

DR low resolution SSP typing

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*03:42, 03:69	-					5											
*03:46, 03:64	-					5	6										
*03:76	-						6					12				15	
*04:01:01-04:11:02, 04:13-04:17:02, 04:19-04:24, 04:26-04:57, 04:59-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:104, 04:106-04:121, 04:123-04:124	DR4, Null, -								8								
*04:12, 04:18, 04:25, 04:58	DR4, -								8								
*04:62, 04:69, 04:73, 04:105:01-04:105:02, 04:122	-								8								
*07:01:01-07:01:04, 07:03-07:22	DR7, Null, -									9							
*08:01:01-08:02:04, 08:05, 08:16, 08:24, 08:26, 08:39, 08:42-08:44	DR8, -									10							16
*08:03:02-08:03:03, 08:13, 08:18, 08:23, 08:27, 08:29-08:30:03, 08:33, 08:36:01, 08:38, 08:46-08:49	DR8, -									10							
*08:04:01, 08:04:04-08:04:05, 08:04:07, 08:06, 08:22	DR8, -									10							16
*08:04:02-08:04:03	DR8									10							16
*08:04:06	-									10							16
*08:07, 08:11	DR8									10							16
*08:08	-									10							16
*08:09	DR8									10							16
*08:10, 08:12, 08:14	DR8									10							
*08:15, 08:19, 08:25, 08:34	-									10							
*08:17	DR8									10							16
*08:20	-															15	16
*08:21	-									10						15	16
*08:28	-									10							16
*08:31, 08:41	DR11(5), -									10			13				16
*08:32	-									10				14			
*08:35	-									10							
*08:37, 08:45	-									10							
*08:40	-						6			10							
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele ²	ser ³																
*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:19	DR9, -											11					

*09:01:06, 09:03	DR9, -											11					
*10:01:01-10:04	DR10, -											12					
*11:01:01-11:01:06, 11:01:08-11:01:16, 11:04:01-11:04:10, 11:06:01-11:06:03, 11:09-11:10:02, 11:12:01-11:12:02, 11:15, 11:24, 11:27:01-11:29, 11:32-11:33, 11:35, 11:38-11:39, 11:43-11:44, 11:46:01-11:47, 11:49:01-11:49:02, 11:51, 11:54:01-11:54:02, 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, 11:84:01-11:84:02, 11:90-11:92, 11:94-11:95, 11:97, 11:99-11:102:02, 11:106, 11:108-11:117, 11:120-11:121, 11:123, 11:126, 11:128-11:129	DR11(5), -												13		15	16	
*11:01:07, 11:30, 11:37:01-11:37:02, 11:50, 11:56, 11:88	DR11(5), -													13		15	16
*11:02:01-11:03, 11:11:01-11:11:02, 11:14:01-11:14:02, 11:21, 11:36, 11:63, 11:65:01-11:65:02, 11:68, 11:70, 11:76, 11:85-11:86, 11:93, 11:124, 11:127	DR11(5), -						6							13		15	16
*11:05	DR11(5)													13			16
*11:07, 11:53, 11:103, 11:105, 11:125	DR11(5), -						5					11		13			
*11:08:01-11:08:02, 11:18-11:19:03, 11:42, 11:57	DR11(5), -													13		15	
*11:13:01-11:13:02	DR11(5)							w						13			
*11:16, 11:20, 11:40, 11:118, 11:122	DR11(5), DR13 (6), -						6							13		15	16
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele ²	ser ³																
*11:17, 11:52	DR11(5), -													13			
*11:22, 11:104	-													13			
*11:23	DR11(5)													13		15	16
*11:25	DR11(5)													13		15	16
*11:26, 11:34	DR11(5), -							7						13			

