

INTERPRETATION TABLE

HLA-B*52 SSP subtyping

Amplification patterns of the B*52:01 to B*52:31 alleles

	Well ⁹						
	1	2	3	4	5	6	7
Length of spec.	95	135	95	140	145	135	225
PCR product(s)		235			190	180	
Length of int. pos. control ¹	800	1070	1070	1070	1070	1070	800
5'-primer ²	527	106	206	209	435	435	134
	5'-TgA ^{3'}	5'-CCA ^{3'}	5'-gAC ^{3'}	5'-ggC ^{3'}	5'-AAA ^{3'}	5'-AAA ^{3'}	5'-CCC ^{3'}
3'-primer ³	583	200	259	309	538	527	317
	5'-gTg ^{3'}	5'-TCT ^{3'}	5'-CTC ^{3'}	5'-ATC ^{3'}	5'-CCA ^{3'}	5'-CCA ^{3'}	5'-ggA ^{3'}
		302			583	527	
		5'-ggC ^{3'}			5'-gTA ^{3'}	5'-CCA ^{3'}	
						572	
						5'-gCg ^{3'}	
Well No.	1	2	3	4	5	6	7
HLA-B allele ⁴							
*52:01:01:01-52:01:16, 52:22-52:25, 52:30-52:31, 53:28 ⁵	1		3				
*52:02	1			4			
*52:03			3		5	6	
*52:04, 52:09 ⁷	1	2	3				
*52:05	1		3				7
*52:06:01	1		3				
*52:06:02	1		3				
*52:07	1		3				
*52:08	1		3				
*52:10:01-52:10:02			3			6	
*52:11			3		5		
Well No.	1	2	3	4	5	6	7

Length of spec.	95	135	95	140	145	135	225
PCR product(s)		235			190	180	
Well No.	1	2	3	4	5	6	7
*52:12, 52:26-52:27 ⁸	1		3				
*52:13	1		3				
*52:14	1		3				
*52:15	1		3			6	
*52:16	1						
*52:17	1		3				
*52:18	1						
*52:19			3				
*52:20	1		3				
*52:21	1		3		5		
*52:28-52:29, 53:17:01-53:17:02 ⁶			3				
Well No.	1	2	3	4	5	6	7

Length of spec.	95	135	95	140	145	135	225
PCR product(s)		235			190	180	
Well No.	1	2	3	4	5	6	7
*07:02:01-07:02:10, 07:02:12-07:05:02, 07:05:04-07:26, 07:28-07:37, 07:39-07:49N, 07:51-07:57, 07:59-07:77, 07:79-07:83, 07:85-07:176, 08:01:01-08:01:20, 08:05, 08:07-08:08N, 08:10-08:16, 08:18-08:51, 08:53:01-08:53:02, 08:55-08:77, 08:79-08:83, 08:85-08:105, 13:07N, 13:36, 13:39, 15:01:01:01-15:01:01:02N, 15:01:03-15:01:04, 15:01:06-15:02:06, 15:05:01-15:08, 15:10:01-15:12, 15:14-15:15, 15:18:01-15:19, 15:21, 15:23, 15:25:01-15:35, 15:39:01-15:40, 15:42, 15:44-15:46, 15:48-15:53, 15:55-15:58, 15:60, 15:63, 15:65-15:66, 15:70-15:82, 15:84-15:86, 15:88-15:90, 15:92-15:94N, 15:96-15:97, 15:99, 15:101, 15:104-15:122, 15:124-15:126, 15:128-15:129, 15:133-15:136, 15:138-15:150, 15:152-15:154, 15:159-15:161, 15:163-15:167, 15:169-15:172, 15:174-15:176, 15:178-15:195, 15:197-15:201, 15:203-15:207, 15:209N, 15:211-15:215, 15:217-15:219, 15:221, 15:223-15:227, 15:229, 15:231-15:234, 15:236-15:238, 15:240-15:241, 15:244-15:250, 15:255, 15:257-15:264, 18:04, 18:07:01-18:07:02, 18:29, 18:33, 18:79-18:80, 27:01-27:04:02, 27:05:02-27:13, 27:15-27:21, 27:24-27:28, 27:30-27:80, 27:82-27:99, 35:31, 35:43:01, 35:57, 35:60, 35:79, 35:87, 35:185, 38:01:01-38:02:04, 38:04-38:05, 38:08-38:42, 39:01:01:01-39:01:01:03, 39:01:03-39:01:15, 39:03-39:05:02, 39:07, 39:09-39:12, 39:14-39:20, 39:22, 39:24:01-39:32, 39:35-39:38Q, 39:40:01N-39:45, 39:47-39:48, 39:51-39:56, 39:58-39:61, 39:63, 39:65-39:79, 40:01:01-40:01:05, 40:01:07-40:05, 40:07-40:11:02, 40:14:01-40:16, 40:18, 40:20-40:25, 40:27:01-40:27:02, 40:29-40:40, 40:42-40:43, 40:45-40:46, 40:48-40:50, 40:52, 40:54-40:69, 40:71-40:74, 40:76-40:82, 40:84-40:85,							

