

INTERPRETATION TABLE

DR low resolution SSP typing

Amplification patterns of the DRB1*01:01 to DRB1*10:03 alleles

		Well ⁶											
		1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.		200	200	200	210	120	80	85	100	210	170	85	205
PCR product(s)		255		215		220	210	210	175	230	215	135	
											250	180	
Length of int.													
pos. control ¹		515	430	430	430	430	430	430	430	430	515	430	430
5'-primer(s) ²		13 (124)	14 (129)	13 (126)	13 (126)	13 (125)	13 (125)	13 (125)	13 (125)	14 (127)	16 (133)	26 (165)	31 (178)
		5' -A.T 3'	5' -gAA 3'	5' -Agg 3'	5' -Agg 3'	5' -gTC 3'	5' -gTC 3'	5' -gTC 3'	5' -ACA 3'	5' -ATA 3'	5' -gTT 3'	5' -TAT 3'	5' -gCg 3'
		14 (129)		13 (126)	13 (126)	47 (227)	16 (133)		13 (125)	14 (127)	16 (133)	58 (261)	
		5' -gAA 3'		5' -Aag 3'	5' -Aag 3'	5' -gTT 3'	5' -gTT 3'		5' -ACC 3'	5' -ATA 3'	5' -gTT 3'	5' -gAg 3'	
									13 (125)	16 (133)			
									5' -ATA 3'	5' -gTT 3'			
									13 (125)				
									5' -gTC 3'				
3'-primer(s) ³		67 (286)	67 (286)	67 (286)	67 (286)	73 (305)	26 (164)	28 (171)	33 (184)	71 (298)	58 (260)	57 (257)	86 (344)
		5' -gAg 3'	5' -gAT 3'	5' -gAT 3'	5' -gAA 3'	5' -ggC 3'	5' -ggT 3'	5' -CTC 3'	5' -gTg 3'	5' -CTC 3'	5' -CCT 3'	5' -CgA 3'	5' -CAC 3'
		67 (286)		70 (295)	67 (286)	73 (305)	71 (299)	70 (295)	58 (260)	73 (305)	74 (307)	73 (305)	86 (344)
		5' -gAg 3'		5' -CTg 3'	5' -gAg 3'	5' -ggC 3'	5' -gCT 3'	5' -CTg 3'	5' -Cgg 3'	5' -ggC 3'	5' -Cag 3'	5' -ggC 3'	5' -CCA 3'
		67 (286)		70 (295)	70 (297)	74 (308)				77 (317)	86 (344)	78 (319)	
		5' -gAT 3'		5' -Tg 3'	5' -CTg 3'	5' -CCC 3'				5' -AAT 3'	5' -CAC 3'	5' -CAC 3'	
		71 (299)		71 (298)	72 (301)					78 (319)			
		5' -gCg 3'		5' -CgC 3'	5' -ggC 3'					5' -CAC 3'			

		86 (344)		71 (299)									
		5'-CCA ^{3'}		5'-gCT ^{3'}									
				73 (305)									
				5'-ggC ^{3'}									
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12

Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
DRB1 allele ⁴	ser ⁵												
*01:01:01-01:02:05, 01:04-01:34	DR1, Null, –	1											
*01:03	DR1, DR 103		2										
*03:01:01-01:03:01:09, 03:04-03:06, 03:09, 03:11-01:03:16, 03:18-03:20, 03:22-03:23, 03:25-03:26, 03:28, 03:30-03:31, 03:33-03:34, 03:36-03:37, 03:43-03:45, 03:47-03:48, 03:50-03:52, 03:54-03:58	DR17, DR3, –					5	6						
*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53	DR3, DR18, –					5		7					
*03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41, 03:49	DR3, –					5							
*03:08	DR3					5	6					11	
*03:10	DR3					5	6						
*03:42	–					5							
*03:46	–					5	6						
*04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:92	DR3, DR4, Null, –								8				
*04:62, 04:69, 04:73	DR4, –								8				
*07:01:01-01:07:01:03, 07:03-07:19	DR7, Null, –									9			
*08:01:01-08:02:03, 08:04:01-08:07, 08:11, 08:16-08:17, 08:22, 08:24, 08:26, 08:28, 08:39	DR8, –										10		
*08:03:02, 08:10, 08:12-08:15, 08:18-08:19, 08:23, 08:25, 08:27, 08:29-08:30:02, 08:33-08:34, 08:36-08:38	DR8, –										10		
*08:08	DR8										10		
*08:09, 14:15 ⁷	DR8										10		
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12

[illegible]