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*13:47	-															15	16
*13:49, 13:108	-															15	16
*13:55	-															15	16
*13:60	-															15	
*13:66:01-13:66:02	DR13(6), -					6										15	
*13:67, 13:103	-															15	16
*13:70	-					6										15	16
*13:85	-					6	7									15	
*13:93, 13:139	-					6										15	16
*13:116	-					6											16
*13:119	-															15	
*13:120	-					6										15	
*13:122	-					6										15	
*13:129	-					6						12					16
*13:137N	Null					6										15	
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele ²	ser ³																
*14:01:01-14:01:02, 14:04, 14:07:01-14:07:02, 14:10, 14:26, 14:28, 14:31, 14:38-14:39, 14:50, 14:54:01, 14:55, 14:60-14:62, 14:70-14:71, 14:75, 14:86-14:88, 14:90, 14:99, 14:101, 14:110, 14:112-14:114, 14:117-14:118, 14:120, 14:122, 14:124-14:125	DR14(6), DR1404, -																
*14:01:03, 14:08, 14:23:02, 14:34, 14:54:02, 14:92N, 14:97	DR14(6), Null, -																
*14:02, 14:06:01-14:06:02, 14:09, 14:29, 14:47-14:48, 14:51, 14:80, 14:83, 14:106, 14:108, 14:121	DR14(6), -							7									
*14:03:01-14:03:02, 14:40, 14:67, 14:77, 14:102, 14:115	DR1403, -							7								15	
*14:05:01-14:05:03, 14:14, 14:23:01, 14:23:03, 14:36, 14:43- 14:45, 14:56, 14:59, 14:91, 14:96, 14:100, 14:103, 14:123, 14:127	DR14(6), -																
*14:11	DR14(6)									10							
*14:12:01-14:12:02	DR14(6), -							7								15	
*14:13	DR14(6)							7									
*14:15	DR8									10							16

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*15:01:01:01-15:09, 15:11-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:65, 15:67-15:77	DR15(2), DR2, Null, -			3														
*15:10	-			3														
*15:21	-			3														
*15:25	-			3		5												
*15:27, 15:34, 15:66	-			3														
*16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19	DR16(2), DR2, Null, -				4													
*16:04, 16:18	DR16(2), -				4													
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
DRB1 allele ²	ser ³																	
DRB3*01:01:02:01-01:15, DRB3*02:01:02:26, 02:28-02:29N, DRB3*03:01:01-03:03	DR52, Null, -																	
DRB3*02:27	-															15		
DRB4*01:01:01:01-01:03:01:01, 01:03:01:03-01:08	DR53, -																	
DRB4*01:03:01:02N	Null																	
DRB5*01:01:01-01:14, DRB5*02:02-02:06	DR51, Null, -																	
Well No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

INTERPRETATION TABLE																																	
DR low resolution SSP typing																																	
Amplification patterns of the DRB1*01:01 to DRB1*10:04 alleles																																	
Well ⁴																																	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																		
175	100	110	110	165	75	135	170	150	145	145	140	160	215	175	Neg. Control		Length of spec.																
	140	140	175		175					215		240					PCR product(s)																
	155	170	225																														
430	430	430	430	430	430	430	430	430	430	430	430	430	430	430			Length of int. pos. control ¹																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.																
																ser ³	DRB1 allele ²																
																DR1, Null, -	*01:01:01-01:02:08, 01:04-01:38, 01:40N-01:41, 01:43-01:49																
																DR103, Null	*01:03, 01:39N																
																-	*01:42																
17									26							Neg. Control	DR17(3), DR3, Null, -	*03:01:01-01:03:01:20, 03:04:01-03:05:03, 03:09, 03:11:01, 03:13:01-03:16, 03:18-03:20, 03:22-03:23, 03:25, 03:28, 03:30, 03:33-03:34, 03:36-03:37, 03:43-03:45, 03:47-03:48, 03:50-03:52, 03:54-03:59, 03:61-03:63, 03:66-03:68N, 03:70-03:73, 03:77-03:79, 03:81, 03:83-03:84															
17																	DR18(3), -	*03:02:01-03:03, 03:27, 03:38, 03:53, 03:74															
17																	DR3, -	*03:06, 03:26, 03:31, 03:60, 03:75, 03:80, 03:82															
17									26								DR3, -	*03:07, 03:21, 03:24, 03:32, 03:39 03:40, 03:49															
									26								-	*03:08, 03:65															
		19	20						26								DR17(3)	*03:10															
17							24		26								DR3	*03:12															
17									26								-	*03:17, 03:35, 03:41															
17									26								-	*03:29															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		DR	Well No.															
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		DR	Well No.															
																	ser ³	DRB1 allele ²															