40:87:01-40:92, 40:94, 40:97-40:102, 40:104-40:108, 40:111-40:116, 40:118N-40:126, 40:128-40:130, 40:132-40:147, 40:150-40:156, 40:158, 40:160:01-40:160:02, 40:163-40:164, 40:166, 40:168-40:173, 40:175-40:176, 40:178-40:184, 40:186-40:187, 40:189, 40:191-40:200, 40:202-40:208, 40:210-40:226, 41:01-41:20, 41:23-41:25, 42:01:01-42:02, 42:05:01-42:10, 42:12-42:17, 44:02:22, 44:09, 44:12-44:13, 44:46, 44:67, 44:69, 44:75, 44:90, 44:97, 44:113, 44:127, 44:129, 44:131, 45:01, 45:03-45:08, 45:11-45:14, 46:01:01-46:31, 46:33-46:36, 46:38, 47:02, 48:06, 49:21, 50:01:01-50:02, 50:04-50:08, 50:10-50:13, 50:15-50:19, 54:01:01-54:13, 54:16-54:25, 54:27-54:28, 55:01:01-55:01:03, 55:01:05-55:05, 55:07-55:08, 55:10-55:12, 55:14-55:19, 55:21, 55:25-55:26, 55:28-55:55N, 55:57, 56:01:01-56:04, 56:07-56:12, 56:14-56:20:02, 56:23-56:35, 56:37-56:38N, 57:12, 57:16, 57:45, 57:51, 58:11, 58:20, 67:01:01-67:03, 81:01-81:02, 81:04N-81:06, 82:01-82:03							
Well No.	1	2	3	4	5	6	7

