

INTERPRETATION TABLE

DR low resolution SSP typing

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

		Well ⁶											
		73	74	75	76	77	78	79	80	81	82	83	84
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	
Length of int.		515	430	430	430	430	430	430	430	430	515	430	430
pos. control ¹													
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	73	74	75	76	77	78	79	80	81	82	83	84
DRB1 allele ⁴	ser ⁵												
*01:01:01-01:02:05, 01:04-01:34	1, Null –	73											
*01:03	1, 103		74										
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84

*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26	12, -												
*12:04	12										82		
*12:16	-										82		
*12:22	-									81	82		
*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, 13:61:01, 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	11, 13, 14, -						78						
*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	13, -						78						
*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	6, 11, 13, -												
*13:06, 13:12:01, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82	6, 11, 13, -												
*13:09	13												
*13:13, 14:84 ¹⁰	13, -												
*13:15, 13:19, 13:53, 13:57	13						78	79					
*13:17	13						78			81			
*13:26	14							79					
*13:43	13						78						
*13:44, 13:86	-							79					
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84
DRB1 allele ⁴	ser ⁵												
*13:45	13						78						
*13:67, 13:103	13, -												
*13:85	-						78	79					

*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	4, 6, 14, 1404, -												
*14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97	14, Null, -												
*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	14, 6, -							79					
*14:03:01-14:03:02, 14:12:01-14:12:02, 14:40, 14:63, 14:67, 14:77-14:78, 14:85	6, 14, 1403, -							79					
*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	14, -												
*14:11	14										82		
*14:16	6						78						
*14:18, 14:81	14, -							79					
*14:19, 14:21	14						78	79					
*14:22	14												
*14:24	14							79					
*14:25, 14:53	6, 13, 14												
*14:27	14							79					
*14:32:01-14:32:02	14							w					
*14:37	14												
*14:42	-												
*14:46, 14:52	14												
*14:49	14							79					
*14:50	14									81			
*14:58	14												
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84
DRB1 allele ⁴	ser ⁵												
*14:65	6							w					
*14:68, 14:93	14, -										82		
*14:69	-												
*14:73	-												
*14:74	-												
*14:82	-						78						

*14:89	-							79					
*14:95	-						78						
*14:98	-							79					
*15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:51	15, 2, Null, -			75									
*15:21	2			75									
*15:25	-			75		77							
*15:27, 15:34	-			75									
*16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17	16, Null, -				76								
*16:04	16				76								
<i>DRB3*01:01:02:01-01:14, DRB3*02:01-02:25, DRB3*03:01:01-03:03</i>	52, -												
<i>DRB4*01:01:01:01-01:03:01:01, DRB4*01:03:02-01:08 DRB4*01:03:01:02N</i>	53, - Null												
<i>DRB5*01:01:01-01:14, DRB5*02:02-02:05</i>	51, Null, -												
DRB1 allele ⁴	ser ⁵												
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84

INTERPRETATION TABLE														
DR low resolution SSP typing														
Amplification patterns of the DRB1*01:01 to DRB1*10:03 alleles														
Well ⁶														
85	86	87	88	89	90	91	92	93	94	95	96			
100	85	215	195	175	100	110	110	160	215	175	Negative control		Length of spec. PCR product(s)	
170	105		215		140	135	175	240						
430	430	430	430	430	430	430	430	430	430	430				Length of int. pos. control ¹
13 (125)	16 (133)	10 (116)	10 (116)	13 (125)	1st I	26 (164)	13 (125)	10 (116)	28 (170)	13 (125)				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'							
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.	
												ser ⁵	DRB1 allele ⁴	
												1, Null –	*01:01:01-01:02:05, 01:04-01:34	
												1, 103	*01:03	
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.	

85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
												ser ⁵	DRB1 allele ⁴
				89								3, 17, -	*03:01:01-01-03:01:09, 03:04:01-03:06, 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
				89								3, 18, -	*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53
				89								3, -	*03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39, 03:41, 03:49
85												3	*03:08
						91	92					3	*03:10
												-	*03:42
												-	*03:46
												3, 4, Null, -	*04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:92
					90							4, -	*04:62, 04:69, 04:73
												7, Null, -	*07:01:01-01-07:01:03, 07:03-07:19
			88									8, -	*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
												8, -	*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
			88		90							8	*08:08
			88				92					8	*08:09, 14:15 ⁷
		87	88	89			92					13, -	*08:20, 13:18, 13:47, 13:55 ⁸
		87	88				92					8	*08:21
85			88									8, 11, -	*08:31, 08:41, 11:67 ⁹
	86						92					-	*08:32
							92					-	*08:35
												-	*08:40
						91						9, -	*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:09
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
												ser ⁵	DRB1 allele ⁴