															-	*03:42, 03:69	
									26						-	*03:46, 03:64	
17									26		28				-	*03:76	
															DR4, Null, -	*04:01:01-04:11:02, 04:13-04:17:02, 04:19-04:24, 04:26-04:57, 04:59-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:104 04:106-04:121, 04:123-04:124	
					22										DR4, -	*04:12, 04:18, 04:25, 04:58	
18															-	*04:62, 04:69, 04:73, 04:105:01-04:105:02, 04:122	
															DR7, Null, -	*07:01:01:01-07:01:04, 07:03-07:22	
					21										DR8, -	*08:01:01-08:02:04, 08:05, 08:16, 08:24, 08:26, 08:39, 08:42-08:44	
					21										DR8, -	*08:03:02-08:03:03, 08:13, 08:18, 08:23, 08:27, 08:29-08:30:03, 08:33, 08:36:01, 08:38, 08:46-08:49	
					21	22									DR8, -	*08:04:01, 08:04:04-08:04:05, 08:04:07, 08:06, 08:22	
					21	w									DR8	*08:04:02-08:04:03	
						22									-	*08:04:06	
18															DR8	*08:07, 08:11	
															-	*08:08	
			20		21					27					DR8	*08:09	
					21	22									DR8	*08:10, 08:12, 08:14	
															-	*08:15, 08:19, 08:25, 08:34	
					21		23								DR8	*08:17	
17			20			22				27					-	*08:20	
			20		21					27					-	*08:21	
					21	22	23								-	*08:28	
															DR11(5), -	*08:31, 08:41	
															-	*08:32	
			20		21										-	*08:35	
			20		21					27					-	*08:37, 08:45	
					21		23								-	*08:40	
					21										-		
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
																ser ³	DRB1 allele ²
		19														DR9, -	*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:19

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															-	*11:41, 11:48	
			20						26	27					-	*11:45, 11:64	
			20						26	27					-	*11:55	
								25	26						-	*11:59	
					22	23									-	*11:67	
18									26						-	*11:69, 11:82	
									26						-	*11:73, 11:79	
									26						-	*11:80, 11:87	
															-	*11:83	
			20						26	27					-	*11:89	
			20						26						-	*11:96	
									26						-	*11:98	
															-	*11:107	
			20		22				26	27					-	*11:119	
						23									DR12(5), Null, -	*12:01:01-12:01:04, 12:03:02- 12:03:03, 12:05-12:08, 12:10- 12:12, 12:14, 12:17, 12:24N- 12:25, 12:28-12:30, 12:34-12:36	
						23									DR12(5), Null, -	*12:02:01-12:02:05, 12:13, 12:15, 12:18-12:20, 12:23, 12:26-12:27, 12:31N-12:33	
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				21		23									-	*12:09	
						23									-	*12:16:01	
															-	*12:21	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
																ser ³	DRB1 allele ²
17								25	26							DR13(6), Null, -	*13:01:01-13:01:08, 13:01:10- 13:02:01, 13:02:03-13:02:07, 13:16, 13:20, 13:28-13:29, 13:31, 13:34, 13:39, 13:51-13:52, 13:59, 13:61:01-13:61:02, 13:63-13:64, 13:68-13:69, 13:73-13:74, 13:78- 13:80, 13:83, 13:87, 13:91-13:92, 13:96:01-13:97:01, 13:98-13:99, 13:102, 13:105-13:107, 13:109, 13:111-13:114, 13:117, 13:121, 13:123-13:128, 13:130-13:131, 13:138, 13:140-13:142N

