

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
HLA-B allele ^{1,2,3}																	
*58:01:01:01-58:01:19, 58:01:21-58:01:23, 58:32-58:34, 58:37, 58:41-58:42, 58:45:01-58:45:02, 58:47-58:50, 58:53-58:56, 58:62-58:64, 58:67-58:71, 58:73, 58:75, 58:77, 58:79-58:83, 58:85-58:90, 58:92 ⁵	1	2											13				
*58:01:20	1	2											13				
*58:02:01-58:02:02, 58:38, 58:43, 58:60	1		3							11			13				
*58:04		2		4									13				
*58:05	1	2			5								13				
*58:06, 58:46	1		3			6	7						13				
*58:07	1		3					8			11		13				
*58:08:01	1					6	7		9				13				
*58:08:02	1					6	7						13				
*58:09, 58:76	1	2							10				13				
*58:10N, 58:13 ⁴	1	2										12	13				
*58:11	1	2												14			
*58:12	1	2											13		15		
*58:14	1	2											13				
*58:15	1	2		4									13				
*58:16:01-58:16:02	1												13				
*58:17N	1	2											13				
*58:18	1												13				
*58:19, 58:91	1	2				6	7						13				
*58:20	1													14			
*58:21, 58:29 ⁴	1	2											13				
*58:22	1	2											13				17
*58:23	1	2							9				13				
*58:24	1	2								10			13				
*58:25	1		3								11		13				
*58:26	1												13				
*58:27	1												13			16	
*58:28:01-58:28:02, 58:65	1	2											13			16	
*58:31N	1	2											13				
*58:35	1	2											13				
*58:36		2											13		15		
*58:39N		2											13				
*58:40	1	2											13				
*58:44		2							9				13				
*58:51	1	2											13				
*58:52	1	2											13				
*58:57	1	2											13				
*58:58, 58:66 ⁴	1	2											13				
*58:59:01-58:59:02	1	2											13				
*58:61	1												13				
*58:72N	1	2							9				13				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
*58:74	1	2							9				13		15		
*58:78	1	2				6							13				
*58:84	1	2											13			16	17
*58:93N	1	2											13				
*07:02:01:01-07:02:34, 07:02:36-07:04:02, 07:07-07:08:02, 07:10, 07:13, 07:15-07:16, 07:19-07:24, 07:26-07:31, 07:33:01-07:33:03, 07:35-07:39, 07:41-07:47, 07:49N-07:50, 07:52, 07:54-07:57, 07:59-07:68:01, 07:68:03, 07:70-07:79, 07:81-07:89, 07:91-07:96:02, 07:98-07:104, 07:106-07:111N, 07:113-07:122, 07:124-07:136:02, 07:139, 07:141-07:151:01, 07:152-07:154, 07:156-07:161N, 07:165-07:175, 07:177-07:181N, 07:183-07:198, 07:200, 07:203-07:205, 07:208, 07:211-07:212, 07:214-07:218, 07:221, 07:224, 07:228:01-07:234, 07:236, 07:238-07:247, 07:250-07:257, 07:259-07:260, 07:263, 07:265-07:268, 07:271-07:277, 07:279-07:282, 07:285N-07:286, 07:288-07:292, 07:294-07:300, 07:302-07:303, 07:305-07:311, 08:156, 13:31, 14:02:07, 15:01:01:01-15:01:04, 15:01:06-15:01:41, 15:03:01:01-15:03:01:03, 15:03:03, 15:03:05-15:04:04, 15:06, 15:08:01-15:12, 15:14-15:16:03, 15:18:01:01-15:19, 15:23-15:24:02, 15:26N-15:30:01:02, 15:32:01-15:35, 15:37-15:39:01, 15:40:01-15:40:02, 15:43, 15:45-15:47:02, 15:49-15:50, 15:53-15:54, 