

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																								
*01:01:01-01:02:12, 01:04-01:38, 01:40N-01:41, 01:43-01:60, 01:62N-01:75	DR1, Null,	1																							
*01:03, 01:39N	DR103/DR1, Null		2																						
*01:42, 01:61	-	1	2																						
*03:01:01:01-03:01:05, 03:01:07-03:01:08, 03:01:10-03:01:23, 03:01:25, 03:04:01-03:06, 03:09, 03:11:01-03:15:01, 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, 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, 03:113-03:114, 03:116-03:118, 03:121-03:124, 03:127-03:129, 03:132	DR17, DR3, Null,					5	6										17								
*03:01:06, 03:01:09, 03:46, 03:64, 03:92, 03:130	DR17, -					5	6																		
*03:01:24, 03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41:02, 03:49, 03:94, 03:97, 03:101, 03:105, 03:120	DR3, -					5												17							
*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53, 03:74, 03:88, 03:90, 03:102-03:103, 03:115, 03:119, 03:131	DR18, DR3, -					5		7										17							
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*03:15:02, 13:02:02 ⁴	- , DR13						6											17							
*03:42, 03:69, 03:87, 03:111	-					5																			
*03:76	-					5	6					12				15		17							
*03:112	-					5	6				11							17							
*03:125	-					5	6					12			15	16		17							
*03:126	-						6	7				12						17	19						
*04:01:01:01-04:05:11, 04:05:13-04:61, 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-04:214N	DR4, DR4/DR3, Null, -								8																
*04:62, 04:69, 04:73, 04:105:01-04:105:02, 04:122, 04:146	DR4, -								8										18						
*04:211	-								8											19					
*07:01:01:01-07:01:19, 07:03-07:70	DR7, Null,									9															
*08:01:01-08:01:02, 08:01:04-08:01:05, 08:02:01-08:02:04, 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, 08:50, 08:52, 08:54-08:55, 08:59, 08:64, 08:72-08:73, 08:77-08:79, 08:82	DR8, Null,										10						16								
*08:01:06, 08:03:02-08:03:06, 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, 08:69, 08:71, 08:74, 08:76, 08:81	DR8, Null,										10														
*08:08	DR8										10						16		18						
*08:09	DR8										10						16				20				
*08:20, 13:18, 13:47, 13:55, 13:158, 13:164 ⁴	DR13, -															15	16	17			20				
*08:21	DR8										10					15	16				20				
*08:31, 08:41, 08:75, 11:67, 11:193 ⁴	DR8/DR11, -										10			13		16									
*08:32, 08:53	-										10				14						20				
*08:35, 08:36:02	-										10										20				
*08:40	-						6				10														
*08:57, 08:80	-																16								
*08:63	-										10			13											
*08:67	-										9						16								
*08:68	-										10										w				
*08:70	-										10						16				w				
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

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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
*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04, 09:06-09:22, 09:24-09:28	DR9, -											11								19					
*09:01:06, 09:03, 09:23, 09:29	DR9, -											11													
*09:05	DR9											11	12							19					
*10:01:01:01-10:01:09, 10:03-10:10, 10:13-10:17	DR10, -										10		12												
*10:02, 10:12	-												12												
*10:11	-									9	10														
*11:01:01:01-11:01:17, 11:01:20-11:01:27, 11:04:01-11:04:13, 11:06:01-11:06:03, 11:09-11:10:02, 11:12:01-11:12:03, 11:15, 11:24, 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, 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, 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	DR11, Null, -													13		15	16								
*11:01:18-11:01:19, 11:08:01-11:08:03, 11:18-11:19:03, 11:42, 11:57, 11:130, 11:191	DR11, -													13		15									
*11:01:28	-													13		?	16								
*11:02:01-11:03:02, 11:11:01, 11:11:03, 11:14:01-11:14:02, 11:16, 11:20-11:21, 11:36, 11:40-11:41, 11:48, 11:63:01-11:63:02, 11:65:01-11:65:02, 11:68, 11:70, 11:76, 11:85-11:86, 11:93, 11:118, 11:122, 11:124, 11:127, 11:138-11:139, 11:151, 11:161, 11:168, 11:171, 11:176	DR11, DR11/DR13, -						6							13		15	16								
*11:05	DR11													13		16									
*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				
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*11:22, 11:53, 11:98, 11:104, 11:143	DR11, -													13											
*11:23:01-11:23:02, 11:25, 11:96, 11:148	DR11, -													13		15	16				20				
*11:26, 11:34	DR11							7						13											
*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				
*11:55	DR11													13		16					20				
*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				
*11:136	-					5								13											
*11:149	-													13		15	16	17							
*11:202	-													13				17		19	20				
*12:01:01:01-12:01:09, 12:03:02-12:03:03, 12:05-12:12, 12:14, 12:17, 12:24N-12:25, 12:28-12:30, 12:34-12:36, 12:38, 12:40-12:41, 12:46-12:48, 12:53-12:54, 12:58-12:59	DR12, Null, -														14										
*12:02:01-12:02:06, 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, 12:50-12:52, 12:55-12:56	DR12, Null, -														14		16								
*12:04, 12:39	DR12, -											10			14										
*12:16:01-12:16:03, 12:49	-											10			14		16								
*12:20	-														14		16	17							
*12:22	-											9	10		14										

