

Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
DRB1 allele ^{1,2}	ser ³																								
*01:01:01-01:02:13, 01:04-01:38, 01:40N-01:41, 01:43-01:60, 01:62N-01:88, 01:90-01:98, 01:100	DR1, -, Null	1																							
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*01:42, 01:61, 01:89	-	1	2																						
*03:01:01-01:03:01:05, 03:01:07-03:01:08, 03:01:10-03:01:23, 03:01:25-03:01:28, 03:04:01-03:06, 03:09, 03:11-01:03:16, 03:18-03:20, 03:22-03:23, 03:25-01:03:26, 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, 03:66-03:68N, 03:70-03:73, 03:75, 03:77-03:86, 03:89, 03:91, 03:93, 03:95-03:96, 03:98-03:100:02, 03:104, 03:106-03:110, 03:112-03:114, 03:116-03:118, 03:121-03:124, 03:127-03:129, 03:132-03:139, 03:141-03:149, 03:151-03:153, 03:158	DR17, -, DR3, Null																								
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*03:10	DR3					5	6												19	20					
*03:42, 03:69, 03:87, 03:111	-					5																			
*03:76	-					5	6					12			15		17								
*03:125	-					5	6					12			15	16	17								
*03:126, 14:179 ⁴	-						6	7				12					17		19						
*03:157	-					5	6										17		20						
*04:01:01-01:04:05:11, 04:05:13-04:06:1, 04:63-04:68, 04:70-04:72:02, 04:74-04:104, 04:106-04:121, 04:123-04:145, 04:147-04:210, 04:212N-04:250, 04:252-04:264N, 04:266N-04:272	DR4, -, DR4, DR3, Null								8																
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*04:211	-								8										19						
*04:265	-								8					13											
*07:01:01-01:07:01:22, 07:03-07:05, 07:07-07:101N	DR7, -, Null									9															
*07:06	DR7									9	10														
*08:01:01-08:01:02, 08:01:04-08:01:05, 08:01:07-08:02:04, 08:04:01-08:07, 08:11, 08:16-08:17, 08:22, 08:24:01-08:24:02, 08:26, 08:28, 08:39, 08:42-08:44, 08:50, 08:52, 08:54-08:55, 08:59, 08:64, 08:72-08:73, 08:77-08:79, 08:82-08:86, 08:88-08:90	DR8, -, Null										10					16									
*08:01:06, 08:03:02:01-08:03:09, 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, 08:36:01, 08:37-08:38, 08:45:01-08:49, 08:51, 08:56, 08:58, 08:60N-08:62, 08:65-08:66, 08:68:02-08:69, 08:71, 08:74, 08:76, 08:81	-, DR8, Null										10														
*08:08	DR8										10					16		18							
*08:09	DR8										10					16				20					
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*08:20, 13:18, 13:47, 13:55, 13:158, 13:164, 13:232 ⁴	undefined, DR13, -															15	16	17		20					
*08:21	DR8									10						15	16			20					
*08:31, 11:05, 11:209 ⁴	DR8,													13		16									

Negative Control

*08:32, 08:53	Undefined												10			14				20					
*08:35, 08:36:02	-												10							20					
*08:40	-								6				10												
*08:41, 08:75, 11:67, 11:193:01-11:193:02 ⁴	-												10			13		16							
*08:57, 08:80, 13:248 ⁴	-																	16							
*08:63	-												10			13									
*08:67	-										9							16							
*08:68:01	-												10							w					
*08:70	-												10					16		w					
*08:87	-												10			14	16			w					
*09:01:02:01-09:01:05, 09:01:07-09:02:02, 09:04, 09:06-09:22, 09:24-09:28, 09:30-09:40	DR9, -, Null												11						19						
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*09:05	DR9												11	12					19						
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*10:11	-										9		12												
*10:19	-												12									22			
*11:01:01:01-11:01:17, 11:01:20-11:01:27, 11:01:29-11:01:33, 11:04:01-11:04:16, 11:04:18, 11:06:01-11:06:03, 11:09-11:10:02, 11:12:01-11:12:03, 11:15, 11:24:01-11:24:02, 11:27:01, 11:28:01-11:29:02, 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, 11:60-11:62:02, 11:66:01-11:66:02, 11:72, 11:74:01-11:75, 11:77-11:78, 11:81, 11:84:01, 11:88, 11:90-11:92, 11:94-11:95, 11:97, 11:99-11:102:02, 11:106, 11:108-11:117:02, 11:120-11:121, 11:123, 11:126, 11:128-11:129, 11:133-11:134, 11:137, 11:140-11:141, 11:144-11:147:02, 11:150, 11:152, 11:154-11:158, 11:160, 11:162-11:167, 11:169N-11:170, 11:172, 11:174-11:175, 11:177-11:181, 11:183, 11:185-11:190, 11:192, 11:194-11:201, 11:203-11:208, 11:210-11:212, 11:214-11:228, 11:230, 11:232, 11:234-11:236, 11:238-11:240, 11:243-11:247, 11:249-11:250N, 11:252-11:254	DR11, -, Null															13		15	16						
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*11:01:28	-															13		?	16						
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*11:03:04	-					6										13		15	16	17					
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*11:04:17, 11:149	-													13		15	16	17							
*11:07:01-11:07:02, 11:103:01-11:103:02, 11:105, 11:107, 11:125, 11:173	DR11, -					5						11		13											
*11:13:01-11:13:02	DR11							w						13				17		19	20				
*11:17, 11:202	DR14, -													13				17		19	20				
*11:22, 11:53, 11:98, 11:104, 11:143	Undefined													13											
*11:23:01-11:23:02, 11:25, 11:96, 11:148	DR11, -													13		15	16				20				
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*11:27:02-11:27:03, 11:84:02-11:84:03	DR11, -					5								13		15	16								
*11:30	DR11				4									13		15	16								
*11:31, 11:45, 11:64, 11:119	DR11, -													13		15					20				
*11:52	DR11													13					19	20					
*11:55	DR11													13			16				20				

