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
HLA-C allele[1,2,3]																																													
*12:02:01-12:02:05, 12:02:07, 12:02:09-12:02:11, **12:02:13**, 12:56, 12:64, 12:67-12:69, 12:74, 12:85, 12:96, 12:103, 12:106, 12:112, 12:114, 12:117, 12:124, 12:126-12:128, 12:130, 12:134, 12:136-12:137, 12:142, 12:145, 12:151, 12:161-12:162, 12:164	1	2							9			12																																	
*12:02:06, 12:02:08, **12:02:12**	1								9			12													25																				
***12:03:01:01**-12:03:01:03, 12:03:03, **12:03:05**-12:03:07, **12:03:10-12:03:12**, **12:03:14-12:03:15**, **12:03:17-12:03:18**, 12:03:21-**12:03:23**, 12:03:25-**12:03:29**, 12:03:31, 12:03:33, **12:03:35**-12:03:37, 12:51-12:53, 12:57, 12:61, 12:65-12:66, 12:70-12:71, 12:75-12:79, 12:87-12:89, 12:91-12:93, 12:95, 12:97, 12:100, 12:107, 12:115-12:116, 12:119-12:121, 12:129, 12:131, 12:133, 12:138, 12:140-12:141, 12:149-12:150, 12:152, 12:157-12:158, 12:163, 12:165, 12:167	1		3						9	10		12																																Negative Control
*12:03:02, **12:03:08**, 12:03:16, 12:03:20, 12:03:30, 12:144	1		3						9			12																																
***12:03:04**	1		3						9	10							17																											
***12:03:09, 12:159**[5]	1		3						9	10		12					17																											
***12:03:13**	w		3						9	10		12																																
***12:03:19**, 12:03:32	1	2	3						9			12															27																	
*12:03:24	1		3						9	10		w																																
*12:03:34:01-12:03:34:02	1		3						9																																			
*12:04:01	1		3	4					9																															40				
***12:04:02**	1		3	4			7		9	10																														40				
***12:05**			3	4	5		7			10																																		
*12:06, 12:48, 12:81[5]	1		3			6			9	10		12																																
***12:07**	1		3					8	9	10		12																																
*12:08	1	2				6			9			12																																
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
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
***12:09**, 05:16, 05:85, 05:107[4]				4	5		7				11																																		
*12:10:01-12:10:02	1	2							9			12	13																																
*12:11	1		3						9	10		12		14																															
*12:12	1		3						9	10		12			15																														
***12:13**	1		3						9	10		12				16																													
*12:14:01	1								9			12				16					21																								
*12:14:02	1	2							9			12				16			19		21																								
*12:15	1		3					8	9	10		12										22																38							
***12:16**, 01:21[4]		2							9			12		14																															
*12:17	1	2							9			12						18																											
***12:18:01**, 12:83	1	2							9			12							19		21																								
*12:18:02, 08:21[4]	1								9			12									21																								
***12:19**	1								9			12								20																									
*12:20	1								9	10		12									21																								
***12:21**				4	5		7															22			25																				
*12:22	1	2							9			12								20																									
***12:23**	1		3						9	10		12										22																							
***12:24**	1								9	10	11	12																																Negative Control
***12:25**	1		3						9	10		12							19																									
*12:26	1		3						9			12											23																					
***12:27**	1	2							9									18																											
***12:28**	1		3							10		12												24																				43	
*12:29, **12:38**[5]	1		3						9	10		12																	29															
***12:30,** 12:36[5]	1	2							9			12															27																	
*12:31, 12:156	1		3						9	10		12	13																															
*12:32, **12:34**[5]	1		3						9	10		12																		30														
*12:33, 02:05:01-02:05:03, 02:17[4]			3	4	5		7																																					
***12:35**	1		3						9	10		12						18																											
***12:37**	1		3						9	10		12																				32												
***12:39N**	1		3						9	10		12													25																				
*12:40	1	2						8	9			12																																
***12:41**	1	2		4			7		9																															40				
***12:42Q**	1		3						9	10		12																	29		31													
***12:43**	1		3						9	10		12												24																				
***12:44**	1	2							9			12														26																		
***12:45, 12:50**[5]	1		3						9	10		12																28																
*12:46N, **12:139**[5]	1		3						9	10		12								20																								
***12:47**	1		3						9	10		12																			31													
*12:49		2			5							12																																
***12:54**	1		3	4			7		9	10																						32												
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
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
*12:55			3						9	10		12																																
