

INTERPRETATION TABLE																
DRB1*11 SSP subtyping																
Amplification patterns of the DRB1*11:01 to DRB1*11:94 alleles																
	Well ⁷															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Length of int. pos. control ¹	515	430	430	430	515	515	430	430	430	430	515	430	430	430	430	430
5'-primer(s) ²	13(125)	13(125)	58(261)	13(125)	58(260)	58(261)	58(261)	58(261)	58(261)	58(261)	13(125)	10(116)	37(196)	13(125)	37(197)	13(125)
	5' -gTC 3'	5' -ggg 3'	5' -gAg 3'	5' -gTC 3'	5' -TgA 3'	5' -gAg 3'	5' -gAg 3'	5' -gAg 3'	5' -gAg 3'	5' -gAg 3'	5' -gTC 3'	5' -gCT 3'	5' -AgA 3'	5' -gTC 3'	5' -gTT 3'	5' -gTC 3'
												24(157)	37(196)		37(197)	
												5' -ggA 3'	5' -AgA 3'		5' -gTT 3'	
												41(208)	49(233)		51(239)	
												5' -TCA 3'	5' -ggA 3'		5' -gAT 3'	
3'-primer(s) ³	58(260)	58(260)	67(286)	67(286)	71(298)	71(298)	86(344)	86(344)	73(305)	67(286)	51(238)	58(260)	58(260)	47(227)	58(260)	37(196)
	5' -CCT 3'	5' -CCT 3'	5' -gAA 3'	5' -gAT 3'	5' -CCT 3'	5' -CTC 3'	5' -CAC 3'	5' -CCA 3'	5' -ggC 3'	5' -gAg 3'	5' -CgC 3'	5' -CCT 3'	5' -CCT 3'	5' -ggT 3'	5' -CCT 3'	5' -gTC 3'
	58(260)		67(286)	67(286)	72(303)				74(308)	73(305)	55(251)					38(199)
	5' -CCT 3'		5' -gAA 3'	5' -gAT 3'	5' -gCg 3'				5' -CCA 3'	5' -ggC 3'	5' -gCT 3'					5' -CAg 3'
	58(260)				74(307)				83(334)	74(307)	67(286)					38(199)
	5' -CCT 3'				5' -CAg 3'				5' -gTg 3'	5' -CAg 3'	5' -gAg 3'					5' -CAA 3'
										84(338)	85(341)					38(200)
										5' -CCT 3'	5' -CAg 3'					5' -gCg 3'