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*12:57	-				4											15	16								
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
*13:01:01:01-13:02:01, 13:02:03-13:02:12, 13:04, 13:08, 13:16, 13:20, 13:22-13:24, 13:28-13:29, 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	DR13, -, DR11, DR14, Null, -					6										15	16	17							
*13:03:01-13:03:06, 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	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	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	DR13, DR11, DR6, -															15		17							
*13:09, 13:183, 13:192, 13:210-13:211	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							
*13:27, 13:41, 13:71	DR13						6					12			15	16	17								
*13:33:01, 13:94:01	DR13, -					5	6									15	17								
*13:43, 13:159, 13:171:01, 13:179, 13:191, 13:217	DR13, -						6									15	16			19	20				
*13:44, 13:86, 13:206	-							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								
*13:176	-						6					12				15		17							
*13:193	-						6	7										17		19					
*13:197	-															15	16		18		20				
*13:220	-																	17							
*14:01:01, 14:04:01, 14:07:01, 14:10, 14:54:01, 14:54:03, 14:54:05, 14:57, 14:137N, 14:152N	DR14, DR1404/DR14, DR4/DR6, Null, -																		17	18	19	20			

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*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, 14:104, 14:107, 14:110-14:114, 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	DR14, Null, -																		?	18	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
*14:01:03, 14:23:02, 14:34, 14:72, 14:92N, 14:97, 14:126:01-14:126:02, 14:130, 14:133, 14:162, 14:175	DR14, Null, -																		?		19	20			
*14:02:01-14:02:02, 14:06:01-14:06:03, 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, 14:121, 14:159, 14:165, 14:170, 14:176-14:177	DR14, DR6, -							7											17		19				
*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, 14:135, 14:156, 14:174	DR1403/D R14, DR6, -							7								15			17			20			
*14:05:01-14:05:04, 14:08, 14:14, 14:23:01, 14:23:03-14:23:04, 14:36, 14:43-14:44:03, 14:54:02, 14:56, 14:59, 14:64, 14:91, 14:96, 14:100, 14:103, 14:123, 14:127:01-14:127:02, 14:134, 14:155, 14:167, 14:169	DR14, -																		17		19	20			
*14:11	DR14										10								17		19	20			
*14:15	DR8										10						16		?			20			
*14:16	DR6						6									15	16		?	18	19	20			
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*14:19, 14:21, 14:109	DR14, -						6	7								15			17		w				
*14:22, 14:105	DR14, -															15	16		?	18	19	20			
*14:24	DR14							7										16	17						
*14:25, 14:53, 14:128	DR6, DR13/14, -															15	16		?	18		20			
*14:27	DR14							7								15	16		17			20			
*14:32:01-14:32:02	DR14							w											?	18	19	20			
*14:37	DR14																16		17	18					
*14:38:02	-					5													?	18	19	20			
*14:42, 14:136, 14:161	-																		17			20			
*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					
*14:54:04	-																		17	18	w	20			
*14:58	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			
*14:98	-							7									15		17						
*14:120, 14:122, 14:178	-						6												?	18	19	20			
*14:132	-						6						12						?			19	20		
*14:141	-																		17				21		
*14:148	-										10								?		19	20			
*14:168	-																		?	w		20			
*14:171	-						5												17	18	19	20			
*15:01:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:36, 15:37:02-15:65, 15:67-15:99, 15:101-15:103, 15:105-15:121, 15:123-15:137N	DR15, DR2, Null, -			3																					
*15:21	DR2			3																		w			

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*15:25, 15:37:01, 15:100, 15:104	-			3	5																					
*15:27, 15:34, 15:66:01-15:66:02	-			3																						
*15:122	-			3																						
*16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19-16:41N	DR16, Null, -				4																					
*16:04, 16:18	DR16, -				4																					
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	
<i>DRB3*01:01:02:01-01:39, DRB3*02:01-02:26, DRB3*02:28-02:31:02, DRB3*02:33-02:54, DRB3*03:01:01-03:01:03, DRB3*03:01:05-03:11</i>	DR52, Null, -																									
<i>DRB3*02:27</i>	-															15										
<i>DRB4*01:01:01:01-01:03:01:01, DRB4*01:03:01:03-01:30, DRB4*01:32-01:36, DRB4*02:01N, DRB4*03:01N</i>	DR53, Null, -																									
<i>DRB4*01:03:01:02N</i>	Null																									
<i>DRB4*01:31</i>	-																									
<i>DRB5*01:01:01-01:22, DRB5*02:02-02:09</i>	DR51, Null, -																									
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	

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