15:56-15:58, 15:60-15:61, 15:63-15:67, 15:69-15:74, 15:76, 15:78:01-15:79N, 15:81-15:82, 15:87, 15:90, 15:92-15:99, 15:101, 15:103-15:104, 15:108-15:110, 15:113, 15:115-15:120, 15:122, 15:125, 15:127-15:129, 15:131-15:135, 15:137-15:138, 15:140-15:143, 15:146-15:150, 15:152-15:153, 15:156-15:161, 15:163-15:164, 15:166-15:167, 15:169, 15:171-15:175, 15:178, 15:180-15:184, 15:187, 15:189-15:193, 15:195, 15:197:01, 15:198-15:199, 15:201-15:203, 15:205-15:206, 15:209N-15:212, 15:215, 15:217, 15:219-15:221, 15:225-15:227, 15:229, 15:231-15:234, 15:236, 15:238-15:239, 15:241-15:249, 15:251-15:264, 15:266-15:267, 15:269-15:270, 15:272N, 15:274, 15:276-15:282, 15:285-15:288, 15:290, 15:292-15:296, 15:298-15:300, 15:303-15:304N, 15:306-15:307, 15:309-15:311, 15:313-15:318, 15:320-15:323, 15:326-15:327, 15:333-15:340, 15:342-15:344, 15:346-15:347, 15:349:01-15:355, 15:359, 15:362-15:365, 15:367-15:373, 15:375N-15:377Q, 15:379-15:382, 15:384-15:392, 15:395, 15:397-15:398, 15:400N-15:401, 15:406, 15:408-15:410, 15:412-15:414, 15:416-15:417, 15:419, 15:422, 15:426-15:430, 15:432-15:434, 15:436, 15:439-15:445, 18:19, 18:21, 18:30, 18:57, 18:101, 27:04:01-27:04:06, 27:06, 27:10, 27:15, 27:18, 27:20-27:21, 27:25, 27:40, 27:54, 27:63, 27:66N, 27:68-27:69, 27:79, 27:86, 27:91-27:92, 27:100, 27:103, 27:105-27:109, 27:112-27:115, 27:120, 27:138, 27:149, 27:165, 27:168, 27:173, 35:43:01, 35:79, 35:185, 37:07, 39:18, 39:36, 40:23, 40:26, 40:32, 40:51, 40:98, 40:148, 40:158, 40:161, 40:183, 40:198, 40:355, 46:01:01-46:05, 46:07N-46:08, 46:10, 46:14-46:17, 46:20, 46:22-46:24, 46:26-46:32, 46:34-46:42, 46:44-46:66, 46:68-46:74, 47:10, 48:08, 49:01:02, 49:22, 50:47, 54:06, 54:33, 55:21, 55:56, 56:03						6								14			
*07:02:35, 07:68:02, 07:151:02, 14:12, 14:47, 49:41, 50:32, 54:20, 55:09, 55:52						6	w							14			
*07:05:01:01-07:06:03, 07:32, 07:34, 07:40, 07:53, 07:69, 07:80, 07:90, 07:97, 07:105, 07:112, 07:123, 07:138, 07:140, 07:176, 07:182N, 07:201N, 07:206-07:207, 07:210, 07:213, 07:222, 07:249, 07:258, 07:264, 07:269-07:270, 07:278, 07:283-07:284, 07:293, 07:304, 08:20, 08:53:01-08:53:02, 08:79, 15:324, 15:329, 27:24, 40:05:01:01-40:05:01:02, 40:15-40:16, 40:174, 40:309, 48:05, 48:15						6								14		16	
*07:09, 07:11, 07:17, 07:237, 07:287, 15:07:01:01-15:07:03, 15:68, 15:126, 15:197:02, 15:207, 15:331, 15:360, 15:405, 15:431, 46:12						6								14			
*07:12, 07:14, 07:18:01-07:18:02, 07:162-07:163, 07:199, 07:225, 07:227, 07:248						6								14			17
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

[illegible]

