800	800	1070	1070	800	800	1070	800	800	800	800	Length of int. pos. control[1]
407	142	44	246	363	142	246	103	-149	361	419	419	357	142	544	112	5'-primer(s)[2]
5'-gg 3'	5'-TCT 3'	5'-ggC 3'	5'-gAA 3'	5'-Agg 3'	5'-TCT 3'	5'-gAA 3'	5'-CCT 3'	5'-ggg 3'	5'-AgT 3'	5'-gTT 3'	5'-gTT 3'	5'-Tgg 3'	5'-TCT 3'	5'-gAg 3'	5'-CCT 3'	
			368		362			419		544			527		355	
			5'-gTC 3'		5'-gAC 3'			5'-gTT 3'		5'-gAA 3'			5'-TgA 3'		5'-TCA 3'	
			486												365	
			5'-ACg 3'												5'-CAC 3'	
544	259	259	299	544	250	292	246	44	583	563	518	559	280	3rd I	311	3'-primer(s)[3]
5'-ggT 3'	5'-CTC 3'	5'-gTT 3'	5'-TCA 3'	5'-ggT 3'	5'-CCg 3'	5'-gTC 3'	5'-TAT 3'	5'-CCg 3'	5'-gTg 3'	5'-CgA 3'	5'-CCC 3'	5'-CgT 3'	5'-gTC 3'	5'-TAT 3'	5'-ggT 3'	
		259	544		544		246	527		583	559	559	544		544	
		5'-gTT 3'	5'-ggT 3'		5'-ggT 3'		5'-TAT 3'	5'-CCg 3'		5'-gTg 3'	5'-CAg 3'	5'-CTC 3'	5'-ggT 3'		5'-ggT 3'	
											564					
											5'-ACT 3'					
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-B allele[4]
		19		21		23	24									*39:01:01:01, 39:01:03, 39:01:06-39:01:08, 39:01:10-39:01:11

		19		21		23	24	25								*39:01:01:02L, 39:60[5]
		19		21			24									*39:01:04
		19	20	21		23	24									*39:01:05
		19		21												*39:01:09
	18			21		23	24									*39:02:01
	18			21												*39:02:02
		19				23	24								w	*39:03
		19		21		23										*39:04
		19		21			24									*39:05:01-39:05:02
		19				23	24					29				*39:06:01-39:06:02
		19		21			24									*39:07
	18			21			24									*39:08
		19	20	21		23	24									*39:09
		19		21												*39:10, 67:01:02[6]
		19		21			24									*39:11
		19		21		23										*39:12
	18			21												*39:13:01-39:13:02
		19				23	24								w	*39:14
		19		21		23	24									*39:15
		19														*39:16
		19		21												*39:17
		19	20	21		23	24						30			*39:18
		19		21												*39:19:01
		19		21		23	24									*39:19:02
		19		21												*39:20
	18			21		23	24									*39:22
	18			21												*39:23
		19				23	24								32	*39:24
17		19		21		23	24									*39:25N
		19		21		23	24									*39:26
		19	20	21		23	24									*39:27
		19			22	23	24									*39:28
		19				23	24								w	*39:29
		19				23	24							31		*39:30
		19		21		23	w									*39:31
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19				23	24			27	28					*39:32
		19				23	24				28					*39:33
		19				23	24					29		31		*39:34
		19		21		23	24						30			*39:35
		19				23	24									*39:36
		19					24								w	*39:37

		19		21		23	24			27						*39:38Q
		19		21		23	24									*39:39
		19		21		23	24				28					*39:40N
		19		21		23	24								32	*39:41
		19		w		23	24								32	*39:42
		19				23	24							31		*39:43
		19		21		23	24									*39:44
		19		21	22	23										*39:45
		19		21		23	24									*39:46
		19				23	24									*39:47
		19		21		23	24			27						*39:48
	18			21												*39:49
		19				23	24					29				*39:50
		19		21		23	24									*39:51
		19		21		23	24						30			*39:52
		19		21		23	24									*39:53
		19		21		23	24									*39:54
		19		21			24									*39:55
		19		21			24				28					*39:56
		19				23	24					29				*39:57
		19		21		23	24									*39:58
		19		21		23	24									*39:59
		19														*07:02:01-07:07, 07:09, 07:11-07:12, 07:14-07:15, 07:17-07:26, 07:28-07:31, 07:33-07:35, 07:39-07:47, 07:49N, 07:51-07:53, 07:55-07:64, 07:66-07:68:02, 07:70-07:74, 07:76-07:77, 07:79-07:80, 07:82, 07:86-07:90, 07:92-07:115, 42:01:01-42:02, 42:05:01-42:10, 42:12-42:14
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19														*07:08, 07:10, 07:32, 07:36, 07:81, 07:83, 08:01:01-08:02, 08:05, 08:07-08:08N, 08:11-08:12:03, 08:14-08:16, 08:18-08:22, 08:24, 08:26-08:37, 08:39-08:53, 08:56-08:62
		19														*07:16, 07:37, 07:75, 07:91
		19														*07:27, 07:50
		19														*07:38, 08:03, 08:23
		19												31		*07:48, 81:02