Negative Control

Negative Control

*11:59, 11:80, 11:83, 11:87, 11:135, 11:142, 11:182	DR11, -						6					12	13	15	16										
*11:69, 11:82	-												13		16	18									
*11:73, 11:79, 11:131-11:132, 11:153, 11:184	-						6						13	15											
*11:89, 11:159	-												13					20							
*11:124:02	-					5	6						13	15	16										
*11:136	-					5							13												
*11:229	-					6			9				13		16										
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*12:02:01:01-12:02:09, 12:13, 12:15, 12:18-12:19, 12:21, 12:23, 12:26-12:27, 12:31N-12:33, 12:37, 12:42-12:45, 12:49-12:52, 12:55-12:56, 12:60N-12:61, 12:64-12:65, 12:67, 12:69, 12:71, 12:74N-12:75	DR12, -, Null													14		16									
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*12:20	-													14		16	17								
*12:22	-								9	10				14											
*12:39	-									10				14											
*12:57	-				4										15	16									
*12:66	-													14			19								
*12:73	-					6			9					14		16									
*13:01:01:01-13:02:01:03, 13:02:03-13:02:17, 13:04, 13:08, 13:16, 13:20, 13:22:01-13:24, 13:28:01-13:29, 13:31-13:32, 13:34-13:36, 13:38-13:40, 13:48, 13:51-13:52, 13:54, 13:59, 13:61:01, 13:63-13:65, 13:68-13:70, 13:72-13:76, 13:78-13:80, 13:83-13:84, 13:87, 13:91-13:93, 13:96:02-13:99, 13:102, 13:105-13:107, 13:109, 13:111-13:114, 13:117, 13:121, 13:123-13:128, 13:130-13:131, 13:135, 13:138-13:143, 13:145, 13:147-13:149, 13:153, 13:155, 13:162, 13:166, 13:168, 13:171:02, 13:173, 13:177, 13:182, 13:184-13:187, 13:190, 13:200N-13:202, 13:204-13:205, 13:207-13:209, 13:212-13:213, 13:215, 13:218, 13:221, 13:223, 13:225-13:226, 13:230, 13:233-13:234, 13:236-13:245, 13:247, 13:249N-13:252N, 13:254-13:276, 13:278Q-13:279	DR13, -, DR11, DR14, Undefined, Null					6									15	16	17								
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*13:02:02	DR13					6											17								
*13:03:01-13:03:09, 13:10, 13:33:02-13:33:03, 13:37, 13:66:01-13:66:02, 13:81, 13:88-13:90, 13:94:02-13:95, 13:101, 13:115, 13:120, 13:133, 13:137N, 13:151-13:152, 13:167, 13:170, 13:172, 13:174, 13:178, 13:180, 13:188, 13:194, 13:196, 13:216, 13:219, 13:227, 13:253	DR13, -, Null					6										15		17							
*13:05:01-13:05:03, 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, 13:49-13:50:03, 13:62, 13:100, 13:108, 13:132, 13:136, 13:150, 13:169, 13:189, 13:199, 13:203, 13:229, 13:246	DR13, -, DR13, DR11, DR6															15	16	17							
*13:06, 13:12:01-13:12:04, 13:25, 13:30, 13:56, 13:58, 13:60, 13:77, 13:82, 13:110, 13:118, 13:134, 13:157, 13:161, 13:163, 13:181, 13:220, 13:224, 13:231	DR13, -, DR11, Undefined, DR6															15		17							
*13:09, 13:183, 13:192, 13:210-13:211, 13:222	DR13, -																16	17							
*13:13, 13:119, 13:154, 13:156, 14:84, 14:116, 14:144 ⁴	DR13, -															15		17		20					
*13:15, 13:19, 13:53, 13:57, 13:104, 13:198	DR13, -					6	7									15	16	17							
*13:17, 13:116, 13:175, 13:214	DR13, -					6			9								16								
*13:26:01-13:26:02	DR14, -						7									15	16	17							