***12:58**	1		3							10		12								20																								
***12:59**	1		3						9			12																											39					
***12:60**	1		3	4			7		9	10				14																										40				
***12:62**	1		3						9	10		12																				32				36								
***12:63**	1		3							10		12											23																					
***12:72**	1	2							9			w																												40				
***12:73**	1	2							9			12																									37							
*12:80N	1	2						8	9			12																			31													
***12:82**	1		3						9	10		12																											39					
*12:84N	1	2							9			12																			31													

| | | |

*02:27:01-02:27:02, 02:87, 03:04:25, 04:11, 08:02:01:01-08:02:01:02, 08:02:04-08:02:10, 08:02:12, 08:15:01-08:15:02, 08:17-08:19, 08:23, 08:27, 08:29-08:35, 08:37, 08:43, 08:45, 08:48-08:49, 08:51-08:53, 08:55N, 08:62-08:63, 08:67-08:71, 08:74-08:77, 08:90, 08:92, 08:94, 08:100, 08:107-08:108, 08:110-08:112, 08:114-08:116, 08:118, 08:120, 08:125, 14:08, 14:54, 16:01:01:01, 16:01:03-16:01:15, 16:01:18-16:01:19, 16:06-16:08, 16:10-16:11, 16:16Q-16:18, 16:20-16:24, 16:27-16:28, 16:30N-16:32, 16:34, 16:38-16:39:02, 16:41, 16:43-16:45, 16:49-16:52, 16:54, 16:56, 16:58-16:59, 16:62, 16:65, 16:67, 16:72-16:73, 16:75-16:76, 16:79, 16:83, 16:86					5						12																																								Negative Control
*02:42, 02:107, 05:98				4	5		7							14																																						
*02:49, 04:03:01, 04:06, 04:16, 04:103, 04:147, 04:171, 04:190, 05:42	1			4			7																																			40			43					
*02:55:01-02:55:02, 04:107, 05:46, 16:25	1			4			7		9																																	40								
*02:56, 05:81				4	5		7																					28																						
*02:65, 05:20, 16:57				4	5		7																									32																	
*02:75, 04:10, 04:153, 04:210, 04:215N, 05:25, 16:46				4	5		7																																						43					
*03:08, 03:29, 03:31						6																																												
*03:15, 18:09	1			4																																						40								
*03:27	1								9																																									
*03:38:01-03:38:02	1								9																	26																								
*03:53	1																		18																															
*03:69, 03:136, 03:274	1																									26																								
*03:102, 03:263, 07:24, 07:81, 07:168, 07:218, 07:450																												28																						
*03:104, 07:01:20, 07:01:27, 07:02:38, *B*08:144, B*18:77, B*40:29*																				19																														
*03:130	1			4					9																	26						32																		
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			
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			
*03:140, 03:243, 07:49, 07:210, 07:238, 07:247, 07:403				4																												32																	
*03:163	1			4					9																	26																40								
*03:171, 03:211:01																																		34																
*03:246	1					6			9																	26																								
*03:297	1			4																						26																40								
*04:01:01:01-04:01:04, 04:01:06-04:01:09, 04:01:11-04:01:22, 04:01:24-04:01:28, 04:01:30-04:01:47, 04:01:49-04:01:69, 04:03:02-04:05, 04:07-04:09N, 04:13-04:15:03, 04:17-04:20, 04:23-04:26, 04:28, 04:30-04:32, 04:34-04:35, 04:38-04:44, 04:46-04:51, 04:53-04:54, 04:56-04:57, 04:59Q-04:79, 04:81-04:96, 04:98:01-04:99, 04:101-04:102, 04:104-04:106, 04:108-04:111, 04:113, 04:115N, 04:117-04:129, 04:131-04:139, 04:141-04:143, 04:145-04:146, 04:149-04:152, 04:154-04:159, 04:161-04:165, 04:167-04:168, 04:170N, 04:173N-04:177, 04:179, 04:180:02-04:189, 04:191N-04:209, 04:211-04:213, 04:216-04:217N				4			7																																	40			43					Negative Control
*04:01:05				4			7						13											24	25																40			43					
*04:01:10, 04:01:23, 04:130, 06:02:16, 06:02:43, 06:35, 06:40, 06:72, 06:79N, 06:81, 06:101, 06:123, 06:127:01-06:127:02, 06:136, 06:144, 07:09, 07:76:01-07:76:02, 07:315, 07:406, 18:01-18:08				4																																				40								
*04:01:29																																								40			43					
*04:01:48, 04:45, 04:97, 04:148				4			7																																				43					
*04:12				4			7											18																						40			43					
*04:27, 04:116				4			7																																	40								
*04:29												12																															43					
*04:33				4			7		9																															40								
*04:36, 08:28, 16:26					5							12																															43					
*04:37				4			7				11																													40			43					
*04:52				4			7													20																				40								
*04:55					5							12								20																													
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			
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			
*04:58				4			7									16																								40			43					
*04:80	1			4			7																			26														40			43					
*04:100, 04:178				4			7																			26														40			43					