Length of spec.	95	135	95	140	145	135	225
PCR product(s)		235			190	180	
Well No.	1	2	3	4	5	6	7
*07:02:11, 07:05:03, 15:01:02, 15:09, 15:243, 15:252, 27:04:03, 40:26, 50:14, 55:01:04					5		
*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:04, 15:47:01-15:47:02, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:155-15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 15:242, 15:251, 15:253, 18:01:01:01-18:03, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N-18:18, 18:20-18:28, 18:31-18:32, 18:34-18:56, 18:58-18:78, 18:81-18:83, 37:08, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39:01-39:39:02, 39:49, 40:12, 40:149, 41:21-41:22, 42:11, 45:09, 46:32, 48:01:01-48:01:03, 48:03:01-48:05, 48:07-48:17, 48:19-48:28, 54:14-54:15, 55:23. 55:27							
*07:38, 08:02-08:03, 08:78, 27:23, 38:06-38:07, 40:13, 44:06, 51:42, 59:01:01:01-59:02, 59:04-59:05							
*07:78, 13:09, 13:19, 27:14, 27:81, 40:06:01:01-40:06:06, 40:53, 40:70, 40:75, 40:83, 40:93, 40:103, 40:127, 40:131, 40:148, 40:161-40:162, 40:165, 40:167, 40:177, 40:190, 45:10, 54:26, 55:09, 55:22, 55:24							
*07:84, 40:44, 40:159							
*08:09, 08:84, 15:83, 42:04, 55:20, 55:56, 56:13							
*08:52		2					
*13:01:01-13:01:06, 13:03, 13:06, 13:10-13:13, 13:17, 13:20-13:23, 13:25-13:26, 13:28-13:29, 13:43, 13:48, 13:50-13:53, 13:57, 13:60, 13:63N, 15:36, 15:43, 15:256, 27:29, 40:19, 40:47, 40:117, 40:157, 40:188, 40:201, 44:02:01:01-44:02:21, 44:02:23-44:05:04, 44:07-44:08, 44:10-44:11, 44:14-44:19N, 44:21-44:45, 44:48-44:61N, 44:63-44:65, 44:68, 44:70-44:74, 44:76-44:82, 44:84-44:89, 44:91-44:96, 44:98-44:99, 44:101-44:112, 44:114-44:117, 44:119-44:126:02, 44:128, 44:132-44:133, 44:135-44:155, 44:157-44:165, 47:01:01:01-47:01:02, 47:03-47:08, 49:01:01-49:02, 49:06, 49:08, 49:10-49:17, 49:19N-49:20, 49:22-49:24							
*13:02:01-13:02:15, 13:08Q, 13:14-13:16, 13:18, 13:27, 13:30-13:34, 13:37-13:38, 13:40-13:42, 13:44-13:45, 13:47, 13:49N, 13:54-13:56N, 13:59, 40:96, 40:109-40:110, 49:07							
*13:04, 37:01:06, 37:06, 37:28, 38:03, 44:47, 44:100, 44:130, 44:156, 48:18, 49:04-49:05, 49:25							
*13:35							
*13:46							
*13:58			3				
Well No.	1	2	3	4	5	6	7

Length of spec.	95	135	95	140	145	135	225
PCR product(s)		235			190	180	
Well No.	1	2	3	4	5	6	7
*13:61, 44:66, 44:118							
*13:62, 49:09	1						
*14:01:01-14:33, 15:37-15:38:02, 40:28, 40:51, 40:174, 56:06	1						
*15:13:01-15:13:02, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 57:01:01-57:01:10, 57:01:12-57:11, 57:13-57:15, 57:17-57:44, 57:46-57:50, 57:52-57:59				4			
*15:16:01-15:16:03, 15:67, 15:95, 15:222, 15:254				4			
*15:20, 15:228, 35:01:01:01-35:01:07, 35:01:09, 35:01:11-35:01:14, 35:01:16-35:01:27, 35:01:29-35:04:01, 35:04:03-35:09:03, 35:11:01-35:12:03, 35:14:01-35:15, 35:17-35:20:02, 35:22-35:27, 35:29:01, 35:30, 35:32:01-35:34, 35:36, 35:38-35:42:02, 35:44-35:45, 35:47-35:56, 35:58-35:59, 35:61:01-35:68:02, 35:70-35:72, 35:74-35:78, 35:81-35:86, 35:88-35:95, 35:97, 35:99-35:184, 35:186-35:187, 35:189-35:220, 58:01:01-58:01:09, 58:01:12-58:02, 58:04-58:07, 58:09-58:10N, 58:12-58:19, 58:21-58:29, 58:31N-58:35, 58:37-58:39N, 81:03							
*15:24, 15:157				4			
*15:87		2		4			
*15:137, 39:06:01-39:06:02, 39:33-39:34, 39:57, 39:62, 39:64, 45:02, 50:09, 55:13, 56:22							
*15:202, 15:239, 40:185, 40:209			3				
*18:09							
*18:12, 37:01:09, 37:05, 37:11, 37:37			3				
*18:15, 18:19, 18:30, 18:57	1						
*35:01:08, 35:01:15, 35:29:02							
*35:01:10, 35:04:02, 78:04					5	6	
*35:10, 35:13, 35:16, 35:28, 35:69, 35:80			3				
*35:21, 35:188, 51:01:17, 51:07:01-51:07:02, 51:22, 51:118N, 56:05:01-56:05:02, 56:21, 58:08:01-58:08:02, 78:01:01-78:03, 78:07	1						
*35:35, 35:46, 35:98, 48:02:02, 56:36							
*35:37, 48:02:01							
*35:96	1						
*37:01:01-37:01:05, 37:01:07-37:01:08, 37:02-37:04:02, 37:07, 37:09, 37:12-37:20, 37:23-37:25, 37:27, 37:29-37:36			3				
*37:10			3				
*37:21			3				
*37:22, 37:26, 49:03			3				
Well No.	1	2	3	4	5	6	7
Length of spec.	95	135	95	140	145	135	225

