

INTERPRETATION TABLE

HLA-B*41 SSP subtyping

Amplification patterns of the HLA-B*41:01 to B*41:19 alleles

	Well ⁸							
	1	2	3	4	5	6	7	8
Length of spec.	285	215	80	90	255	220	295	215
PCR product(s)				265				
Length of int.	800	1070	1070	800	1070	1070	800	1070
pos. control ¹								
5'-primer ²	357	363	97	144	97	357	357	97
	5'-Tgg ^{3'}	5'-AgC ^{3'}	5'-TCC ^{3'}	5'-gCA ^{3'}	5'-TCC ^{3'}	5'-Tgg ^{3'}	5'-Tgg ^{3'}	5'-TCC ^{3'}
			363	379				
			5'-AgC ^{3'}	5'-ACC ^{3'}				
3'-primer ³	603	538	126	193	312	538	610	272
	5'-gTg ^{3'}	5'-gTC ^{3'}	5'-TCT ^{3'}	5'-CgT ^{3'}	5'-AgC ^{3'}	5'-gTC ^{3'}	5'-CTg ^{3'}	5'-Tgg ^{3'}
			407	603				
			5'-gCT ^{3'}	5'-gTg ^{3'}				
Well No.	1	2	3	4	5	6	7	8
HLA-B allele⁴								
*41:01	1					6		8
*41:02:01-41:02:04, 41:18-41:19		2						8
*41:03:01			3					8
*41:03:02								8
*41:04		2		4				8
*41:05	1				5	6		8
*41:06						6	7	8
*41:07, 41:12 ⁵	1			4		6		8
*41:08, 40:136 ⁶								8
*41:09, 45:08 ⁷						6	7	8
*41:10		2	3					8
*41:11		2						8
*41:13		2						8
*41:14	1					6		8
*41:15, 37:09 ⁸		2						8
*41:16	1					6		8
*41:17	1					6		8
Well No.	1	2	3	4	5	6	7	8
Length of spec.	285	215	80	90	255	220	295	215
PCR product(s)				265				
Well No.	1	2	3	4	5	6	7	8
*07:04, 07:25, 42:05:01-42:05:02		2						
*07:19, 08:31, 08:43		2						