*11:26, 11:34	DR11						7						
*11:31, 11:45, 11:64	DR11, -												
*11:55	DR11												
*11:69, 11:82	-												
*11:73, 11:79	-					6							
*11:89	-												
*12:01:01-12:01:03, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:24N-12:25	DR12, Null, -												
*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26	DR12, -												
*12:04	DR12									10			
*12:16	-									10			
*12:22	-									9	10		
*13:01:01-13:02:01, 13:02:03-13:02:04, 13:04, 13:08, 13:16, 13:20, 13:22- 13:24, 13:27-13:29, 13:31- 13:32, 13:34-13:36, 13:38- 13:41, 13:48, 13:51-13:52, 13:54, 13:59, 13:61, 13:63- 13:65, 13:68-13:76, 13:78- 13:80, 13:83-13:84, 13:87, 13:91-13:93, 13:96-13:99, 13:102	DR11, DR13, DR14, -						6						
*13:02:02, 13:03:01- 13:03:06, 13:10, 13:33:01- 13:33:03, 13:37, 13:66:01- 13:66:02, 13:81, 13:88- 13:90, 13:94-13:95, 13:101	DR13, -						6						
*13:05:01-13:05:02, 13:07:01-13:07:02, 13:11:01- 13:11:02, 13:14:01- 13:14:03, 13:21:01- 13:21:02, 13:42, 13:46, 13:49-13:50:02, 13:62, 13:100	DR6, DR11, DR13, -												
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
*13:06, 13:12, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82	DR6, DR11, DR13, -												
*13:09	DR13												
*13:13, 14:84 ¹⁰	DR13, -												
*13:15, 13:19, 13:53, 13:57	DR13						6	7					

[illegible]

*14:49	DR14							7					
*14:50	DR14									9			
*14:58	DR14												
*14:65	DR6							w					
*14:68, 14:93	DR14,										10		
	-												
*14:69	-												
*14:73	-												
*14:74	-												
*14:82	-						6						
*14:89	-							7					
*14:95	-						6						
*14:98	-							7					
*15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:51	DR2,D R15, Null, -			3									
*15:21	DR2			3									
*15:25	-			3		5							
*15:27, 15:34	-			3									
*16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17	DR16, Null, -				4								
*16:04	DR16				4								
DRB3*01:01:02:01-01:14, DRB3*02:01:02:25, DRB3*03:01:01-03:03	DR52, -												
DRB4*01:01:01:01-01:03:01:01, 01:03:02-01:08	DR53, -												
DRB4*01:03:01:02N	Null												
DRB5*01:01:01-01:14, DRB5*02:02-02:05	DR51, Null, -												
Well No.	ser ⁵	1	2	3	4	5	6	7	8	9	10	11	12

INTERPRETATION TABLE												
DR low resolution SSP typing												
Amplification patterns of the DRB1*01:01 to DRB1*10:03 alleles												
Well ⁶												
13	14	15	16	17	18	19	20	21	22	23	24	
100	85	215	195	175	100	110	110	160	215	175	Neg. Control	Length of spec. PCR product(s)
170	105		215		140	135	175	240				
					155	170	225					Length of int. pos. control ¹
430	430	430	430	430	430	430	430	430	430	430		
13 (125)	16 (133)	10 (116)	10 (116)	13 (125)	1 st I (125)	26 (164)	13 (125)	10 (116)	28 (170)	13 (125)	Negative Control	5'-primer(s) ²
5'-gTC ^{3'}	5'-gTT ^{3'}	5'-gCT ^{3'}	5'-gCT ^{3'}	5'-gTC ^{3'}	5'-CAA ^{3'}	5'-gTA ^{3'}	5'-gTC ^{3'}	5'-gCT ^{3'}	5'-gAT ^{3'}	5'-gTA ^{3'}		
16 (133)		12 (122)	12 (122)		37 (197)	34 (189)	34 (189)	10 (116)				
5'-gTC ^{3'}		5'-TAT ^{3'}	5'-TAT ^{3'}		5'-gTT ^{3'}	5'-CAG ^{3'}	5'-CAG ^{3'}	5'-gCT ^{3'}				
38 (200)		13 (125)	13 (125)		37 (197)			38 (199)				
5'-CgT ^{3'}		5'-gTC ^{3'}	5'-gTC ^{3'}		5'-gTA ^{3'}			5'-TCC ^{3'}				
			16 (133)									
			5'-gTT ^{3'}									
			16 (133)									
			5'-gTC ^{3'}									
58 (260)	30 (175)	70 (295)	67 (286)	58 (260)	42 (213)	57 (257)	57 (257)	51 (239)	87 (346)	57 (258)		3'-primer(s) ³
5'-CCT ^{3'}	5'-gTg ^{3'}	5'-gTC ^{3'}	5'-gAA ^{3'}	5'-Cgg ^{3'}	5'-TCA ^{3'}	5'-CAG ^{3'}	5'-CAG ^{3'}	5'-CCC ^{3'}	5'-CTC ^{3'}	5'-gCg ^{3'}		
58 (260)	38 (199)	71 (299)	71 (298)	58 (260)	57 (257)	70 (295)	60 (265)	77 (317)	87 (346)	58 (260)		
5'-CCT ^{3'}	5'-CAG ^{3'}	5'-gCT ^{3'}	5'-CgC ^{3'}	5'-CAG ^{3'}	5'-CAG ^{3'}	5'-CTg ^{3'}	5'-gTg ^{3'}	5'-AAT ^{3'}	5'-CTT ^{3'}	5'-CCT ^{3'}		
58 (260)			71 (298)		71 (298)	70 (296)	70 (296)					
5'-CCT ^{3'}			5'-CTC ^{3'}		5'-CgC ^{3'}	5'-TCC ^{3'}	5'-TCC ^{3'}					
							74 (307)					
							5'-CAG ^{3'}					