Negative control

												9	*09:01:06, 09:03
												10, -	*10:01:01-10:03
85		87	88									11, -	*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, 11:46:01- 11:47, 11:49:01-11:51, 11:54:01-11:54:02, 11:56, 11:58:01-11:58:02, 11:60- 11:62, 11:66, 11:72, 11:74:01-11:75, 11:77- 11:78, 11:81, 11:84, 11:88, 11:90-11:92, 11:94- 11:95, 11:97
85		87	88									11, 13, -	*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
85			88									11	*11:05
85												11	*11:07, 11:53
85		87										11	*11:08:01-11:08:02, 11:18- 11:19:02, 11:42, 11:57
85						91	92					11	*11:13:01-11:13:02
85						91	92					11, 14	*11:17, 11:52
85												-	*11:22, 11:98
85		87	88				92					11, -	*11:23, 11:25, 11:96
85												11	*11:26, 11:34
85		87					92					11, -	*11:31, 11:45, 11:64
85			88				92					11	*11:55
85			88		90							-	*11:69, 11:82
85		87										-	*11:73, 11:79
85							92					-	*11:89
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
												ser ⁵	DRB1 allele ⁴
	86											12, Null, -	*12:01:01-12:01:03, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:24N- 12:25

Negative control

	86		88										12, -	*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26
	86												12	*12:04
	86		88										-	*12:16
	86												-	*12:22
			87	88	89								11, 13, 14, -	*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, 13:61:01, 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
			87		89								13, -	*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
			87	88	89								6, 11, 13, -	*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
			87		89								6, 11, 13, -	*13:06, 13:12:01, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82
				88	89								13	*13:09
			87		89			92					13, -	*13:13, 14:84 ¹⁰
			87	88	89								13	*13:15, 13:19, 13:53, 13:57
				88									13	*13:17
			87	88	89								14	*13:26
			87	88			91	92					13	*13:43
					89								-	*13:44, 13:86
85	86	87	88	89	90	91	92	93	94	95	96	DR		Well No.
85	86	87	88	89	90	91	92	93	94	95	96	DR		Well No.
												ser ⁵		DRB1 allele ⁴
		87	88		90		92						13	*13:45
		87	88										13, -	*13:67, 13:103
		87		89									-	*13:85

Negative control

					90	91	92							4, 6, 14, 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
						91	92							14, Null, -	*14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97
				89		91								14, 6, -	*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
		87		89			92							6, 14, 1403, -	*14:03:01-14:03:02, 14:12:01-14:12:02, 14:40, 14:63, 14:67, 14:77-14:78, 14:85
				89		91	92							14, -	*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
						91	92							14	*14:11
		87	88		90	91	92						6		*14:16
				89		91	92						14, -		*14:18, 14:81
		87		89		w							14		*14:19, 14:21
		87	88		90	91	92						14		*14:22
			88	89									14		*14:24
		87	88		90		92						6, 13, 14		*14:25, 14:53
		87	88	89			92						14		*14:27
					90	91	92						14		*14:32:01-14:32:02
			88	89	90								14		*14:37
				89			92						-		*14:42
						91							14		*14:46, 14:52
					90	91	92						14		*14:49
					90	91	92						14		*14:50
					90		92						14		*14:58
85	86	87	88	89	90	91	92	93	94	95	96	DR			Well No.
85	86	87	88	89	90	91	92	93	94	95	96	DR			Well No.
													ser ⁵		DRB1 allele ⁴
				89		91	92						6		*14:65
					90	91	92						14, -		*14:68, 14:93
		87			90		92						-		*14:69
			88		90	91	92						-		*14:73
		87			90	91	92						-		*14:74
					90	91	92						-		*14:82

Negative control

				89			92					-	*14:89
				89		91	92					-	*14:95
		87		89								-	*14:98
												15, 2, Null, -	*15:01:01:01-15:20, 15:22 15:24, 15:26, 15:28-15:33, 15:35-15:51
							w					2	*15:21
												-	*15:25
						91						-	*15:27, 15:34
												16, Null, -	*16:01:01-16:03, 16:05:01- 16:05:02, 16:07-16:17
							w					16	*16:04
								93				52, -	<i>DRB3*01:01:02:01-01:14,</i> <i>DRB3*02:01-02:25,</i> <i>DRB3*03:01:01-03:03</i>
									94			53, -	<i>DRB4*01:01:01:01-01:03:01:01,</i> <i>DRB4*01:03:02-01:08</i> <i>DRB4*01:03:01:02N</i>
					90				94			Null	
										95		51, Null, -	<i>DRB5*01:01:01-01:14,</i> <i>DRB5*02:02-02:05</i>
												ser ⁵	DRB1 allele ⁴
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.