																*07:54, 07:65, 15:11:01-15:11:05, 15:76, 15:101, 15:143, 15:148, 15:152, 44:90, 45:06, 54:06, 55:14, 56:03, 56:05:01-56:06, 83:01
		19														*07:69, 07:85
		19										29				*07:78
		19										29				*07:84, 42:04
		19														*08:04
		19										29				*08:09, 73:01-73:02
		19												31		*08:13, 08:25
	18															*08:17, 15:61
	18															*08:38
	18															*08:54, 15:03:01-15:03:03, 15:47, 15:54, 15:62, 15:68, 15:98, 15:103, 15:127, 15:131-15:132, 15:156, 15:158, 15:173, 37:01:01-37:01:07, 37:03N-37:07, 37:09-37:20, 37:23, 42:11, 48:05, 48:08, 48:15, 48:19, 52:16
		19													w	*08:55
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

															31	*13:01:01-13:01:05, 13:04, 13:06-13:07N, 13:10-13:13, 13:17, 13:21-13:23, 13:25-13:26, 13:28-13:29, 13:36, 13:39, 15:05:01-15:05:02, 15:20, 15:31, 15:55, 15:86, 15:107, 15:155, 15:188, 27:01-27:03, 27:05:02-27:05:14, 27:07-27:09, 27:11-27:13, 27:16-27:17, 27:19, 27:23, 27:26-27:39, 27:41-27:44, 27:46, 27:48-27:53, 27:55-27:62, 27:64N-27:65N, 27:67, 35:01:01:01-35:02:04, 35:04:01-35:05:02, 35:07, 35:09:01-35:10, 35:12:01-35:12:02, 35:15-35:17, 35:19-35:20:02, 35:22-35:23, 35:27-35:34, 35:37, 35:39-35:42:02, 35:46-35:54, 35:57, 35:63-35:65Q, 35:68:01-35:69, 35:71-35:72, 35:77-35:78, 35:81, 35:83, 35:88-35:95, 35:97, 35:101:01-35:101:02, 35:103-35:104, 35:107-35:108:02, 35:110-35:114, 35:116, 35:119-35:123, 35:126, 35:129N-35:134N, 35:137-35:140, 35:143-35:145N, 40:01:01-40:01:11, 40:02:01-40:04, 40:07-40:11:02, 40:13-40:14:03

														31		40:42-40:43, 40:45-40:50, 40:52, 40:54-40:60, 40:62-40:67, 40:69, 40:72:01-40:74, 40:76, 40:78-40:82, 40:84-40:85, 40:87-40:92, 40:94, 40:97, 40:99-40:102, 40:104-40:105, 40:107-40:108, 40:111-40:115, 40:117-40:126, 40:129-40:130, 40:132-40:135, 40:137-40:147, 44:03:01-44:03:11, 44:07, 44:13, 44:26, 44:30-44:32, 44:36-44:40, 44:43, 44:45-44:47, 44:50, 44:54, 44:57, 44:60-44:61N, 44:64:01-44:65, 44:69, 44:77, 44:81-44:82, 44:85, 44:92, 44:94, 44:96, 44:98, 44:103, 44:105, 44:107-44:110, 46:06, 46:13:01-46:13:03, 46:21, 47:01:01:01-47:07, 48:02:02, 51:09:01-51:09:02, 51:40, 51:42, 51:73, 51:81, 51:91, 52:03, 52:10, 53:01:01-53:01:05, 53:03, 53:05, 53:07, 53:09-53:10, 53:12-53:15, 53:17-53:21, 53:23, 57:01:01-57:01:08, 57:03:01-57:03:02, 57:06-57:08, 57:10-57:11, 57:15-57:18, 57:20-57:21, 57:23, 57:25-57:26, 57:29, 57:31-57:32, 58:01:01-58:02, 58:04, 58:07, 58:10N-58:11, 58:13-58:18, 58:21, 58:23-58:30, 78:04, 81:05
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
												29		31		*13:02:01-13:02:09, 13:08Q-13:09, 13:14, 13:19, 13:27, 13:30, 13:32-13:35, 13:37-13:38, 27:14, 35:60, 40:06:01:01-40:06:03, 40:44, 40:53, 40:70, 40:75, 40:83, 40:93, 40:96, 40:103, 40:109-40:110, 40:127, 40:131, 46:18, 51:10, 51:31, 51:93, 54:12, 55:18, 55:34, 59:01-59:03, 59:05
											28			31		*13:03, 35:03:01-35:03:04, 35:06, 35:13, 35:36, 35:55-35:56, 35:59, 35:70, 35:74-35:75, 35:84, 35:98, 35:106, 35:127-35:128, 35:136, 40:71, 44:10, 46:11, 51:15, 53:04, 56:07-56:08, 56:14, 59:04

