

		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

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, 01:04-01:37	DR1, Null, -	73											
*01:03	DR103, DR1		74										
*03:01:01:01-03:01:14, 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, 03:54-03:63	DR3, DR17, -					77	78						
*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53	DR3, DR18, -					77		79					
*03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41, 03:49	DR3, -					77							
*03:08, 03:65	DR3, -					77	78					83	
*03:10	DR3					77	78						
*03:42	-					77							
*03:46, 03:64	-					77	78						
*04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:102	DR3, DR4, Null, -								80				
*04:62, 04:69, 04:73	DR4, -								80				
*07:01:01:01-07:01:04, 07:03-07:21	DR7, Null, -									81			
*08:01:01-08:02:04, 08:04:01-08:07, 08:11, 08:16-08:17, 08:22, 08:24, 08:26, 08:28, 08:39, 08:42-08:44	DR8, -										82		
*08:03:02, 08:10, 08:12-08:15, 08:18-08:19, 08:23, 08:25, 08:27, 08:29-08:30:03, 08:33-08:34, 08:36-08:38, 08:45-08:48	DR8, -										82		
*08:08	DR8										82		
*08:09, 14:15 ⁷	DR8										82		
*08:20, 13:18, 13:47, 13:55 ⁸	DR13, -												
*08:21	DR8										82		
*08:31, 08:41, 11:67 ⁹	DR8, DR11, -										82		
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
*08:32	-										82		
*08:35	-										82		
*08:40	-						78				82		
*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:16	DR9, -											83	
*09:01:06, 09:03	DR9											83	
*10:01:01-10:03	DR10, -												84
*11:01:01-11:01:15, 11:04:01-11:04:08, 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, 11:37:01-11:39, 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, 11:99-11:102:01, 11:106, 11:108-11:113	DR11, -												
*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	DR11, DR13, -						78						
*11:05	DR11												
*11:07, 11:53, 11:103, 11:105, 11:107	DR11, -					77						83	
*11:08:01-11:08:02, 11:18-11:19:03, 11:42, 11:57	DR11, -												
*11:13:01-11:13:02	DR11							w					
*11:17, 11:52	DR11, DR14												
*11:22, 11:98, 11:104	-												
*11:23, 11:25, 11:96	DR11, -												
*11:26, 11:34	DR11							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
*11:31, 11:45, 11:64	DR11, -												
*11:55	DR11												
*11:69, 11:82	-												
*11:73, 11:79	-						78						
*11:89	-												
*12:01:01-12:01:04, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:24N-12:25, 12:28-12:30, 12:34	DR12, Null, -												
*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26-12:27, 12:31N-12:33	DR12, Null, -												
*12:04	DR12										82		
*12:16	-										82		
*12:22	-									81	82		
*13:01:01-13:02:01, 13:02:03-13:02:05, 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, 13:61:01-13:61:02, 13:63-13:65, 13:68-13:76, 13:78-13:80, 13:83-13:84, 13:87, 13:91-13:93, 13:96:01-13:99, 13:102, 13:105-13:107, 13:109, 13:111-13:114, 13:117	DR11, DR13, DR14, Null, -						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, 13:115	DR13, -						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, 13:108	DR6, DR11, DR13, -												
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

*13:06, 13:12:01-13:12:02, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82, 13:110, 13:118	DR6, DR11, DR13, -												
*13:09	DR13												
*13:13, 13:119, 14:84, 14:116 ¹⁰	DR13, -												
*13:15, 13:19, 13:53, 13:57, 13:104	DR13, -						78	79					
*13:17, 13:116	DR13, -						78			81			
*13:26	DR14							79					
*13:43	DR13						78						
*13:44, 13:86	-, -							79					
*13:45	DR13						78						
*13:67, 13:103	DR13, -												
*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, 14:101, 14:104, 14:107, 14:110-14:114, 14:117	DR4, DR6, DR14, DR1404 , -												
*14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97	DR14, 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, 14:106, 14:108	DR6, DR14, -							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, 14:102, 14:115	DR6, DR14, DR1403 , -							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, 14:103	DR14, -												
*14:11	DR14										82		
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