PCR product(s)		235			190	180	
Well No.	1	2	3	4	5	6	7
*39:50, 40:86							
*40:01:06					5	6	
*40:95					5		
*44:20							
*44:62					5	w	
*44:83, 44:134			3				
*48:02:03							
*49:18					5		
*51:01:01-51:01:16, 51:01:18-51:01:32, 51:01:34-51:01:38, 51:03-51:04, 51:06:01-51:06:02, 51:11N-51:12, 51:14, 51:17-51:18, 51:21, 51:24:01-51:24:04, 51:26-51:30, 51:32-51:33, 51:35, 51:38-51:39, 51:41N, 51:43, 51:45-51:46, 51:48-51:52, 51:55-51:58, 51:60, 51:62-51:72, 51:74-51:77, 51:79-51:80, 51:83-51:89, 51:91, 51:94-51:96, 51:98N-51:103, 51:105-51:107, 51:109-51:114, 51:116-51:117, 51:119, 51:121, 51:123-51:138, 51:140, 51:142, 51:145, 51:147, 53:06	1						
*51:01:33, 51:13:01-51:13:02	1						
*51:02:01-51:02:03, 51:02:05, 51:59, 51:143-51:144, 51:146					5		
*51:02:04, 51:15, 51:53, 51:81, 51:115, 51:120, 51:148, 53:01:01-53:04, 53:07-53:08:02, 53:10, 53:14-53:15, 53:18-53:27, 53:29							
*51:05, 51:23					5	w	
*51:08, 51:20, 51:44N, 51:97, 51:141							
*51:09:01-51:09:02, 51:19, 51:73, 51:122, 51:139						6	
*51:10							
*51:16, 51:82	1						
*51:31						6	
*51:34					5		
*51:36					5		
*51:37, 51:90	1						
*51:40, 51:108					5	6	
*51:54					5	w	
*51:61:01-51:61:02	1				5		
*51:78:01-51:78:02	1						
*51:92	1						
*51:93					5	6	
*51:104	1			4			
*53:05, 53:16		2					
*53:09							
*53:11-53:13							
*57:01:11				4			
Well No.	1	2	3	4	5	6	7

Length of spec.	95	135	95	140	145	135	225
PCR product(s)		235			190	180	
Well No.	1	2	3	4	5	6	7
*57:60		2		4			
*58:36				4			
*59:03							
*73:01-73:02							
*78:05-78:06	1		3				
*83:01							
<i>C*01:30, C*08:51, C*12:87, C*15:39</i>	1						
<i>C*02:02:23</i>					5		
HLA-B allele							
Well No.	1	2	3	4	5	6	7