*15:02:01-15:02:08, 15:02:10-15:02:11, 15:13:01, 15:21:01:01-15:21:01:02, 15:25:01-15:25:03, 15:36, 15:44, 15:62, 15:77, 15:80, 15:85, 15:89, 15:106, 15:112, 15:121, 15:139, 15:144, 15:154, 15:165, 15:170, 15:194, 15:204, 15:213-15:214, 15:223, 15:240, 15:271, 15:289, 15:291, 15:297, 15:301-15:302N, 15:308, 15:319, 15:325, 15:328, 15:330, 15:341, 15:345, 15:357-15:358, 15:366, 15:374, 15:378, 15:394, 15:399, 15:402, 15:404, 15:418, 15:420, 15:425, 15:437-15:438, 37:13, 44:79:02, 44:146, 46:67	2	6																14			
*15:17:01:01-15:17:04, 15:17:06, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230, 15:268, 15:273, 15:356, 15:361, 15:403, 15:423-15:424		6																14			
*15:17:05, 15:162, 15:396, 15:411																		14			
*15:20, 35:01:01:01-35:01:27, 35:01:29-35:01:48, 35:03:01:01-35:03:21, 35:06-35:07, 35:10, 35:13, 35:15:01-35:17:02, 35:19-35:20:02, 35:23, 35:25-35:30, 35:33-35:34, 35:36, 35:38-35:42:02, 35:47-35:50, 35:52, 35:54-35:56, 35:59:01-35:59:02, 35:62-35:63, 35:65Q, 35:69-35:71, 35:74, 35:76-35:78, 35:82, 35:84-35:85, 35:90-35:94, 35:98, 35:101:01-35:101:02, 35:103-35:104, 35:106-35:108:02, 35:110-35:113, 35:115-35:116, 35:120-35:126, 35:128, 35:130N-35:134N, 35:136-35:141, 35:143-35:148, 35:150:01-35:150:02, 35:152-35:153, 35:155, 35:159-35:161, 35:163, 35:165N-35:166, 35:168-35:171, 35:173:01N-35:173:02N, 35:175, 35:177-35:181, 35:186, 35:189, 35:191, 35:193-35:198, 35:200, 35:202-35:204, 35:207, 35:209-35:210, 35:212, 35:214-35:219, 35:221-35:224, 35:226-35:228, 35:231, 35:236-35:250, 35:252-35:257, 35:259, 35:261, 35:263-35:264, 35:267-35:269, 35:271-35:272, 35:274-35:275, 35:278, 35:280-35:284, 35:286, 35:288-35:291, 35:293-35:299, 35:302-35:308, 35:310, 35:312-35:315, 35:317-35:320, 35:322, 35:324-35:327, 35:329-35:330, 35:332, 35:334, 35:336, 35:340, 35:344-35:345, 35:347-35:355, 35:358, 35:360, 35:362-35:365, 35:370, 48:02:01, 53:01:01-53:01:15, 53:03-53:05:02, 53:07, 53:09-53:10, 53:12-53:13, 53:15, 53:17:01-53:18, 53:20-53:23, 53:25-53:27, 53:29-53:33, 53:35, 53:37-53:40, 53:42-53:43, 53:45-53:46, 53:48N-53:50	2																13				
*15:124, 18:88, 38:43, 40:77, 40:87:01-40:87:02, 40:222, 40:237, 40:368, 46:43, 48:26		5																14			
*15:228, 15:305, 35:67, 35:86, 35:99, 35:102, 35:117-35:118, 35:265, 51:01:25, 51:01:37, 51:01:52, 51:02:05, 51:24:02-51:24:03, 51:36, 51:61:01-51:61:02, 51:71-51:72, 51:87, 51:91, 51:126, 51:174:01, 51:211, 52:01:07, 52:01:15, 52:21:01-52:21:02, 52:54		6																13			
*15:265	2	6																14	16	17	
*15:435, 51:01:01:01-51:01:24, 51:01:26-51:01:36, 51:01:38-51:01:46, 51:01:48-51:01:51, 51:01:53-51:02:04, 51:03, 51:06:01-51:07:02, 51:11N-51:14, 51:16-51:18, 51:21-51:24:01, 51:24:04-51:24:05, 51:26-51:28, 51:30, 51:33-51:35, 51:37-51:39, 51:41N, 51:43, 51:45, 51:48-51:52, 51:57-51:60, 51:62-51:63:02, 51:65-51:70, 51:74-51:80, 51:83-51:86, 51:88-51:90, 51:92:01-51:92:02, 51:94-51:96, 51:98N-51:107, 51:109-51:114, 51:116-51:119, 51:121, 51:123-51:125, 51:127-51:138, 51:140, 51:142-51:147, 51:149N-51:152, 