13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.

13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.
												ser ⁵	DRB1 allele ⁴
												DR1, Null, –	*01:01:01-01:02:05, 01:04-01:34
												DR1, DR 103	*01:03
				17								DR17, DR3, –	*03:01:01-01-03:01:09, 03:04-03:06, 03:09, 03:11-01-03:16, 03:18-03:20, 03:22-03:23, 03:25-03:26, 03:28, 03:30-03:31, 03:33-03:34, 03:36-03:37, 03:43-03:45, 03:47-03:48, 03:50-03:52, 03:54-03:58
				17								DR3, DR18, –	*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53
				17								DR3, –	*03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41, 03:49
13												DR3	*03:08
						19	20					DR3	*03:10
												–	*03:42
												–	*03:46
												DR3, DR4, Null, –	*04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:92
					18							DR4, –	*04:62, 04:69, 04:73
												DR7, Null, –	*07:01:01-01-07:01:03, 07:03-07:19
			16									DR8, –	*08:01:01-08:02:03, 08:04-01-08:07, 08:11, 08:16-08:17, 08:22, 08:24, 08:26, 08:28, 08:39
												DR8, –	*08:03:02, 08:10, 08:12-08:15, 08:18-08:19, 08:23, 08:25, 08:27, 08:29-08:30:02, 08:33-08:34, 08:36-08:38
			16		18							DR8	*08:08
			16				20					DR8	*08:09, 14:15 ⁷
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.

		15	16	17			20					DR13, -	*08:20, 13:18, 13:47, 13:55 ⁸
		15	16				20					DR8	*08:21
13			16									DR8, DR11, -	*08:31, 08:41, 11:67 ⁹
	14						20					-	*08:32
							20					-	*08:35
												-	*08:40
						19						DR9, -	*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04- 09:09
												DR9	*09:01:06, 09:03
												DR10, -	*10:01:01-10:03
13		15	16									DR11, -	*11:01:01-11:01:12, 11:04:01-11:04:06, 11:06:01- 11:06:02, 11:09-11:10:02, 11:12:01-11:12:02, 11:15, 11:24, 11:27:01-11:30, 11:32-11:33, 11:35, 11:37- 11:39, 11:43-11:44, 11:46- 11:47, 11:49-11:51, 11:54:01-11:54:02, 11:56, 11:58:01-11:58:02, 11:60- 11:62, 11:66, 11:72, 11:74- 11:75, 11:77-11:78, 11:81, 11:84, 11:88, 11:90-11:92, 11:94-11:95, 11:97
13		15	16									DR11, DR13, -	*11:02:01-11:03, 11:11:01- 11:11:02, 11:14:01- 11:14:02, 11:16, 11:20- 11:21, 11:36, 11:40-11:41, 11:48, 11:59, 11:63, 11:65:01-11:65:02, 11:68, 11:70, 11:76, 11:80, 11:83, 11:85-11:87, 11:93
13			16									DR11	*11:05
13												DR11	*11:07, 11:53
13		15										DR11	*11:08:01-11:08:02, 11:18- 11:19:02, 11:42, 11:57
13						19	20					DR11	*11:13:01-11:13:02
13						19	20					DR11, DR14	*11:17, 11:52
13												-	*11:22, 11:98
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.
13		15	16				20					DR11, -	*11:23, 11:25, 11:96

