

		5'-CCA ^{3'}	5'-gCg ^{3'}	5'-gCg ^{3'}	5'-gCg ^{3'}						5'-CAC ^{3'}							5'-CAG ^{3'}							
		86(344)		71(299)																					
			5'-gCT ^{3'}	73(305)	5'-ggC ^{3'}																				
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
DRB1 allele ⁴	ser ⁵																								
*01:01:01-01:02:08, 01:04-01:38, 01:40N-01:41, 01:43-01:45	DR1, Null, -	73																							
*01:03, 01:39N	DR103, Null		74																						
*01:42	-	73	74																						
*03:01:01-01:03:01:19, 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, 03:66-03:68N, 03:70-03:73, 03:75, 03:77-03:81	DR17(3), DR3, Null, -					77	78											89							
*03:02:01-03:03, 03:27, 03:29, 03:38, 03:53, 03:74	DR18(3),					77		79										89							
*03:07, 03:17, 03:21, 03:24, 03:32, 03:35, 03:39-03:41, 03:49	DR3, -					77												89							
*03:08, 03:65	-					77	78				83		85												
*03:10	DR17(3)					77	78												91	92					
*03:42, 03:69	-					77																			
*03:46, 03:64	-					77	78																		
*03:76	-						78					84			87			89							
*04:01:01-04:61, 04:63-04:68, 04:70-04:72:02, 04:74-04:104, 04:106-04:107	DR4, Null, -								80																
*04:62, 04:69, 04:73, 04:105	-								80										90						
*07:01:01-07:01:04, 07:03-07:22	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						88								

Negative Control

*08:03:02-08:03:03, 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, 08:36:01-08:38, 08:45-08:49	DR8, -									82															
*08:08	-									82				88		90									
*08:09, 14:15 ⁷	DR8									82				88				92							
*08:20, 13:18, 13:47, 13:55 ⁸	DR13(6), -													87 88	89			92							
*08:21	-									82				87 88				92							
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
DRB1 allele ⁴	ser ⁵																								
*08:31, 08:41, 11:67 ⁹	DR11(5), -									82				85			88								
*08:32	-									82				86							92				
*08:35	-									82											92				
*08:40	-						78			82															
*09:01:02-09:01:05, 09:01:07-09:02:02, 09:04-09:17	DR9, -											83								91					
*09:01:06, 09:03	DR9, -											83													
*10:01:01-10:04	DR10, -												84												
*11:01:01-11:01:16, 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, 11:84:01-11:84:02, 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	DR11(5), -													85		87 88									
*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, 11:63, 11:65:01-11:65:02, 11:68, 11:70, 11:76, 11:85-11:86, 11:93, 11:118, 11:122, 11:124	DR11(5), DR13 (6), -						78							85		87 88									
*11:05	DR11(5)													85		88									
*11:07, 11:53, 11:103, 11:105, 11:107, 11:125	DR11(5), -					77						83		85											
*11:08:01-11:08:02, 11:18-11:19:03, 11:42, 11:57	DR11(5), -													85		87									
*11:13:01-11:13:02	DR11(5)						w							85						91 92					
		Negative Control																							

*11:17, 11:52	DR11(5), -													85					91	92					
*11:22, 11:98, 11:104	-													85											
*11:23, 11:25, 11:96	DR11(5), -													85	87	88				92					
*11:26, 11:34	DR11(5), -							79						85											
*11:31, 11:45, 11:64, 11:119	-													85	87					92					
*11:55	-													85		88				92					
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
DRB1 allele⁴	ser⁹																								
*11:59, 11:80, 11:83, 11:87	-						78						84	85		87	88								
*11:69, 11:82	-													85			88		90						
*11:73, 11:79	-						78							85		87									
*11:89	-													85						92					
*12:01:01-12:01:04, 12:03, 12:05-12:12, 12:14, 12:17, 12:24N-12:25, 12:28-12:30, 12:34-12:35	DR12(5), Null, -														86										
*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(5), Null, -														86		88								
*12:04	-											82			86										
*12:16:01	-											82			86		88								
*12:22	-									81	82				86										
*13:01:01-13:02:01, 13:02:03-13:02:05, 13:04, 13:08, 13:16, 13:20, 13:22-13:24, 13:28-13:29, 13:31-13:32, 13:34-13:36, 13:38-13:40, 13:48, 13:51-13:52, 13:54, 13:59, 13:61:01-13:61:02, 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, 13:96:01-13:99, 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, 13:138-13:139	DR13(6), DR14(6), Null, -						78										87	88	89						
*13:02:02	DR13(6)						78												89						
*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, 13:120, 13:133, 13:137N	DR13(6), Null, -						78									87		89							
Negative Control																									