									INT
									H
									Amplification
									Well ⁶
8	9	10	11	12	13	14	15	16	
145	100	95	85	85	165	165	95	160	
		245	225				170	215	
1070	800	1070	1070	1070	800	1070	800	1070	
206	213	206	133	272	652	652	142	86	
5'-gAC 3'	5'-CCg 3'	5'-gAC 3'	5'-CCA 3'	5'-CTC 3'	5'-CCg 3'	5'-CCA 3'	5'-TCT 3'	5'-CAA 3'	
	357	357	272				357	362	
	5'-Tgg 3'	5'-Tgg 3'	5'-CTT 3'				5'-Tgg 3'	5'-gAC 3'	
309	272	262	317	317	774	774	272	206	
5'-gTg 3'	5'-TgA 3'	5'-TgC 3'	5'-ggA 3'	5'-ggA 3'	5'-ggT 3'	5'-ggT 3'	5'-Tgg 3'	5'-CCg 3'	
	419	559					412	538	
	5'-CgA 3'	5'-CTC 3'					5'-gTC 3'	5'-gTC 3'	
8	9	10	11	12	13	14	15	16	
				12	13				
				12	13				
				12	13				
				12	13				
				12	13				
	9		11		13				
			11		13				
				12		14			
		10		12	13				
				12	13				
				12	13				
8	9	10	11	12	13	14	15	16	

145	100	95	85	85	165	165	95	160
		245	225				170	215
8	9	10	11	12	13	14	15	16
				12	13		15	
				12	13			16
	9			12	13			
				12	13			
				12	13		15	
			11	12	13			
		10			13			
				12	13			16
8				12	13			
				12	13			
				12	13			
8	9	10	11	12	13	14	15	16

145	100	95	85	85	165	165	95	160
		245	225				170	215
8	9	10	11	12	13	14	15	16
						14		

8	9	10	11	12	13	14	15	16	

145	100	95	85	85	165	165	95	160
		245	225				170	215
8	9	10	11	12	13	14	15	16
						14		
						14	15	
			11			14		
		10				14		
		10				14	15	
						14		16
			11			14		
				12		14		
		10		12		14		
				12		14	15	
		10		12		14	15	
	9			12		14		16
8		10		12		14		
8	9	10	11	12	13	14	15	16

145	100	95	85	85	165	165	95	160
		245	225				170	215
8	9	10	11	12	13	14	15	16
				12				
				12		14		
						14		
						14		
						14	15	
					13			
				12		14		
				12		14		
	9					14		
						14		
8						14	15	
						14	15	
						14	15	
	9				13			
					13			
					13			
					13			
					13	14		
					13		15	
					13	14		
				12		14	15	
8				12		14	15	
			11			14		
				12		14		
8	9	10	11	12	13	14	15	16
145	100	95	85	85	165	165	95	160

		245	225				170	215
8	9	10	11	12	13	14	15	16
	9	10				14		
						14		
		10				14		
				12		14	15	16
				12		14		
8				12		14		
					13	14	15	
				12		14		
			11		13			
	9		11		13			
			11		13			
			11		13			
			11		13			
			11		13			16
			11		13			
		10	11		13			
		10	11		13			
		10	11		13			
			11		13			16
			11		13		15	
			11		13			
8			11		13			
			11		13			
8			11		13			
	9		11		13		15	
		10	11		13			
			11		13			
			11		13			
8					13			
8			11		13			
8	9	10	11	12	13	14	15	16

145	100	95	85	85	165	165	95	160
		245	225				170	215
8	9	10	11	12	13	14	15	16
						14		
					13			
	9		11			14		
	9	10						
					13			
					?	?		
8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE	
HLA-B*52 SSP subtyping	
patterns of the B*52:01 to B*52:31 alleles	
	Length of spec. PCR product(s)
	Length of int. pos. control¹
	5'-primer²
	3'-primer³
	Well No.
	HLA-B allele⁴
	*52:01:01:01-52:01:16, 52:22-52:25, 52:30-52:31, 53:28⁵
	*52:02
	*52:03
	*52:04, 52:09⁷
	*52:05
	*52:06:01
	*52:06:02
	*52:07
	*52:08
	*52:10:01-52:10:02
	*52:11
	Well No.

	Length of spec.
	PCR product(s)
	Well No.
	*52:12, 52:26-52:27⁸
	*52:13
	*52:14
	*52:15
	*52:16
	*52:17
	*52:18
	*52:19
	*52:20
	*52:21
	*52:28-52:29, 53:17:01-53:17:02⁶
	Well No.