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*13:43, 13:159, 13:179, 13:191, 13:217	DR13, -							6								15	16			19	20				
*13:44, 13:86, 13:206, 14:183 ⁴	Undefined								7									17							
*13:45	DR13							6								15	16		18		20				
*13:61:02, 13:96:01	-						5	6								15	16	17							
*13:67, 13:103, 13:160, 13:195	DR13, -															15	16								
*13:85	-							6	7							15		17							
*13:122	-							6								15									
*13:129	-							6					12				16	17							
*13:144	-							6								15	16	17			20				
*13:146	-																16	17			20				
*13:165	-							6								15	16								
*13:171:01	-							6				10				15	16			19	20				
*13:176	-							6					12			15		17							
*13:193	-							6	7								17		19						
*13:197	-											10				15	16		18		20				
*13:228	-															15									
*13:235, 14:98 ⁴	-								7							15		17							
*14:01:01, 14:04:01, 14:04:04-14:04:06, 14:07:01, 14:10, 14:54:01:01-14:54:01:04, 14:54:03, 14:54:05-14:54:06, 14:57, 14:137N, 14:152N, 14:191-14:192, 14:196-14:197N, 14:199, 14:201-14:202, 14:204-14:205, 14:207, 14:210Q	DR14, DR1404, DR14, -, DR4, DR6, Null																	17	18	19	20				
*14:01:02, 14:01:04, 14:04:02-14:04:03, 14:07:02, 14:26, 14:28, 14:31, 14:32:03, 14:35, 14:38:01, 14:39, 14:55, 14:60-14:62, 14:70- 14:71, 14:75-14:76, 14:79, 14:86-14:88, 14:90, 14:99, 14:101, 14:107, 14:110, 14:112-14:114, 14:117-14:118, 14:124-14:125, 14:129, 14:131, 14:138-14:140, 14:142-14:143, 14:145, 14:147, 14:149-14:151, 14:153, 14:157-14:158, 14:163- 14:164, 14:166N, 14:172, 14:180, 14:182, 14:184, 14:189-14:190, 14:203	DR14, -, Null																	?	18	19	20				
*14:01:03, 14:23:02, 14:34, 14:72, 14:92N, 14:97, 14:126:01-14:126:02, 14:130, 14:133, 14:148, 14:162, 14:175, 14:185	DR14, -, Null																	?		19	20				
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		

*14:45	DR14					6											17	19	20						
*14:46	DR14																	19							
*14:49, 14:119, 14:146	DR14, -					7											?	18	19	20					
*14:50	DR14								9								?	18	19	20					
*14:52	DR14													14			?		19						
*14:53	DR13, 14														15	16		18		20					
*14:54:04	-																17	18	w	20					
*14:54:07	-																	18	19	20					
*14:58, 14:186	DR14, -																?	18		20					
*14:65	DR6					w											17		19	20					
*14:68:01-14:68:02, 14:93	DR14, -								10								?	18	19	20					
*14:69	-														15		?	18		20					
*14:73	-															16	?	18	19	20					
*14:74, 14:173	-														15		?	18	19	20					
*14:82	-					6						12					17	18	19	20					
*14:89	-						7										17			20					
*14:95	-					6						12					17		19	20					
*14:120, 14:122, 14:178	-					6											?	18	19	20					
*14:132	-					6						12					?		19	20					
*14:141	-																17				21				
*14:168	-																?	w	19	20					
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Well No.	DR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*14:171	-					5												17	18	19	20				
*14:200	-							7												19	20				
*14:208	-																	18		20					
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*15:27, 15:34, 15:54, 15:66:01-15:66:02, 15:122	-			3															19						
*15:141	-			3																		22			
*15:158	-			3															19	w					
*15:167	-			3														18							
*16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19-16:56	DR16, -, Null				4																				
*16:04:01-16:04:02, 16:18	DR16, -				4															w					
DRB3*01:01:02:01-01:41, DRB3*01:43-01:62, DRB3*02:01-02:26, DRB3*02:28-02:95N, DRB3*03:01:01:01-03:25	DR52, -, Undefined, Null																					21			
DRB3*01:42	-											11										21			
DRB3*02:27	-														15							21			
DRB4*01:01:01-01:03:01:01, DRB4*01:03:01:03-01:30, DRB4*01:32-01:93, DRB4*02:01N, DRB4*03:01N	DR53, -, Undefined, Null																						22		
DRB4*01:03:01:02N	Null																	18					22		
DRB4*01:31	-																			20			22		
DRB5*01:01:01-01:01:55, DRB5*02:02:01-02:24	DR51, -, Undefined																							23	
Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Negative Control

[illegible]

[illegible]