																5' -AAT 3' 85(340)
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele ⁴																
*11:01:01-11:01:11	1		3		5		7									
*11:02:01-11:02:02	1			4		6		8								
*11:03	1		3			6		8								
*11:04:01-11:04:03, 11:04:05	1		3		5			8								
*11:04:04	1		3		5			8								
*11:05		2	3		5		7									
*11:06:01-11:06:02	1		3		5			8			11					
*11:07	1							8	9	10						
*11:08:01-11:08:02	1				5		7				11					
*11:09	1		3		5		7						13			
*11:10:01-11:10:02	1		3		5		7								15	
*11:11:01-11:11:02	1		3			6	7									
*11:12:01	1		3		5		7								15	
*11:12:02	1		3		5		7								15	
*11:13:01-11:13:02	1				5			8		10					15	
*11:14:01-11:14:02	1			4		6	7									
*11:15	1		3		5		7									16
*11:16	1			4		6		8					13			
*11:17	1				5			8		10				14	15	
*11:18	1			4	5			8								
*11:19:01-11:19:02	1			4	5		7									
*11:20	1			4		6	7						13			
*11:21	1			4		6		8			11					
*11:22			3		5		7									
*11:23	1		3		5		7		9	10						
*11:24, 11:91 ⁵	1		3		5		7									16
*11:25	1		3		5			8	9	10						
*11:26	1				5		7			10						
*11:27:01-11:27:02	1		3		5		7									
*11:28:01	1		3		5		7						13			
*11:28:02	1		3		5		7						13			
*11:29	1		3		5		7									
*11:30			3		5		7					12				
*11:31	1			4	5		7									
*11:32	1		3		5		7		9							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*11:33	1		3		5		7									
*11:34	1				5			8		10						
*11:35	1		3		5			8								
*11:36	1					6		8			11					
*11:37	1		3		5		7							14		
*11:38	1		3		5			8								
*11:39	1		3		5		7									
*11:40	1		3			6		8					13			
*11:41	1		3			6		8						14		
*11:42	1				5			8			11					
*11:43	1		3		5			8								
*11:44	1		3		5			8								16
*11:45	1			4	5		7		9	10						
*11:46	1		3		5			8								
*11:47	1		3		5			8			11					
*11:48	1			4		6		8						14		
*11:49	1		3		5		7									16
*11:50	1		3		5			8						14		16
*11:51	1		3				7									
*11:52	1				5			8		10				14	15	
*11:53	1						7									
*11:54:01-11:54:02	1		3		5			8								
*11:55	1		3		5	6		8	9	10						
*11:56	1		3		5			8						14		
*11:57	1				5			8			11					
*11:58:01-11:58:02	1		3		5			8					13			
*11:59	1		3			6		8					13			
*11:60	1		3		5			8					13			
*11:61, 11:90 ⁶	1		3		5		7					12				
*11:62	1		3		5		7									
*11:63	1		3			6		8								
*11:64	1				5		7		9	10	11					
*11:65:01-11:65:02	1			4		6		8								
*11:66	1		3		5		7								15	
*11:67		2	3		5			8	9	10						
*11:68	1					6	7				11					
*11:69	1						7									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*11:70	1			4		6		8	9							
*11:72	1		3		5		7									
*11:73	1			4			7									
*11:74	1		3		5		7			10						
*11:75	1		3		5		7				11					
*11:76	1		3			6		8								16
*11:77	1		3		5			8	9							
*11:78	1		3		5			8								
*11:79	1						7			10						
*11:80	1		3		5		7									
*11:81	1		3		5		7									
*11:82	1						7									
*11:83	1		3		5			8					13	14		
*11:84	1		3		5			8								
*11:85	1		3			6		8								16
*11:86	1			4		6										
*11:87	1		3		5		7						13			
*11:88	1		3		5			8								
*11:89	1				5			8								
*11:92	1		3		5			8								
*11:93	1		3				7									
*11:94	1		3		5		7				11					
*01:03, 04:14, 08:40, 13:67, 13:74																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

*01:15, 01:24, 04:38, 04:82, 04:86, 07:01:01-07:01:03, 07:03-07:04, 07:06- 07:17, 08:03:02, 08:14-08:15, 08:18- 08:19, 08:23, 08:25, 08:27, 08:29- 08:30:02, 08:32- 08:38, 15:02:01- 15:02:07, 15:11, 15:14, 15:19, 15:26, 15:29-15:30, 15:38- 15:39, 15:44, 16:05:01-16:05:02, 16:07, <i>DRB3*02:11</i> , <i>DRB5*01:07</i> , <i>DRB5*01:11</i> ,																
*01:23, 04:12, 04:18, 04:25, 04:36, 04:53, 04:58, 08:04:01, 08:04:04-08:04:05, 08:06, 08:10, 08:12, 08:22, 12:01:01- 12:01:03, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:21, 14:15, 14:73, 15:21, 16:15																
*03:02:01-03:03, 03:06, 03:27, 03:31, 03:38, 03:41, 13:07:01-13:07:02, 13:26, 13:49, 14:02, 14:06:01-14:06:02, 14:09, 14:13, 14:18- 14:19, 14:47-14:48, 14:51, 14:80-14:81,														14		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*03:04, 03:21, 03:30, 14:65																
*03:08	1							8	9	10			13			
*03:10																
*03:17, 14:59														14		
*03:20											11					
*03:26														14		16
*03:33, 03:44																16
*03:35, 14:05:01-14:05:03, 14:14, 14:20, 14:23:01-14:23:03, 14:36, 14:43-14:45, 14:56, 14:91, 14:94														14		
*03:37																
*03:43																16
*04:02, 04:37, 13:17, 14:57, 15:10																
*04:15			3		5			8								
*04:61					5		7			10						
*08:17, 12:16, 13:05:01-13:05:02, 13:14:01-13:14:03, 13:21:01-13:21:02, 13:46, 13:50:01-13:50:02, 16:09																
*08:20														14		
*08:28, 12:02:01-12:02:04, 12:13, 12:15, 12:18-12:20, 13:11:01-13:11:02, 13:42																
*08:31		2	3		5			8								
*12:04		2			5			8								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

