Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
HLA-A allele[1,2,3]																																																																		
***11:01:01:01**-11:01:03, 11:01:05-11:01:20, 11:01:22-**11:01:43**, 11:01:45-11:01:56, 11:01:58-11:01:61, 11:01:63-11:01:72, 11:82-11:85, 11:87-11:88, 11:91:01-11:93, 11:95, 11:97, 11:103-11:104, 11:107, 11:114, 11:116, 11:119:01-11:119:02, 11:122-11:123, 11:125, 11:132-11:133, 11:136, 11:138, 11:141, 11:144-11:146, 11:148-11:152, 11:160, 11:162, 11:164-11:165, 11:167, 11:169, 11:172, 11:177, 11:179, 11:181, 11:184-11:188, 11:192, 11:195, 11:197-11:198, 11:200, 11:202-11:207, 11:212-11:214, 11:216-11:218, 11:220, 11:225, 11:227-11:234, 11:236-11:237, 11:239-11:241, 11:243-11:245	**1**										**11**	**12**		**14**																																																				
***11:01:04**, 11:01:21, 11:01:44, 11:01:62	**1**										**11**			**14**																																																			Negative Control
*11:01:57	**1**											**12**		**14**																											**41**																							
***11:02:01**-11:02:06, 11:113, 11:140, 11:176		**2**									**11**	**12**		**14**																																																		
***11:03**	**1**		**3**								**11**	**12**		**14**																																														**61**	**62**		
***11:04**, 11:130	**1**			**4**							**11**			**14**																																																
***11:05**	**1**				**5**						**11**	**12**		**14**																																																
*11:06	**1**					**6**					**11**	**12**		**14**								**22**																																								
*11:07	**1**					**6**					**11**	**12**		**14**		**16**																																														
***11:08**	**1**						**7**					**12**		**14**									**23**																																							
***11:09, 11:196[5]**	**1**							**8**			**11**	**12**		**14**																																																
***11:10**	**1**									**10**	**11**	**12**		**14**															**29**																																	
*11:11	**1**										**11**	**12**	**13**	**14**																																																
***11:12**	**1**										**11**	**12**			**15**																																													
***11:13, 11:117[5]**	**1**										**11**	**12**		**14**		**16**																																													
*11:14		**2**									**11**	**12**		**14**			**17**																																												
***11:15:01**	**1**										**11**	**12**		**14**				**18**																																											
*11:15:02	**1**										**11**	**12**		**14**														**28**																																
*11:16		**2**									**11**	**12**		**14**																																			**49**												
*11:17											**11**	**12**								**20**	**21**						**27**																																	
*11:18						**6**					**11**	**12**										**22**																																						
***11:19**, 11:98											**11**	**12**									**21**																																							
***11:20**	**1**										**11**	**12**		**14**																																												**62**		
*11:21N	**1**										**11**	**12**		**14**										**24**																																				
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	**60**	**61**	**62**	**63**	**64**	
Well No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	**60**	**61**	**62**	**63**	**64**	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
*11:22	1					6					11	12		14																																																				
***11:23**	1											12		14																																				49																
***11:24:01**	1											12		14											25																																								
*11:24:02	1											12		14	15																																																
*11:25:01	1											12		14	15								23																																						62			
*11:25:02	1											12		14											25																																				62			
*11:26	1													14		16										26																																						
*11:27	1			4					9		11			14													27																																						
***11:29**	1										11	12		14																30																																		
***11:30**	1										11	12		14																	31																																	
*11:31	1											12		14	15																	32									41																						
***11:32:01**-11:32:02	1										11	12		14																		32																																
*11:33:01-**11:33:02**	1		3								11	12		14																																																	
*11:34	1							8			11	12		14																																							52									61			
*11:35	1			4										14	15																	32									41								49															
*11:36	1										11	12		14																																											57						
***11:37**	1										11	12		14								22																																										
*11:38		2							9		11	12		14													27																																					
*11:39	1								9		11	12		14													27																																					
*11:40											11	12								20	21																																											
*11:41	1										11	12		14												26																																						
*11:42	1										11	12		14					19	20																																											
*11:43	1									10	11	12		14																	31																																
***11:44**	1						7					12		14																																	47																
***11:45**											11	12		14																30																																	
***11:46**	1										11	12		14					19															34																													
***11:47**, 11:221	1										11	12		14				18							25																																						
***11:48**	1													14										24																																						
*11:49	1										11	12		14														28			31																																
*11:50Q	1						7							14			17													30		32																		49													
*11:51	1										11	12		14																							37						43																				
***11:52Q**	1										11	12		14																									39																								
***11:54**	1										11	12		14		16																																											61			
*11:55	1										11	12		14													27			30																																
***11:56**	1										11	12		14																			33																														
*11:57		2									11	12		14																							37												49													
***11:58, 11:67**[5]	1										11	12		14																				34																													
*11:59-**11:60**[5]	1										11	12		14																											41																					
*11:61	1										11	12		w																			33																														
*11:62, 11:68[5]	1										11	12		14																					35																												
***11:63, 11:69N**[5]	1										11	12		14																												42																				
*11:64-11:65, **11:193**[5]	1										11	12		14																						36																										
*11:66, 11:72[5]	1										11	12		14																							37																									
***11:70:01**-11:70:02	1										11	12		14																												43																				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
***11:71**											11	12		14																																		48																
***11:73**	1										11	12		14																																			49																