51:154-51:156, 51:158:01-51:163, 51:165-51:173Q, 51:174:02-51:180, 51:182-51:193, 51:195-51:196, 51:198-51:210, 51:212-51:216, 51:218-51:219, 51:221-51:226, 51:229-51:234, 52:01:01:01-52:01:06, 52:01:08-52:01:14, 52:01:16-52:01:25, 52:01:27-52:02:02, 52:04-52:06:03, 52:08-52:09:02, 52:11-52:18, 52:20, 52:22-52:23, 52:25:01-52:27, 52:30-52:43, 52:45-52:53, 52:55-52:60, 52:62-52:70, 52:72-52:73, 52:75, 56:05:01-56:05:02, 56:21, 78:01:01:01, 78:01:02-78:03, 78:05-78:07, 78:09		6	7														13				
*18:22, 18:69, 18:105, 37:04:01-37:04:02, 44:190, 44:203, 44:275	2									10								14			
*18:51																		14			
*35:02:01:01-35:02:08, 35:04:01-35:04:03, 35:12:01-35:12:04, 35:83, 35:95, 35:129N, 35:149, 35:154, 35:162, 35:182-35:184, 35:201, 35:211, 35:220, 35:258, 35:266, 35:270, 35:285, 35:309, 35:311, 35:316, 35:323, 35:335, 35:339, 35:357, 35:361, 35:366, 53:19, 53:36	2																	13		16	
*35:05:01:01-35:05:03, 35:51, 35:66, 35:72, 35:89, 35:97, 35:114, 35:368, 53:14																		13			
*35:08:01:01-35:08:10, 35:45, 35:61:01-35:61:02, 35:80, 35:100, 35:105, 35:142, 35:156, 35:158, 35:164, 35:176, 35:187, 35:192, 35:206, 35:225, 35:229, 35:262, 35:300-35:301, 35:328, 35:333Q, 35:338, 35:341-35:342, 35:346, 35:356, 53:11, 53:16, 53:24	2																	13			17
*35:09:01-35:09:03, 35:22, 35:88, 35:230, 35:321, 51:81, 51:148, 81:03																		13		16	
*35:11:01, 35:167, 35:277, 53:08:01	2					6	7											13			
*35:11:02, 35:14:01-35:14:02, 35:213, 35:343, 53:08:02	2					6												13			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
*35:11:03		2				6	w						13								
*35:18													13						16	17	
*35:21, 35:96, 35:188, 51:227, 53:06, 53:28	2					6	7			10			13								
*35:24:01-35:24:02, 35:109, 35:190, 35:287, 53:02	2									10			13								
*35:32:01-35:32:02, 35:37, 35:53N, 35:64:01-35:64:02, 35:68:01-35:68:02, 35:119, 35:127, 35:151, 35:199, 35:205, 35:234-35:235, 35:251, 35:260, 35:273, 35:276, 35:292, 35:331, 35:367, 35:369, 51:05, 51:08:01:01-51:10, 51:15, 51:19-51:20, 51:31, 51:40, 51:44N, 51:54, 51:73, 51:93, 51:97, 51:108, 51:115, 51:122, 51:141, 51:153, 51:194, 51:217, 52:03, 52:10:01-52:10:03, 52:19, 52:71, 53:41, 53:44, 53:47, 67:05, 78:04													13								
*35:35, 37:40, 38:20, 39:42	2													14		16	17				
*35:58						6	7						13								
*35:75													13								
*35:81, 35:157, 35:233, 51:139	2									10			13			16					
*35:172	2												13			16	17				
*35:174													13							17	
*35:208	2												13								
*35:232						6							13								
*35:337:01	2					6							13							17	
*35:337:02	2					6	w						13							17	
*39:106, 44:138Q														14							
*40:28	2					6	7			10				14		16					
*44:76	2					6	w							14						17	
*44:150	2					6								14						17	