	Length of spec.
	PCR product(s)
	Well No.
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40:87:01-40:92, 40:94, 40:97-40:102, 40:104-40:108, 40:111-40:116, 40:118N-40:126, 40:128-40:130, 40:132-40:147, 40:150-40:156, 40:158, 40:160:01-40:160:02, 40:163-40:164, 40:166, 40:168-40:173, 40:175-40:176, 40:178-40:184, 40:186-40:187, 40:189, 40:191-40:200, 40:202-40:208, 40:210-40:226, 41:01-41:20, 41:23-41:25, 42:01:01-42:02, 42:05:01-42:10, 42:12-42:17, 44:02:22, 44:09, 44:12-44:13, 44:46, 44:67, 44:69, 44:75, 44:90, 44:97, 44:113, 44:127, 44:129, 44:131, 45:01, 45:03-45:08, 45:11-45:14, 46:01:01-46:31, 46:33-46:36, 46:38, 47:02, 48:06, 49:21, 50:01:01-50:02, 50:04-50:08, 50:10-50:13, 50:15-50:19, 54:01:01-54:13, 54:16-54:25, 54:27-54:28, 55:01:01-55:01:03, 55:01:05-55:05, 55:07-55:08, 55:10-55:12, 55:14-55:19, 55:21, 55:25-55:26, 55:28-55:55N, 55:57, 56:01:01-56:04, 56:07-56:12, 56:14-56:20:02, 56:23-56:35, 56:37-56:38N, 57:12, 57:16, 57:45, 57:51, 58:11, 58:20, 67:01:01-67:03, 81:01-81:02, 81:04N-81:06, 82:01-82:03

Well No.

Length of spec.
PCR product(s)
Well No.
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*07:27, 07:50, 08:04, 08:17, 08:54, 15:03:01-15:04, 15:47:01-15:47:02, 15:54, 15:61-15:62, 15:64:01-15:64:02, 15:68-15:69, 15:91, 15:98, 15:103, 15:123, 15:127, 15:131-15:132, 15:151, 15:155-15:156, 15:158, 15:173, 15:210, 15:220, 15:235, 15:242, 15:251, 15:253, 18:01:01:01-18:03, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N-18:18, 18:20-18:28, 18:31-18:32, 18:34-18:56, 18:58-18:78, 18:81-18:83, 37:08, 39:02:01-39:02:02, 39:08, 39:13:01-39:13:02, 39:23, 39:39:01-39:39:02, 39:49, 40:12, 40:149, 41:21-41:22, 42:11, 45:09, 46:32, 48:01:01-48:01:03, 48:03:01-48:05, 48:07-48:17, 48:19-48:28, 54:14-54:15, 55:23, 55:27
*07:38, 08:02-08:03, 08:78, 27:23, 38:06-38:07, 40:13, 44:06, 51:42, 59:01:01:01-59:02, 59:04-59:05
*07:78, 13:09, 13:19, 27:14, 27:81, 40:06:01:01-40:06:06, 40:53, 40:70, 40:75, 40:83, 40:93, 40:103, 40:127, 40:131, 40:148, 40:161-40:162, 40:165, 40:167, 40:177, 40:190, 45:10, 54:26, 55:09, 55:22, 55:24
*07:84, 40:44, 40:159
*08:09, 08:84, 15:83, 42:04, 55:20, 55:56, 56:13
*08:52
*13:01:01-13:01:06, 13:03, 13:06, 13:10-13:13, 13:17, 13:20-13:23, 13:25-13:26, 13:28-13:29, 13:43, 13:48, 13:50-13:53, 13:57, 13:60, 13:63N, 15:36, 15:43, 15:256, 27:29, 40:19, 40:47, 40:117, 40:157, 40:188, 40:201, 44:02:01:01-44:02:21, 44:02:23-44:05:04, 44:07-44:08, 44:10-44:11, 44:14-44:19N, 44:21-44:45, 44:48-44:61N, 44:63-44:65, 44:68, 44:70-44:74, 44:76-44:82, 44:84-44:89, 44:91-44:96, 44:98-44:99, 44:101-44:112, 44:114-44:117, 44:119-44:126:02, 44:128, 44:132-44:133, 44:135-44:155, 44:157-44:165, 47:01:01:01-47:01:02, 47:03-47:08, 49:01:01-49:02, 49:06, 49:08, 49:10-49:17, 49:19N-49:20, 49:22-49:24
*13:02:01-13:02:15, 13:08Q, 13:14-13:16, 13:18, 13:27, 13:30-13:34, 13:37-13:38, 13:40-13:42, 13:44-13:45, 13:47, 13:49N, 13:54-13:56N, 13:59, 40:96, 40:109-40:110, 49:07
*13:04, 37:01:06, 37:06, 37:28, 38:03, 44:47, 44:100, 44:130, 44:156, 48:18, 49:04-49:05, 49:25
*13:35
*13:46
*13:58
Well No.