*14:16	DR6						78						
*14:18, 14:81	DR14, -							79					
*14:19, 14:21, 14:109	DR14, -						78	79					
*14:22, 14:105	DR14, -												
*14:24	DR14							79					
*14:25, 14:53	DR6, DR13, 14												
*14:27	DR14							79					
*14:32:01-14:32:02	DR14							w					
*14:37	DR14												
*14:42	-												
*14:46, 14:52	DR14												
*14:49	DR14							79					
*14:50	DR14									81			
*14:58	DR14												
*14:65	DR6							w					
*14:68, 14:93	DR14, -										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, 15:35-15:58	DR2, DR15, Null, -			75									
*15:21	DR2			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	DR16, Null, -				76								
*16:04, 16:18	DR16, -				76								
DRB3*01:01:02:01-01:15, DRB3*02:01:02:26, 02:28, DRB3*03:01:01-03:03 DRB3*02:27	DR52, - -												
DRB4*01:01:01:01-01:03:01:01, 01:03:01:03-01:08 DRB4*01:03:01:02N	DR53, - Null												
DRB5*01:01:01-01:14, DRB5*02:02-02:05	DR51, Null, -												
Well No.		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				Length of spec. PCR product(s)
170	105		225		140	135	175	240						
					155	170	225							
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)	1 st 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'							

Negative Control

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
												DR1, Null, -	*01:01:01-01:02:05, 01:04-01:37
												DR103, DR1	*01:03
				89								DR3, DR17, -	*03:01:01-01-03:01:14, 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, 03:54-03:63
				89								DR3, DR18, -	*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53
				89								DR3, -	*03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41, 03:49
85												DR3, -	*03:08, 03:65
						91	92					DR3	*03:10
												-	*03:42
												-	*03:46, 03:64
												DR3, DR4, Null, -	*04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:102
					90							DR4, -	*04:62, 04:69, 04:73
												DR7, Null, -	*07:01:01-01-07:01:04, 07:03-07:21
			88									DR8, -	*08:01:01-08:02:04, 08:04:01-08:07, 08:11, 08:16-08:17, 08:22, 08:24, 08:26, 08:28, 08:39, 08:42-08:44
												DR8, -	*08:03:02, 08:10, 08:12-08:15, 08:18-08:19, 08:23, 08:25, 08:27, 08:29-08:30:03, 08:33-08:34, 08:36-08:38, 08:45-08:48
			88		90							DR8	*08:08
			88				92					DR8	*08:09, 14:15 ⁷
		87	88	89			92					DR13, -	*08:20, 13:18, 13:47, 13:55 ⁸
		87	88				92					DR8	*08:21
85			88									DR8, DR11, -	*08:31, 08:41, 11:67 ⁹
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.

Negative Control

85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
	86						92					-	*08:32
							92					-	*08:35
												-	*08:40
						91						DR9, -	*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:16
												DR9	*09:01:06, 09:03
												DR10, -	*10:01:01-10:03
85		87	88									DR11, -	*11:01:01-11:01:15, 11:04:01-11:04:08, 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, 11:37:01-11:39, 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, 11:99-11:102:01, 11:106, 11:108-11:113
85		87	88									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
85			88									DR11	*11:05
85												DR11, -	*11:07, 11:53, 11:103, 11:105, 11:107
85		87										DR11, -	*11:08:01-11:08:02, 11:18-11:19:03, 11:42, 11:57
85						91	92					DR11	*11:13:01-11:13:02
85						91	92					DR11, DR14	*11:17, 11:52
85												-	*11:22, 11:98, 11:104
85		87	88				92					DR11, -	*11:23, 11:25, 11:96
85												DR11	*11:26, 11:34
85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.