13												DR11	*11:26, 11:34
13		15					20					DR11, -	*11:31, 11:45, 11:64
13			16				20					DR11	*11:55
13			16		18							-	*11:69, 11:82
13		15										-	*11:73, 11:79
13							20					-	*11:89
	14											DR12, Null, -	*12:01:01-12:01:03, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:24N-12:25
	14		16									DR12, -	*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26
	14											DR12	*12:04
	14		16									-	*12:16
	14											-	*12:22
			15	16	17							DR11, DR13, DR14, -	*13:01:01-13:02:01, 13:02:03-13:02:04, 13:04, 13:08, 13:16, 13:20, 13:22- 13:24, 13:27-13:29, 13:31- 13:32, 13:34-13:36, 13:38- 13:41, 13:48, 13:51-13:52, 13:54, 13:59, 13:61, 13:63- 13:65, 13:68-13:76, 13:78- 13:80, 13:83-13:84, 13:87, 13:91-13:93, 13:96-13:99, 13:102
			15		17							DR13, -	*13:02:02, 13:03:01- 13:03:06, 13:10, 13:33:01- 13:33:03, 13:37, 13:66:01- 13:66:02, 13:81, 13:88- 13:90, 13:94-13:95, 13:101
			15	16	17							DR6, DR11, DR13, -	*13:05:01-13:05:02, 13:07:01-13:07:02, 13:11:01- 13:11:02, 13:14:01- 13:14:03, 13:21:01- 13:21:02, 13:42, 13:46, 13:49-13:50:02, 13:62, 13:100
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.
		15		17								DR6, DR11, DR13, -	*13:06, 13:12, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82
			16	17								DR13	*13:09
		15		17			20					DR13, -	*13:13, 14:84 ¹⁰
		15	16	17								DR13	*13:15, 13:19, 13:53, 13:57

			16										DR13	*13:17
		15	16	17									DR14	*13:26
		15	16			19	20						DR13	*13:43
				17									-	*13:44, 13:86
		15	16		18		20						DR13	*13:45
		15	16										DR13,	*13:67, 13:103
													-	
		15		17									-	*13:85
					18	19	20						DR4, DR6, DR14, DR 1404, -	*14:01:01-14:01:02, 14:04, 14:07:01-14:07:02, 14:10, 14:26, 14:28, 14:31, 14:35, 14:38-14:39, 14:54-14:55, 14:57, 14:60-14:62, 14:70- 14:71, 14:75-14:76, 14:79, 14:86-14:88, 14:90, 14:99
						19	20						DR14, Null, -	*14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97
				17		19							DR6, DR14, -	*14:02, 14:06:01-14:06:02, 14:09, 14:13, 14:17, 14:20, 14:29-14:30, 14:33, 14:41, 14:47-14:48, 14:51, 14:80, 14:83, 14:94
		15		17			20						DR14, DR 1403, DR6, -	*14:03:01-14:03:02, 14:12:01-14:12:02, 14:40, 14:63, 14:67, 14:77-14:78, 14:85
				17		19	20						DR14, -	*14:05:01-14:05:03, 14:14, 14:23:01, 14:23:03, 14:36, 14:43-14:45, 14:56, 14:59, 14:64, 14:91, 14:96, 14:100
						19	20						DR14	*14:11
		15	16		18	19	20						DR6	*14:16
				17		19	20						DR14, -	*14:18, 14:81
		15		17		w							DR14	*14:19, 14:21
		15	16		18	19	20						DR14	*14:22
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.	
13	14	15	16	17	18	19	20	21	22	23	24	DR	Well No.	
			16	17									DR14	*14:24
		15	16		18		20						DR6, DR13, 14	*14:25, 14:53
		15	16	17			20						DR14	*14:27
					18	19	20						DR14	*14:32:01-14:32:02
			16	17	18								DR14	*14:37
				17			20						-	*14:42
						19							DR14	*14:46, 14:52

					18	19	20				Negative Control	DR14	*14:49
					18	19	20					DR14	*14:50
					18		20					DR14	*14:58
				17		19	20					DR6	*14:65
					18	19	20					DR14,	*14:68, 14:93
		15			18		20					-	
			16		18	19	20					-	*14:69
					18	19	20					-	*14:73
		15			18	19	20					-	*14:74
					18	19	20					-	*14:82
				17			20					-	*14:89
				17		19	20					-	*14:95
		15		17								-	*14:98
												DR2,D R15, Null, -	*15:01:01:01-15:20, 15:22- 15:24, 15:26, 15:28-15:33, 15:35-15:51
							w					DR2	*15:21
												-	*15:25
						19						-	*15:27, 15:34
												DR16, Null, -	*16:01:01-16:03, 16:05:01- 16:05:02, 16:07-16:17
							w					DR16	*16:04
								21				DR52, -	DRB3*01:01:02:01-01:14, DRB3*02:01:02:25, DRB3*03:01:01-03:03
									22			DR53, -	DRB4*01:01:01:01- 01:03:01:01, 01:03:02-01:08
					18				22			Null	DRB4*01:03:01:02N
										23		DR51, Null, -	DRB5*01:01:01-01:14, DRB5*02:02-02:05
13	14	15	16	17	18	19	20	21	22	23	24	ser ⁵	Well No.