Negative Control

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
***11:74**	1										11	12		14																			33						39																												
*11:75	1										11	12		14																							38																														
*11:76	1										11	12		14																														44																						
*11:77		2									11	12		14																																					51														
***11:78N**											11	12		14																							38																													
*11:79, **11:129**[5]	1										11	12		14																															45																				
*11:80	1										11	12		14														28		30																																			
***11:81**, 11:108[5]	1										11	12		14																																						52												
***11:86**, 11:142[5]	1										11	12		14																																				50													
***11:89**	1										11	12		14																																								54										
***11:90**	1										11			14																																									55									
*11:94	1						7		9			12		14													27																													56								
*11:96, 11:159	1										11	12																																																			
*11:99N	1										11	12		14																																									56								
*11:100	1										11	12		14																																							53										
*11:101		2												14																																																	
*11:102	1										11	12		14																																								55									
***11:105**	1										11	12		14																							38																					58					
***11:106**											11	12																															44																					
*11:109N	1										11	12		14																																			49					54									
*11:110		2			5						11	12		14																																																	
*11:111, 11:161, 11:168											11	12		14																																																	
***11:112**	1										w	12		14																																								56									
*11:115N, 11:180N[5]	1										11	12		14																																										58							
*11:118	1													14												26																																							
*11:120, 11:171[5]	1										11	12		14																																																	63
*11:121											11	12									21																						43																						
*11:124, 11:174[5]	1										11	12		14																																											59					
***11:126**	1										11	12		14																																																
*11:127N, 11:137N[5]	1										11	12		14																																												60				
***11:128**	1										11	12		14																																								55				60				
***11:131**	1										11	12		14						20										30																																	
***11:134**	1										11	12		14					19																							42																					
***11:135**	1										11	12		14											25																							48															
*11:139, 11:143, 11:242, 66:23[4]	1													14																																																
*11:147		2									11	12		14						32																																												
*11:153:01-**11:153:02**	1										11	12		14																																								54				60				
*11:154	1										11	12		14																																							53								63
***11:155**	1						7				11	12		14													27																																					
***11:156**	1										11	12		w																30				34																														
*11:157	1										11	w		14																																																	
*11:158	1											12		14	15					32																	37				41								49															
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
***11:163**	1										11	12		14																															45															59						
***11:166**	1										11	12		14																									39															54										
*11:170Q	1										11			14				18										28																																				
*11:173	1										11	12		14																																46																		