*07:33, 07:53, 07:60, 07:100, 07:139, 14:05, 14:13, 15:07:01-15:07:02, 15:45, 15:55, 15:68, 15:126, 15:207, 27:07:01-27:07:02, 27:11, 27:24, 27:32-27:34, 27:43, 35:05:01-35:05:02, 35:22, 35:31, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 40:02:03, 40:08, 40:13, 40:27:02, 40:40, 40:58, 40:164, 44:54, 44:135, 46:12, 48:04, 48:13, 48:24, 51:64, 51:81, 53:14, 55:04, 55:49, 55:51, 58:18, 58:27, C*03:05, C*03:25, C*03:27, C*08:08								
*08:01:01-08:05, 08:07-08:08N, 08:10-08:11, 08:14-08:15, 08:17-08:19N, 08:21-08:24, 08:26, 08:28-08:30N, 08:32, 08:34-08:39, 08:41-08:42, 08:44-08:48, 08:50-08:54, 08:56-08:59, 08:61-08:69, 08:71-08:75, 08:77-08:78, 08:80, 35:87, 42:01:01-42:02, 42:06-42:07, 42:09-42:12, 42:15-42:16		2						
*08:09, 42:04	1				6			
*08:12:01-08:12:02, 08:16								
*08:12:03, 08:49, 08:60, 42:13								
*08:27, 08:33, 08:76		2						
*13:02:01-13:04, 13:08Q-13:09, 13:14-13:16, 13:18-13:19, 13:27, 13:31-13:35, 13:37-13:38, 13:40-13:42, 13:44-13:45, 13:47-13:49N, 15:04, 15:16:01-15:16:03, 15:67, 15:95, 15:137, 15:155, 15:222, 27:14, 27:81, 35:37, 39:33, 39:50, 40:75, 40:103, 40:110, 40:162, 44:47, 46:11, 49:10, 50:13, 51:01:01-51:03, 51:05, 51:07:01-51:07:02, 51:09:01-51:19, 51:22-51:24:04, 51:26-51:35, 51:37-51:41N, 51:43, 51:48-51:55, 51:57-51:58, 51:60-51:61, 51:63, 51:65-51:80, 51:82-51:95, 51:98N-51:100, 51:102-51:126, 52:01:01:01-52:18, 52:20-52:27, 54:03, 55:09, 55:22, 55:24, 56:01:01-56:01:04, 56:05:01-56:08, 56:14-56:17, 56:19N-56:22, 56:24-56:30, 58:08:01-58:08:02, 59:04, 73:01-73:02, 78:01:01-78:06						7		
*13:23, 15:71, 15:175, 15:204, 15:210, 15:212, 15:225, 18:01:01-18:01:12, 18:01:14-18:03, 18:05-18:06, 18:08-18:13, 18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:42, 18:44-18:55, 18:57-18:68, 27:18, 27:29, 35:63, 37:01:01-37:08, 37:10-37:11, 37:13-37:20, 37:22-37:25, 37:27-37:31, 40:01:01-40:01:23, 40:04, 40:11:01-40:11:02, 40:14:01-40:16, 40:20, 40:22N-40:23, 40:25-40:26, 40:28, 40:30-40:34, 40:36, 40:38, 40:42-40:43, 40:45-40:48, 40:51-40:52, 40:54-40:55, 40:59-40:60, 40:62-40:67, 40:69, 40:72:01-40:74, 40:76-40:77, 40:80-40:81, 40:84, 40:87:01-40:88, 40:92, 40:98-40:102, 40:108, 40:112-40:114, 40:116-40:118N, 40:120-40:121, 40:123-40:126, 40:128, 40:130, 40:132, 40:134-40:135, 40:138-40:141, 40:146-40:147, 40:149-40:156, 40:158, 40:160, 40:163, 40:168, 40:170-40:172, 40:175, 40:178-40:179, 44:55, 44:103, 44:131, 48:22, 50:12								8
Well No.	1	2	3	4	5	6	7	8
Length of spec.	285	215	80	90	255	220	295	215
PCR product(s)				265				
Well No.	1	2	3	4	5	6	7	8
*13:30							7	
*13:46, 15:83, 51:36					6		7	
*15:42, 35:60, 39:06:01-39:06:02, 39:34, 39:57, 39:62, 39:64, 46:18, 51:21, 51:101, 54:01:01-54:02, 54:04-54:05N, 54:07-54:08N, 54:10-54:24, 55:01:01-55:01:06, 55:01:08-55:03, 55:05, 55:07, 55:10-55:13, 55:15-55:19, 55:21, 55:23, 55:25-55:48, 55:50, 55:52-55:54, 56:23, 59:01:01:01-59:03, 59:05, 78:07							7	
*15:46, 15:106, 35:47, 35:154, 40:10:01-40:10:02, 53:15, 57:45				4				

*15:51, 15:179, 15:199, 15:218Q, 38:30, 44:41:01, C*07:04:03								
*18:14, 40:02:01-40:02:02, 40:02:04-40:03, 40:05, 40:09, 40:18-40:19, 40:24, 40:27:01, 40:29, 40:35, 40:37, 40:39, 40:50, 40:56-40:57, 40:71, 40:78, 40:82, 40:85, 40:89-40:91, 40:94, 40:97, 40:104-40:105, 40:107, 40:111, 40:115, 40:119, 40:122, 40:133Q, 40:142N-40:145, 40:157, 40:169, 40:173-40:174, 40:176, 40:180								8
*18:56, 37:12								8
*40:06:01:01-40:06:04, 40:44, 40:53, 40:70, 40:83, 40:86, 40:93, 40:95-40:96, 40:109, 40:127, 40:131, 40:148, 40:159, 40:161, 40:165, 40:167, 40:177, 49:01:01-49:09, 49:11-49:13, 49:15-49:20, 50:01:01-50:02, 50:04-50:10, 50:14-50:15							7	8
*40:79								8
*42:08, 42:14, 44:106		2						
*44:15, 44:18, 45:01-45:04, 45:07, 45:09-45:13						6	7	8
*44:20, 51:08, 51:20, 51:44N, 51:97, 52:19, 56:13						6	7	
*44:100, 45:06						6	7	
*45:05						6		8
*49:14							7	8
*50:11								8
*55:20	1			4		6		
Well No.	1	2	3	4	5	6	7	8