Length of spec.
PCR product(s)
Well No.
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*15:13:01-15:13:02, 15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 57:01:01-57:01:10, 57:01:12-57:11, 57:13-57:15, 57:17-57:44, 57:46-57:50, 57:52- 57:59
*15:16:01-15:16:03, 15:67, 15:95, 15:222, 15:254
*15:20, 15:228, 35:01:01:01-35:01:07, 35:01:09, 35:01:11- 35:01:14, 35:01:16-35:01:27, 35:01:29-35:04:01, 35:04:03- 35:09:03, 35:11:01-35:12:03, 35:14:01-35:15, 35:17-35:20:02, 35:22-35:27, 35:29:01, 35:30, 35:32:01-35:34, 35:36, 35:38- 35:42:02, 35:44-35:45, 35:47-35:56, 35:58-35:59, 35:61:01- 35:68:02, 35:70-35:72, 35:74-35:78, 35:81-35:86, 35:88-35:95, 35:97, 35:99-35:184, 35:186-35:187, 35:189-35:220, 58:01:01- 58:01:09, 58:01:12-58:02, 58:04-58:07, 58:09-58:10N, 58:12- 58:19, 58:21-58:29, 58:31N-58:35, 58:37-58:39N, 81:03
*15:24, 15:157
*15:87
*15:137, 39:06:01-39:06:02, 39:33-39:34, 39:57, 39:62, 39:64, 45:02, 50:09, 55:13, 56:22
*15:202, 15:239, 40:185, 40:209
*18:09
*18:12, 37:01:09, 37:05, 37:11, 37:37
*18:15, 18:19, 18:30, 18:57
*35:01:08, 35:01:15, 35:29:02
*35:01:10, 35:04:02, 78:04
*35:10, 35:13, 35:16, 35:28, 35:69, 35:80
*35:21, 35:188, 51:01:17, 51:07:01-51:07:02, 51:22, 51:118N, 56:05:01-56:05:02, 56:21, 58:08:01-58:08:02, 78:01:01-78:03, 78:07
*35:35, 35:46, 35:98, 48:02:02, 56:36
*35:37, 48:02:01
*35:96
*37:01:01-37:01:05, 37:01:07-37:01:08, 37:02-37:04:02, 37:07, 37:09, 37:12-37:20, 37:23-37:25, 37:27, 37:29-37:36
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*51:02:01-51:02:03, 51:02:05, 51:59, 51:143-51:144, 51:146
*51:02:04, 51:15, 51:53, 51:81, 51:115, 51:120, 51:148, 53:01:01-53:04, 53:07-53:08:02, 53:10, 53:14-53:15, 53:18-53:27, 53:29
*51:05, 51:23
*51:08, 51:20, 51:44N, 51:97, 51:141
*51:09:01-51:09:02, 51:19, 51:73, 51:122, 51:139
*51:10
*51:16, 51:82
*51:31
*51:34
*51:36
*51:37, 51:90
*51:40, 51:108
*51:54
*51:61:01-51:61:02
*51:78:01-51:78:02
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<i>C*02:02:23</i>
HLA-B allele
Well No.