Negative Control

| | | |

| | | |

| | | |

| | | |

| | | |

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
*03:01:49, 03:75, 03:95, 03:177, 03:204, 03:215, 03:249, 74:13	1														15																									40																										
*03:02:01-03:02:04, 03:10, 03:31, 03:73, 03:76, 03:82, 03:90, 03:106, 03:160, 03:223, 03:236-03:237, 03:242, 03:244	1			4							11				15																									40	41																										Negative Control
*03:04:01-03:04:03	1			4											15																									40													54						60		62				
*03:07, 03:133	1			4											15																	32								40	41																										
*03:18	1						7					12			15	w											27													40																											
*03:21N	1			4											15									24																	40																						62			
*03:22:01-03:22:02, 03:248	1		3	4											15																									40																						62			
*03:23:01-03:23:02	1			4											15																									40			43																			62			
*03:24	1			4											15														29											40																						62			
*03:26	1			4											15																									40										51											62			
*03:32				4							11																														41																								
*03:41				4											15						21																																									62			
*03:42	1		3	4											15																	32								40	41																										
*03:50	1			4			7								15																									40																						62			
*03:63	1			4										14	15																									40																						62			
*03:65, 03:69N	1			4							11				15																									40																						62			
*03:66, 03:153	1			4			7								15																									40																									
*03:78	1			4											15																									40											52										62			
*03:87	1			4											15																31									40																						62			
*03:88	1			4										14	15																																														62			
*03:89:01-03:89:02				4											15																												43																			62			
*03:97, 03:122	1			4											15												27													40																						62			
*03:113	1			4							11				w																									40	41																								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
*03:123:01	1			4											15																									40								49													62			
*03:123:02	1			4											15								23																	40								49											62			
*03:135	1		3				7					12			15	w											27													40															56				61				
*03:154:01-03:154:02	1			4											15																	32								40																						62			
*03:167	1			4							11				15												27													40																						62			
*03:171	1			4											15																	32					37			40	41							49															
*03:174	1			4											15																					36				40																						62			
*03:182	1			4											15																									40												53									62			
*03:187	1			4			7								15												27													40																									
*03:191	1			4											15																									40	41																						62			
*03:198				4							11																														41		43																						
*03:208	1														15																									40														55							62			
*03:210	1			4											15										25															40							48														62			
*03:218	1			4							11				15																									40	41								50															
*03:219				4											15																				35																										62			
*03:225	1		3	4			7								15																									40																				61			
*03:229	1			4											15																									40								49															
*03:231	1			4											15		17																							40																									
*23:07N, 24:11N																								24																																										Control

| | | |

| | | |

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
*30:01:01-30:01:06, 30:01:08-30:02:04, 30:02:06-30:03, 30:07-30:08, 30:10-30:13, 30:15-30:16, 30:19-30:20, 30:22, 30:24-30:26, 30:30-30:33, 30:36-30:38, 30:40-30:42, 30:44-30:45, 30:48-30:50, 30:53, 30:56-30:71, 30:73N-30:74, 30:76N, 30:78N-30:79, 30:81-30:85, 30:88, 30:91, 30:93-30:98, 30:102			3	4											15		17																																																Negative Cont
*30:01:07, 30:23, 30:27N			3	4											15																																																
*30:02:05			3	4													17								25																																							
*30:04:01-30:04:02, 30:06, 30:29, 30:46, 30:77, 30:90			3	4			7																									32									w																							
*30:09, 31:04, 74:23			3	4											15																	32									41																							
*30:14L, 30:43			3												15		17																																														
*30:17			3	4			7								15																	32									w																							
*30:18	1		3	4											15		17																																														
*30:34			3	4											15		17																																			54						60				
*30:35, 30:54, 30:86-30:87				4											15		17																																													
*30:39			3	4											15		17	18																																													
*30:51			3	4											15		17															32																															
*30:55	1		3	4											15		17																							40																							
*30:75			3	4											15		17										27																																				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
*30:92			3	4											15		17														31																																	
*30:99			3	4							11																														w																					
*31:03			3	4						10					15						21										31	32									41																							
*33:13										10											21					26					31																																	
*33:49			3	4											15														29			32									41																							
*33:61																16													29																																	
*33:70																													29																															61			
*34:01:01-34:01:02, 34:05, 34:11	1									10				w															29																																	
*34:02:01, 34:02:03-34:02:04, 34:04, 34:10N, 34:13, 34:15	1		w	4						10				14	15														29																															62			
*34:02:02	1		w	4						10				14											25				29																															62			
*34:03	1		3	4						10				14	15														29																															62			
*34:06, 66:01:01-66:01:03, 66:04, 66:06-66:07, 66:09-66:10, 66:14, 66:18-66:20, 66:22, 66:24, 69:02	1									10				14															29																																	
*34:07	1		w	4						10					15														29																															62			
*34:08	1		w	4						10				14	15														29											40																			62			
*34:09	1		w	4											15														29																															62			
*34:12	1									10				w												26			29																																		ontrol
*34:14										10				w															29																																		

| | | |