Negative Control

85	86	87	88	89	90	91	92	93	94	95	96	DR	Well No.
85		87					92					DR11, -	*11:31, 11:45, 11:64
85			88				92					DR11	*11:55
85			88		90							-	*11:69, 11:82
85		87										-	*11:73, 11:79
85							92					-	*11:89
	86											DR12, Null, -	*12:01:01-12:01:04, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:24N-12:25, 12:28-12:30, 12:34
	86		88									DR12, Null, -	*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:21, 12:23, 12:26-12:27, 12:31N-12:33
	86											DR12	*12:04
	86		88									-	*12:16
	86											-	*12:22
		87	88	89								DR11, DR13, DR14, Null, -	*13:01:01-13:02:01, 13:02:03- 13:02:05, 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, 13:61:01-13:61:02, 13:63- 13:65, 13:68-13:76, 13:78- 13:80, 13:83-13:84, 13:87, 13:91-13:93, 13:96:01-13:99, 13:102, 13:105-13:107, 13:109, 13:111-13:114, 13:117
		87		89								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, 13:115
		87	88	89								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, 13:108
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.

Negative Control

		87		89								DR6, DR11, DR13, -	*13:06, 13:12:01-13:12:02, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82, 13:110, 13:118
			88	89								DR13	*13:09
		87		89			92					DR13, -	*13:13, 13:119, 14:84, 14:116 ¹⁰
		87	88	89								DR13, -	*13:15, 13:19, 13:53, 13:57, 13:104
			88									DR13, -	*13:17, 13:116
		87	88	89								DR14	*13:26
		87	88			91	92					DR13	*13:43
				89								, -	*13:44, 13:86
		87	88		90		92					DR13	*13:45
		87	88									DR13, -	*13:67, 13:103
		87		89								-	*13:85
					90	91	92					DR4, DR6, DR14, DR1404 , -	*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, 14:101, 14:104, 14:107, 14:110-14:114, 14:117
						91	92					DR14, Null, -	*14:01:03, 14:08, 14:23:02, 14:34, 14:72, 14:92N, 14:97
				89		91						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, 14:106, 14:108
		87		89			92					DR6, DR14, DR1403 , -	*14:03:01-14:03:02, 14:12:01- 14:12:02, 14:40, 14:63, 14:67, 14:77-14:78, 14:85, 14:102, 14:115
				89		91	92					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, 14:103
						91	92					DR14	*14:11
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.

Negative Control

		87	88		90	91	92									DR6	*14:16
				89		91	92									DR14, -	*14:18, 14:81
		87		89		w										DR14, -	*14:19, 14:21, 14:109
		87	88		90	91	92									DR14, -	*14:22, 14:105
			88	89												DR14	*14:24
		87	88		90		92									DR6, DR13, 14	*14:25, 14:53
		87	88	89			92									DR14	*14:27
					90	91	92									DR14	*14:32:01-14:32:02
			88	89	90											DR14	*14:37
				89			92									-	*14:42
						91										DR14	*14:46, 14:52
					90	91	92									DR14	*14:49
					90	91	92									DR14	*14:50
					90		92									DR14	*14:58
				89		91	92									DR6	*14:65
					90	91	92									DR14, -	*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
				89			92									-	*14:89
				89		91	92									-	*14:95
		87		89												-	*14:98
																DR2, DR15, Null, -	*15:01:01:01-15:20, 15:22- 15:24, 15:26, 15:28-15:33, 15:35-15:58
							w									DR2	*15:21
						91										-	*15:25
																-	*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, 16:18
								93								DR52, -	DRB3*01:01:02:01-01:15, DRB3*02:01-02:26, 02:28, DRB3*03:01:01-03:03
		87						93								-	DRB3*02:27
									94							DR53, -	DRB4*01:01:01:01- 01:03:01:01, 01:03:01:03- 01:08
					90				94							Null	DRB4*01:03:01:02N
										95						DR51, Null, -	DRB5*01:01:01-01:14, DRB5*02:02-02:05
85	86	87	88	89	90	91	92	93	94	95	96						Well No.

Negative Control