INTERPRETATION TABLE

HLA-B*41 subtyping

Amplification patterns of the HLA-B*41:01 to B*41:19 alleles

Well ⁸								
9	10	11	12	13	14	15	16	
105	105	245	210	285	115	155	290	Length of spec.
					215	375		PCR product(s)
1070	800	800	1070	1070	1070	800	1070	Length of int.
								pos. control ¹
540	540	357	369	357	366	160	363	5'-primer ²
5'-gAC ³	5'-gAC ³	5'-Tgg ³	5'-TAC ³	5'-Tgg ³	5'-ATT ³	5'-ACT ³	5'-AgC ³	
					463	322		
					5'-TgT ³	5'-gCC ³		
605	603	559	538	603	538	272	610	3'-primer ³
5'-gCT ³	5'-gTg ³	5'-CgT ³	5'-gTC ³	5'-gTC ³	5'-gTC ³	5'-Tgg ³	5'-CTg ³	
						412		
						5'-gTT ³		
9	10	11	12	13	14	15	16	Well No.
								HLA-B allele ⁴
	10	11						*41:01
	10		12					*41:02:01-41:02:04, 41:18-41:19
	10		12					*41:03:01
	10		12					*41:03:02
	10		12					*41:04
	10	11						*41:05
		11						*41:06
	10	11						*41:07, 41:12 ⁵
9			12					*41:08, 40:136 ⁶
		11		13				*41:09, 45:08 ⁷
	10		12					*41:10
	10		12			15		*41:11
	10		12		14			*41:13
	10	11				15		*41:14
			12				16	*41:15, 37:09 ⁸
	10	11			14			*41:16
	10							*41:17
9	10	11	12	13	14	15	16	Well No.
105	105	245	210	285	115	155	290	Length of spec.
					215	375		PCR product(s)
9	10	11	12	13	14	15	16	Well No.
9			12					*07:04, 07:25, 42:05:01-42:05:02
			12					*07:19, 08:31, 08:43