										27		29		31		*13:15
												29				*13:16, 15:42, 15:83, 40:95, 41:01, 41:05-41:07, 41:09, 41:12, 45:08, 45:10, 49:07, 51:16, 51:21, 51:34, 51:36, 51:82, 52:08, 78:07
												29				*13:18, 13:31
		19				23	24		26							*14:01, 14:07N, 14:12
		19				23			26							*14:02:01-14:02:02, 14:02:04, 14:03, 14:09, 14:11, 14:15-14:17
		19							26							*14:02:03
		19				23			26							*14:02:05
						23			26							*14:04
		19				23										*14:05-14:06:02, 14:13
		19				23	24									*14:08, 14:10
		19					24		26							*14:14
		19							26							*14:18
																*15:09-15:10:02, 15:18:01-15:18:04, 15:23, 15:37, 15:51, 15:72, 15:80, 15:90, 15:93, 15:99, 15:108, 15:115, 15:119, 15:134, 15:153, 15:161, 15:176, 15:197-15:198, 15:200
																*15:29, 15:38:01-15:38:02, 35:21, 35:142, 51:37, 51:45, 51:63, 53:06
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
	18															*15:49, 15:74, 37:21
														31		*15:52, 15:114, 15:124
											28					*15:58, 15:73
																*15:64, 18:13, 18:15, 18:19, 18:21, 18:30, 37:08
	18		20	21									30			*15:69
	18													31		*15:91, 15:123, 15:151, 18:12, 37:02, 40:12, 48:01:01-48:02:01, 48:03:01-48:04, 48:09-48:14, 48:17-48:18, 48:20-48:23
											28					*15:133
														31		*15:185, 18:04, 18:07:01-18:07:02, 18:29, 35:24:01-35:25, 35:124-35:125, 53:02, 57:14, 58:09, 58:12
			20	21												*15:186
						23										*15:189

														31		*18:01:01-18:03, 18:05-18:06, 18:08-18:11, 18:14, 18:17N-18:18, 18:20, 18:22-18:28, 18:31-18:32, 18:34-18:43, 18:45-18:50, 48:16
														31		*18:33
									26					31		*18:44
														31		*35:26
															32	*35:35
											28					*35:38, *C*15:15*
														31		*35:76, 40:61, 54:09, 55:04, 55:08, 56:09-56:10, 56:12, 56:15, 56:18, 81:01, 81:03-81:04N
														31		*35:82
											28			31		*35:85
										27						*35:96, 51:19
										27	28			31		*35:109
																*35:135, 51:22, 78:03
		19		21			24									*38:01:01-38:01:02, 38:01:04-38:02:02, 38:09, 38:11-38:12, 38:17-38:18, 38:21
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19	20	21			24									*38:01:03
	18			21			24									*38:03
	18			21												*38:04
		19		21												*38:05
		19		21												*38:06
		19		21			24									*38:07
		19		w			24									*38:08
		19					24									*38:10, 38:23
		19		21			24									*38:13
		19		21		w	24									*38:14
		19		21			24									*38:15
		19		21			24									*38:16
		19					24								w	*38:19
		19					24								32	*38:20
		19					24									*38:22
		?												31		*40:25, 40:68, 40:106
														31		*40:36, 40:77
												29		31		*40:86
		19												31		*48:06
	18													31		*48:07

										27	28					*51:13:01-51:13:02, 51:62, 51:92, 52:14
												29		31		*54:01-54:02, 54:04-54:05N, 54:07-54:08N, 54:11, 54:13-54:19, 54:21-54:23, 55:02:01-55:02:06, 55:07, 55:10, 55:12-55:13, 55:16, 55:19, 55:22-55:23, 55:26-55:27, 55:30, 55:32, 55:35, 55:39, 55:41-55:43, 56:23
											28			31		*54:03, 56:01:01-56:02, 56:04, 56:11, 56:16-56:17, 56:20, 56:22, 56:24, 56:26-56:29
												29				*54:10, 54:20, 55:09, 55:21, 55:37
												29				*55:01:01-55:01:06, 55:03, 55:05, 55:11, 55:15, 55:17, 55:20, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40
											28					*56:13, 56:25, 82:01-82:03
											28			31		*56:19N
				21												*58:20, 67:02
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
180	160	385	100	220	150	85	185	150	265	70	140	245	60	155	230	Length of spec.
			215		225			235		195	180		180			PCR product(s)
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19		21		23	24									*67:01:01
									26							*C*01:30*
													30			*C*06:40*
			20	21												*C*07:137*
								25								*C*15:31*
																HLA-B allele[4]
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.