*04:112				4		6	7																																	40			43					
*04:114				4			7																									32											43					
*04:140, 04:166				4			7							14																										40			43					
*04:144				4			7																											34						40			43					
*04:160	1			4			7									16																								40			43					
*04:169, 05:36, 16:70				4	5	6	7																																										
*04:172, 07:181									9			12																																					
*04:180:01				4			7																					28												40			43					
*04:214					5							w																															43					Negative Control

*05:01:24				4	w		w																																														Negative Contr
*05:11, 05:17, 05:27, 05:68, 05:79, 05:115, 08:10, 15:02:01:01-15:02:09, 15:02:11-15:02:13, 15:02:15-15:02:16, 15:02:18-15:02:24, 15:04:01-15:05:10, 15:06:01-15:06:03, 15:09-15:11, 15:13, 15:15, 15:17-15:19, 15:22-15:24, 15:26-15:42, 15:44, 15:46-15:50, 15:52-15:61, 15:64, 15:66, 15:68-15:70, 15:72-15:73, 15:76-15:82, 15:86-15:87, 15:96Q, 15:104-15:105Q, 15:107-15:112, 15:114-15:115N, 15:117, 16:48				4	5		7														21																															
*05:23, 05:62				4	5		7										16																																			
*05:55				4	5		7													20																															
*05:93				4	5		7																														34														
*05:109, 16:69				4			7																																												
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						
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						
*06:02:01:01-06:02:01:03, 06:02:03-06:02:11, 06:02:13-06:02:15, 06:02:17-06:02:23, 06:02:25-06:02:37, 06:02:39-06:02:42, 06:02:44, 06:07-06:10, 06:12-06:13, 06:15-06:19, 06:21-06:29, 06:31-06:34:02, 06:36-06:39, 06:42-06:43:02, 06:45-06:51, 06:53:01-06:64, 06:66-06:71, 06:74Q-06:75, 06:77-06:78, 06:80, 06:83-06:86, 06:88-06:100, 06:102-06:117, 06:119-06:121, 06:125-06:126, 06:128N-06:131, 06:133-06:135, 06:137, 06:139-06:142, 06:145-06:146, 06:148-06:152N, 06:154-06:166			3	4																																				40											
*06:02:12, 06:52			3																																					40											
*06:02:24, 06:65, 06:138			3	4																																															
*06:02:38			3	4						10							17							24																40											
*06:03:01-06:03:02, 06:76:01, 06:132:01-06:132:02	1		3	4																																				40											
*06:04:01, 06:153				4																	21																			40											
*06:05				4	5		7				11			w																														43							
*06:06, 14:49				4							11																													40											
*06:11, 06:147			3									12																																							
*06:14, 06:143				4																						26														40											
*06:20, 06:87			3	4																								28												40											
*06:30			3	4					9																															40											
*06:41			3	4																										30										40											
*06:44			3	4		6																																													
*06:73			3	4																														34						40											
*06:76:02	1		3	4			7			10														24																40				43							
*06:82			3	4																												32																			
*06:118				4												16					21																			40											
*06:122			3									w																												40											
*06:124			3									w																																							
*07:01:13, 07:04:01-07:04:10, 07:11-07:12, 07:45, 07:63, 07:68, 07:101, 07:139, 07:142, 07:199:01-07:199:02, 07:272, 07:302, 07:323-07:324, 07:329N, 07:338, 07:354-07:355, 07:358, 07:364-07:365, 07:378, 07:394-07:395, 07:420, 07:426, 07:428, 07:459, 08:02:03, 16:01:16												12																																							
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						
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						
*07:02:09												12		14																													43							
*07:07				4					9																															40											
*07:10, 07:43, 07:196																										26																									
*07:16, 07:51									9																																										
*07:26, 07:92, 07:96:01-07:96:02, 07:314:01-07:314:02, 07:317	1																																																		
*07:102, *B*42:18*																																							39												
*07:204, *A*02:211:01, A*02:594, A*24:261, A*68:46, A*68:76:01-A*68:76:02, B*07:253*																																32																			
*07:214, 07:429, *A*02:466, A*02:504, A*02:596*																											27																								
*07:351, *B*07:15, B*07:160*	1																																						39												
*07:367									9																	26																									
*07:447												12					17							24																											