[illegible]

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*13:34				4												16
*13:43											11					
*13:45				4												
*13:47, 13:55, 14:25, 14:27, 14:58, 14:89														14		
*13:57, 13:83, 13:87				4												
*13:58				4							11			14		
*13:60											11			14		
*13:62																16
*13:63																
*13:64, 13:68				4												16
*13:81				4							11			14		
*13:88											11			14		
*14:01:01-14:01:03, 14:07:01-14:08, 14:22, 14:26, 14:32:01-14:32:02, 14:34, 14:38-14:39, 14:49, 14:54-14:55, 14:60, 14:62, 14:70, 14:75, 14:82, 14:87- 14:88, 14:90, 14:92N														14		
*14:03:01, 14:69, 14:85											11			14		
*14:03:02											11					
*14:11		2			5			8		10					15	
*14:12											11			14		
*14:16				4										14		
*14:24														14		
*14:29											11			14		
*14:35, 14:72																
*14:37														14		
*14:40											11			14		

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	175	65	200	85	80	125	125	85	65	160	95	70	145	60	110
PCR product(s)									115	85	200	145	105		105	255
										120	255	185				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<i>*14:41, DRB3*01:14</i>														14		16
<i>*14:53</i>																
<i>*14:74, 14:84</i>											11			14		
<i>*14:77</i>											11			14		16
<i>*14:78</i>				4										14		
<i>*14:86</i>														14		
<i>*14:96</i>														14		
<i>*14:97</i>														14		16
<i>*14:98</i>											11			14		
<i>*14:99</i>											11			14		
<i>*16:16</i>					5		7									
<i>DRB3*02:18</i>							7			10		12				
<i>DRB5*01:13</i>			3		5		7									
DRB1 allele ⁴																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

[illegible]

					5' -TTT 3' 81(330)											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec. PCR product(s)
		225	145	175	170		250		160							
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																DRB1 allele ⁴
													30			*11:01:01-11:01:11
											28					*11:02:01-11:02:02
											28		30			*11:03
													30	31		*11:04:01-11:04:03, 11:04:05
								25					30	31		*11:04:04
													30			*11:05
							24						30	31		*11:06:01-11:06:02
	18															*11:07
																*11:08:01-11:08:02
								25	26				30			*11:09
			20					25	26				30			*11:10:01-11:10:02
										27			30			*11:11:01-11:11:02
			20										30			*11:12:01
			20					25					30			*11:12:02
			20					25	26						32	*11:13:01-11:13:02
										27		29				*11:14:01-11:14:02
					22								30			*11:15
								25	26		28					*11:16
17			20					25	26						32	*11:17
														31		*11:18
												29				*11:19:01-11:19:02
								25	26	27		29				*11:20
							24				28					*11:21
				21				25					30			*11:22
17		19											30			*11:23
													30			*11:24, 11:91 ⁵
17		19											30	31		*11:25
																*11:26
	18												30			*11:27:01-11:27:02
								25					30			*11:28:01
								w					30			*11:28:02
			20										30			*11:29
													30			*11:30
		19										29				*11:31
		19											30			*11:32
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225	145	175	170		250		160							PCR product(s)
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
					22								30			*11:33
																*11:34
					22								30	31		*11:35
											28					*11:36
																*11:37
						23							30	31		*11:38
							24						30			*11:39
								25	26		28		30			*11:40
											28					*11:41
														31		*11:42
							24						30	31		*11:43
			20										30	31		*11:44
17		19										29				*11:45
								25	26				30	31		*11:46
			20				24						30	31		*11:47
											28					*11:48
			20										30			*11:49
			20				24							31		*11:50
													30		32	*11:51
17		19	20					25	26						32	*11:52
17																*11:53
17													30	31		*11:54:01-11:54:02
17		19									28		30			*11:55
														31		*11:56
							24							31		*11:57
								25					30	31		*11:58:01-11:58:02
				21				25	26		28		30			*11:59
													30	31		*11:60
													30			*11:61, 11:90 ⁶
									26				30			*11:62
			20								28		30			*11:63
17		19														*11:64
					22						28					*11:65:01-11:65:02
													30			*11:66
17													30	31		*11:67
										27						*11:68
					22											*11:69
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225	145	175	170		250		160							PCR product(s)
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
		19									28					*11:70
				21									30			*11:72
										27		29				*11:73
													30			*11:74
													30			*11:75
											28		30			*11:76
													30	31		*11:77
									26				30	31		*11:78
																*11:79
				21					26				30			*11:80
					22		24						30			*11:81
					22							29				*11:82
				21				25	26					31		*11:83
	18												30	31		*11:84
			20								28		30			*11:85
		19														*11:86
				21				25	26				30			*11:87
			20											31		*11:88
17															32	*11:89
				21									30	31		*11:92
										27			30			*11:93
					22								30			*11:94
										27		29				*01:03, 04:14, 08:40, 13:67, 13:74
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225	145	175	170		250		160							PCR product(s)
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