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17							24									-	*13:49, 13:108
17			20				24			27						-	*13:55
17																-	*13:60
17							24		26							DR13(6),	*13:66:01-13:66:02
								25								-	*13:67, 13:103
17																-	*13:70
17											28					-	*13:85
17							24	25	26							-	*13:93, 13:139
				21												-	*13:116
17			20						26	27						-	*13:119
17							24				28					-	*13:120
							24									-	*13:122
17									26							-	*13:129
17									26							Null	*13:137N
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
																ser ³	DRB1 allele ²
	18	19	20							27						DR14(6), DR1404, -	*14:01:01-14:01:02, 14:04, 14:07:01-14:07:02, 14:10, 14:26, 14:28, 14:31, 14:38-14:39, 14:50, 14:54:01, 14:55, 14:60-14:62, 14:70-14:71, 14:75, 14:86-14:88, 14:90, 14:99, 14:101, 14:110, 14:112-14:114, 14:117-14:118, 14:120, 14:122, 14:124-14:125
		19	20							27						DR14(6), Null, -	*14:01:03, 14:08, 14:23:02, 14:34, 14:54:02, 14:92N, 14:97
17		19									28					DR14(6), -	*14:02, 14:06:01-14:06:02, 14:09, 14:29, 14:47-14:48, 14:51, 14:80, 14:83, 14:106, 14:108, 14:121
17			20							27						DR1403, -	*14:03:01-14:03:02, 14:40, 14:67, 14:77, 14:102, 14:115
17		19	20							27						DR14(6), -	*14:05:01-14:05:03, 14:14, 14:23:01, 14:23:03, 14:36, 14:43- 14:45, 14:56, 14:59, 14:91, 14:96, 14:100, 14:103, 14:123, 14:127
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17			20		22					27						DR14(6), -	*14:12:01-14:12:02
17		19					24				28					DR14(6)	*14:13
			20	21	22					27						DR8	*14:15

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17		19						26		28					DR6, -	*14:17, 14:30, 14:33	
17		19	20						27						DR6, -	*14:18, 14:81	
17		w								28					DR14(6), -	*14:19, 14:109	
17		19													DR14(6), -	*14:20, 14:41, 14:94	
17		w						26		28					DR14(6)	*14:21	
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17															-	*14:24	
	18		20												-	*14:25	
17			20						27						DR14(6)	*14:27	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DR	Well No.
																ser ³	DRB1 allele ²
	18	19	20							27						-	*14:32:01-14:32:02
	18	19	20						26	27						-	*14:35
17	18															-	*14:37
17			20						26	27						-	*14:42
		19									28					-	*14:46
	18	19	20													DR14(6), -	*14:49, 14:119
		19		21							28					-	*14:52
	18		20						26							DR13(6)	*14:53
	18	19	20					25								-	*14:57
	18		20							27						-	*14:58
17			20				24			27						-	*14:63, 14:85
17		19	20						26	27						-	*14:64
17		19	20				24		26	27						-	*14:65
	18	19	20							27						-	*14:68, 14:93
	18		20													-	*14:69
		19	20						26	27						-	*14:72
	18	19	20													-	*14:73
	18	19	20													-	*14:74
	18	19	20													-	*14:76, 14:79, 14:104, 14:107, 14:111
17			20		22		24			27						-	*14:78
	18	19	20							27						-	*14:82
17			20		22					27						-	*14:84
17			20							27						-	*14:89
17		19	20						26	27						-	*14:95
17																-	*14:98
17			20							27						-	*14:116
		19	20	21						27						-	*14:126

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