								16	*07:33, 07:53, 07:60, 07:100, 07:139, 14:05, 14:13, 15:07:01-15:07:02, 15:45, 15:55, 15:68, 15:126, 15:207, 27:07:01-27:07:02, 27:11, 27:24, 27:32-27:34, 27:43, 35:05:01-35:05:02, 35:22, 35:31, 35:51, 35:58, 35:72, 35:89, 35:97, 35:114, 38:19, 39:03, 39:14, 39:24:01-39:24:02, 39:29, 39:37, 40:02:03, 40:08, 40:13, 40:27:02, 40:40, 40:58, 40:164, 44:54, 44:135, 46:12, 48:04, 48:13, 48:24, 51:64, 51:81, 53:14, 55:04, 55:49, 55:51, 58:18, 58:27, C*03:05, C*03:25, C*03:27, C*08:08
	10		12						*08:01:01-08:05, 08:07-08:08N, 08:10-08:11, 08:14-08:15, 08:17-08:19N, 08:21-08:24, 08:26, 08:28-08:30N, 08:32, 08:34-08:39, 08:41-08:42, 08:44-08:48, 08:50-08:54, 08:56-08:59, 08:61-08:69, 08:71-08:75, 08:77-08:78, 08:80, 35:87, 42:01:01-42:02, 42:06-42:07, 42:09-42:12, 42:15-42:16
	10	11			14				*08:09, 42:04
	10		12						*08:12:01-08:12:02, 08:16
	10								*08:12:03, 08:49, 08:60, 42:13
	10								*08:27, 08:33, 08:76
					13				*13:02:01-13:04, 13:08Q-13:09, 13:14-13:16, 13:18-13:19, 13:27, 13:31-13:35, 13:37-13:38, 13:40-13:42, 13:44-13:45, 13:47-13:49N, 15:04, 15:16:01-15:16:03, 15:67, 15:95, 15:137, 15:155, 15:222, 27:14, 27:81, 35:37, 39:33, 39:50, 40:75, 40:103, 40:110, 40:162, 44:47, 46:11, 49:10, 50:13, 51:01:01-51:03, 51:05, 51:07:01-51:07:02, 51:09:01-51:19, 51:22-51:24:04, 51:26-51:35, 51:37-51:41N, 51:43, 51:48-51:55, 51:57-51:58, 51:60-51:61, 51:63, 51:65-51:80, 51:82-51:95, 51:98N-51:100, 51:102-51:126, 52:01:01-52:18, 52:20-52:27, 54:03, 55:09, 55:22, 55:24, 56:01:01-56:01:04, 56:05:01-56:08, 56:14-56:17, 56:19N-56:22, 56:24-56:30, 58:08:01-58:08:02, 59:04, 73:01-73:02, 78:01:01-78:06
									*13:23, 15:71, 15:175, 15:204, 15:210, 15:212, 15:225, 18:01:01-18:01:12, 18:01:14-18:03, 18:05-18:06, 18:08-18:13, 18:15, 18:17N-18:24, 18:26-18:28, 18:30-18:32, 18:34-18:42, 18:44-18:55, 18:57-18:68, 27:18, 27:29, 35:63, 37:01:01-37:08, 37:10-37:11, 37:13-37:20, 37:22-37:25, 37:27-37:31, 40:01:01-40:01:23, 40:04, 40:11:01-40:11:02, 40:14:01-40:16, 40:20, 40:22N-40:23, 40:25-40:26, 40:28, 40:30-40:34, 40:36, 40:38, 40:42-40:43, 40:45-40:48, 40:51-40:52, 40:54-40:55, 40:59-40:60, 40:62-40:67, 40:69, 40:72:01-40:74, 40:76-40:77, 40:80-40:81, 40:84, 40:87:01-40:88, 40:92, 40:98-40:102, 40:108, 40:112-40:114, 40:116-40:118N, 40:120-40:121, 40:123-40:126, 40:128, 40:130, 40:132, 40:134-40:135, 40:138-40:141, 40:146-40:147, 40:149-40:156, 40:158, 40:160, 40:163, 40:168, 40:170-40:172, 40:175, 40:178-40:179, 44:55, 44:103, 44:131, 48:22, 50:12
9	10	11	12	13	14	15	16		Well No.
105	105	245	210	285	115	155	290		Length of spec.
					215	375			PCR product(s)
9	10	11	12	13	14	15	16		Well No.
				13		15			*13:30
		11		13	14				*13:46, 15:83, 51:36
		11		13					*15:42, 35:60, 39:06:01-39:06:02, 39:34, 39:57, 39:62, 39:64, 46:18, 51:21, 51:101, 54:01:01-54:02, 54:04-54:05N, 54:07-54:08N, 54:10-54:24, 55:01:01-55:01:06, 55:01:08-55:03, 55:05, 55:07, 55:10-55:13, 55:15-55:19, 55:21, 55:23, 55:25-55:48, 55:50, 55:52-55:54, 56:23, 59:01:01:01-59:03, 59:05, 78:07
									*15:46, 15:106, 35:47, 35:154, 40:10:01-40:10:02, 53:15, 57:45

			12						*15:51, 15:179, 15:199, 15:218Q, 38:30, 44:41:01, C*07:04:03
							16		*18:14, 40:02:01-40:02:02, 40:02:04-40:03, 40:05, 40:09, 40:18-40:19, 40:24, 40:27:01, 40:29, 40:35, 40:37, 40:39, 40:50, 40:56-40:57, 40:71, 40:78, 40:82, 40:85, 40:89-40:91, 40:94, 40:97, 40:104-40:105, 40:107, 40:111, 40:115, 40:119, 40:122, 40:133Q, 40:142N-40:145, 40:157, 40:169, 40:173-40:174, 40:176, 40:180
			12						*18:56, 37:12
				13					*40:06:01:01-40:06:04, 40:44, 40:53, 40:70, 40:83, 40:86, 40:93, 40:95-40:96, 40:109, 40:127, 40:131, 40:148, 40:159, 40:161, 40:165, 40:167, 40:177, 49:01:01-49:09, 49:11-49:13, 49:15-49:20, 50:01:01-50:02, 50:04-50:10, 50:14-50:15
						15			*40:79
			12				16		*42:08, 42:14, 44:106
				13					*44:15, 44:18, 45:01-45:04, 45:07, 45:09-45:13
				13	14				*44:20, 51:08, 51:20, 51:44N, 51:97, 52:19, 56:13
				13					*44:100, 45:06
				13					*45:05
									*49:14
				13					*50:11
	10	11			14				*55:20
9	10	11	12	13	14	15	16		Well No.