*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, 13:132, 13:136	DR13(6), -																	87	88	89								
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96			
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96			
DRB1 allele ⁴	ser ⁵																											
*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, 13:134	DR13(6), -																	87		89								
*13:09	-																	88	89									
*13:13, 13:119, 14:84, 14:116 ¹⁰	DR13(6), -																	87	89		92							
*13:15, 13:19, 13:53, 13:57, 13:104	DR13(6), -							78	79									87	88	89								
*13:17, 13:116	DR13(6), -							78		81								88										
*13:26	-							79										87	88	89								
*13:27, 13:41, 13:71	DR13(6), -							78				84						87	88	89								
*13:43	-							78										87	88		91	92						
*13:44, 13:86	-							79											89									
*13:45	-							78										87	88	90	92							
*13:67, 13:103	-																	87	88									
*13:85	-							78	79									87	89									
*13:122	-							78										87										
*13:129	-							78				84						88	89									
*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, 14:54:01, 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, 14:117-14:118, 14:120, 14:122, 14:124-14:125	DR14(6), DR1404, -																			90	91	92						
*14:01:03, 14:08, 14:23:02, 14:34, 14:54:02, 14:72, 14:92N, 14:97	DR14(6), Null, -																				91	92						
*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, 14:121	DR14(6), DR6-, -								79											89	91							
Negative Control																												

*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	DR14(6), DR1403, -								79										87				89								92													
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96																			
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96																			
DRB1 allele ⁴	ser ⁵																																											
*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, 14:123	DR14(6), -																				89																91			92				
*14:11	DR14(6)												82																							91			92					
*14:16	DR6							78									87 88																			90 91			92					
*14:18, 14:81	DR6, -							79																												89 91			92					
*14:19, 14:21, 14:109	DR14(6), -							78 79									87				89															w								
*14:22, 14:105	DR14(6), -																87 88																			90 91			92					
*14:24	-							79									88 89																											
*14:25, 14:53	DR13(6), -																87 88				90															92								
*14:27	DR14(6)							79									87 88				89																	92						
*14:32:01-14:32:02	-							w																												90 91			92					
*14:37	-																88				89 90																							
*14:42	-																				89																92							
*14:46, 14:52	-																																			91								
*14:49, 14:119	DR14(6), -							79																												90 91			92					
*14:50	DR14(6)												81																							90 91			92					
*14:58	-																																			90			92					
*14:65	-							w													89															91			92					
*14:68, 14:93	-												82																							90 91			92					
*14:69	-																87																			90			92					
*14:73	-																																			88			90 91			92		
*14:74	-																																			87			90 91			92		
*14:82	-							78																												90 91			92					
*14:89	-							79													89																	92						
*14:95	-							78													89															91			92					
*14:98	-							79									87				89																							
*15:01:01-15:20, 15:22-15:24, 15:26, 15:28-15:33, 15:35-15:65, 15:67-15:71	DR15(2), DR2, Null, -				75																																							
*15:21	-				75																																	w						
*15:25	-				75		77																																					
*15:27, 15:34, 15:66	-				75																																	91						
*16:01:01-16:03, 16:05:01-16:05:02, 16:07-16:17, 16:19	DR16(2), DR2, Null, -				76																																							
*16:04, 16:18	DR16(2), -				76																																	w						
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96																			
Well No.	DR	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96																			
DRB1 allele ⁴	ser ⁵																																											

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<i>DRB3*01:01:02:01-01:15, DRB3*02:01-02:26, DRB3*02:28-02:29N, DRB3*03:01:01-03:03</i>	DR52, Null, -																			93	Negative Control				
<i>DRB3*02:27</i>	-													87						93					
<i>DRB4*01:01-01:03:01:01, DRB4*01:03:01:03-01:08</i>	DR53, -																			94					
<i>DRB4*01:03:01:02N</i>	Null																		90	94					
<i>DRB5*01:01-01:01:14, DRB5*02:02-02:05</i>	DR51, Null, -																			95					
Well No.		73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96