*08:01:01-08:01:18, 08:03:01-08:04:03, 08:06, 08:08:01-08:09, 08:11, 08:13, 08:16:01-08:16:02, 08:22, 08:24, 08:26N, 08:36N, 08:38-08:39, 08:41-08:42, 08:44, 08:46, 08:50, 08:54, 08:56-08:61, 08:65-08:66, 08:72:01-08:72:02, 08:78-08:79, 08:81-08:89N, 08:91, 08:93, 08:96-08:99, 08:101-08:102, 08:105-08:106, 08:109, 08:113, 08:117, 08:119, 08:121N, 08:124, 14:53, 15:07, 16:35, 16:40					5							12									21																															Negative Control
*08:01:19					5							12	13								21	22			25																											
*08:02:02					5							12													25																											
*08:05, 08:25, 16:15:01	1								9			12																																							
*08:07, 08:47					5							12				16																																			

*08:12, 14:02:03, 14:03, 14:22, 14:35N, 14:38, 14:41, 14:61, 14:70, 16:53, 16:68					5						11	12																																					
*08:14, 08:80					5							12		14							21																												
*08:20, 08:40					5							12									21														34													
*08:73, *B*35:08:02, B*35:08:05*												12			15																																		
*08:95					w							w									21																												
*08:103, 16:80					5							12		14																																			
*08:104					5							12				16					21																												
*08:122					5							12							19		21																												
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		
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		
*08:123, 16:13					5							12																28																			
*14:02:08										10	11		13				17																														
*14:04				4					9		11																					32															
*14:10					5						11	12								20																											
*14:48											11									20							27																			
*15:02:10, 15:02:17				4																	21																										
*15:02:14				4	5		7	8													21	22																38								
*15:03, 15:16	1			4			7		9												21					26													40							
*15:05:11, 15:71					5																21																										
*15:12				4	5		7													20	21																										
*15:21, 15:116					5							w									21																										
*15:25	1											12														26																		43		
*15:45, 15:67				4	w		7														21																										
*15:62				4	5		7														21																							43		
*15:63, 15:113				4	5		7							14							21																										
*15:65				4	5		7									16					21																										
*15:83				4			7														21																										
*15:85				4	5		7														21											32														
*15:88-15:95N, 15:97-15:98, 15:100-15:101, 15:103, 15:106				4	5	6	7														21																										
*15:99				4		6															21																										
*15:102				4	5	6	7				11																																				
*16:01:17					5					10		12																																			
*16:02:13		2		4	5		7																				27																			
*16:04:01, 16:04:03, 16:29, 16:33, 16:42, 16:66, 16:78, 16:82			3		5							12																																			
*16:14					5			8				12																																			
*16:36					5							12											23																								
*16:37					5							w																																			
*16:55			3		5							12																																43		
*16:61			3		5							12																28																			
*16:64	1					6						12																																43		
*16:71					w							w																																			
*16:81					5							12															27																				
*16:87					5	6						12																																			
*17:01:01:01-17:01:03, 17:01:05-17:10, 17:12-17:14, 17:16, 17:18-17:19, 17:21, 17:23-17:25, 17:28-17:30	1			4					9							16					21																			40							
*17:01:04	1			4			7		9							16					21																			40							
*17:11, 17:26	1			4												16					21																			40							
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		
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		
*17:15	1			4												16					21																										
*17:17	1			4					9							16																								40							
*17:20				4					9							16					21																			40							
*17:22	1								9							16					21																										
*17:27N	w			4					9							16					21																			40							
*A*02:335*																																32				36											
*A*11:197, A*26:67, A*68:95*																															31																
*B*07:13*	1								9																														39							
*B*15:181N, B*57:50*																													29																		
*B*27:05:27*																	17								25																						
*B*35:12:03, B*44:03:24, B*53:01:06*																																										42					
*B*40:02:21*																									25													38									
*B*46:51Q*																													29		31																
*B*53:34, B*58:21*																																					37										
*B*56:08*																																									41						
*B*67:02*	1								9			12		14																									39							
Allele	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		

Negative Control

Negative Control