												29				*01:15, 01:24, 04:38, 04:82, 04:86, 07:01:01-07:01:03, 07:03-07:04, 07:06- 07:17, 08:03:02, 08:14-08:15, 08:18- 08:19, 08:23, 08:25, 08:27, 08:29- 08:30:02, 08:32- 08:38, 15:02:01- 15:02:07, 15:11, 15:14, 15:19, 15:26, 15:29-15:30, 15:38- 15:39, 15:44, 16:05:01-16:05:02, 16:07, <i>DRB3*02:11</i> , <i>DRB5*01:07</i> , <i>DRB5*01:11</i> ,
														31		*01:23, 04:12, 04:18, 04:25, 04:36, 04:53, 04:58, 08:04:01, 08:04:04-08:04:05, 08:06, 08:10, 08:12, 08:22, 12:01:01- 12:01:03, 12:03:02, 12:05-12:12, 12:14, 12:17, 12:21, 14:15, 14:73, 15:21, 16:15
																*03:02:01-03:03, 03:06, 03:27, 03:31, 03:38, 03:41, 13:07:01-13:07:02, 13:26, 13:49, 14:02, 14:06:01-14:06:02, 14:09, 14:13, 14:18- 14:19, 14:47-14:48, 14:51, 14:80-14:81,
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225	145	175	170		250		160							PCR product(s)
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
			20													*03:04, 03:21, 03:30, 14:65
	18			21				25	26							*03:08
		19														*03:10
							24									*03:17, 14:59
							24									*03:20
			20													*03:26
			20													*03:33, 03:44
			20													*03:35, 14:05:01- 14:05:03, 14:14, 14:20, 14:23:01- 14:23:03, 14:36, 14:43-14:45, 14:56, 14:91, 14:94
							24									*03:37
																*03:43
										28						*04:02, 04:37, 13:17, 14:57, 15:10
				21										31		*04:15
				21												*04:61
													30			*08:17, 12:16, 13:05:01-13:05:02, 13:14:01-13:14:03, 13:21:01-13:21:02, 13:46, 13:50:01- 13:50:02, 16:09
		19												31		*08:20
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														31		*08:31
								25						31		*12:04
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225	145	175	170		250		160							PCR product(s)
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
											28					*13:01:01-13:01:06, 13:04, 13:10, 13:15, 13:22, 13:27-13:28, 13:35, 13:51-13:52, 13:59, 13:61, 13:69, 13:79-13:80, 13:91- 13:93, 13:98
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										27		29				*13:03:01-13:03:05, 13:33:01-13:33:03, 13:36-13:38, 13:65, 13:85, 13:90, 13:95
														31		*13:06, 13:77
			20								28					*13:08, 13:19, 13:72, 13:76, 13:84
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		19										29				*13:13, 14:63, 14:67
		19														*13:16
		19											30	31		*13:18
											28					*13:20, 13:71, 13:78
											28		30			*13:24, 13:54, 13:75
																*13:25, 13:56
										27						*13:29
												29				*13:30, 13:66:02, 13:82
											28					*13:32, 13:40, 13:48, 13:53, 13:70, 13:89, 13:94

[illegible]

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225	145	175	170		250		160							PCR product(s)
		260			215											
					245											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*14:41, DRB3*01:14
		19											30			*14:53
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		19												31		*14:78
		19	20				24									*14:86
			20				24									*14:96
		19	20													*14:97
		19	20				24									*14:98
								25								*14:99
	18							25								*16:16
																DRB3*02:18
																DRB5*01:13
																DRB1 allele ⁴
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.