*44:247	2				5									14							
*48:02:02-48:02:03	2													13	14						
*48:14					5									14							
*48:29					5									14		16					
*49:06						6	7					12		14							
*49:29					5	6	7							14							
*51:01:47, 51:29, 51:55, 51:82, 51:197, 52:01:26, 52:24, 52:44, 52:61						6	w						13								
*51:04, 51:46, 51:56:01-51:56:03	2					6	7			10			13			16					
*51:32						6	7						13								
*51:53, 51:120, 51:228, 52:28-52:29							7						13								
*51:64						6	7						13			16					
*51:164, 78:01:01:02						6	7														
*51:181, 52:74					5								13								
*53:34	2												13								
*56:36, 78:08													13	14							
*57:01:01:01-57:01:04, 57:01:06-57:01:09, 57:01:12-57:01:19, 57:01:21-57:01:22, 57:01:24-57:01:27, 57:06, 57:08, 57:10, 57:15, 57:18, 57:23-57:27, 57:29, 57:32-57:35, 57:37-57:38, 57:40-57:41, 57:43-57:44, 57:48-57:50, 57:52-57:56, 57:58, 57:60-57:61, 57:64-57:65, 57:68, 57:71-57:73, 57:75-57:79N, 57:81, 57:85-57:88, 57:90, 57:92-57:93, 57:95	2														14	15					

*57:01:05, 57:21, 57:31, 57:47, 57:74, 57:83															14	15		
*57:01:10, 57:67:01-57:67:02		2													14	15		
*57:01:11, 57:91		2														15		
*57:01:20		2							9						14	15		
*57:01:23, 57:16, 57:20, 57:36, 57:45, 57:51, 57:62, 57:69, 57:89		2													14			
*57:02:01-57:02:02, 57:12, 57:42		2													14	15	16	17
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
*57:03:01:01-57:03:03, 57:07, 57:17, 57:39, 57:46, 57:66, 57:70, 57:80, 57:84, 57:94, 57:96		2													14	15	16	
*57:04:01, 57:04:03, 57:19, 57:28N, 57:30		2													14	15		17
*57:04:02		2													14			17
*57:05		2													14	15	16	17
*57:09, 57:57		2				6									14	15	16	
*57:11			3								11				14	15		
*57:13						6									14	15		17
*57:14:01-57:14:02		2								10					14	15		
*57:22		2				6									14	15		
*57:59		2			5										14	15		
*57:63		2				6									14	15	16	17
*57:82															14	15		
*83:01		2													?			
A*01:41, C*01:49:01-01:50, C*03:28, C*03:49, C*03:117, C*03:251, C*03:293, C*04:80, C*04:100, C*04:110, C*05:10, C*05:148, C*08:126, C*14:54, C*15:08, C*15:143, C*15:148																		17
A*02:01:33									9									
A*02:42, A*02:310															15			
A*24:64, C*01:06, C*14:71, C*16:43											w							
C*01:35, C*01:107, C*03:17:01-03:17:02, C*03:71, C*03:249, C*03:271, C*03:302, C*06:96, C*06:197, C*12:122, C*14:20			3															
C*02:60, C*07:294, C*07:526, C*07:530																		
C*03:141, C*03:233, C*03:384, C*15:18, C*15:39, C*15:130										10								
C*06:79N, C*06:153, C*12:175, C*14:53											11							
C*06:165, C*14:61								8										
C*07:81, C*07:168, C*07:450					5													
C*15:51																	16	17
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	

[illegible]

[illegible]

[illegible]