

HISTO TYPE B*57:01/B*51, Lot: 607P1

Hit table

Allele database: allele marsh HLADB_3.22.0

Tube	1	2	3	4	5	6	7	8
5'-primer(s)	209	285	272	206	141	272	69	
	⁵ -ggC ³	⁵ -gCg ³	⁵ -CTT ³	⁵ -gAA ³	⁵ -ATT ³	⁵ -CTT ³	⁵ -Tgg ³	
	209			261				
	⁵ -ggA ³			⁵ -AAC ³				
3'-primer(s)	255	320	362	435	311	311	302	
	⁵ -CCg ³	⁵ -Agg ³	⁵ -TCg ³	⁵ -TCT ³	⁵ -CgA ³	⁵ -CgA ³	⁵ -ggC ³	
		418						
		⁵ -gTA ³						
		500						
		⁵ -ggA ³						
		539						
		⁵ -TCC ³						

Allele	Sero.	1	2	3	4	5	6	7	8
*07:02:01-07:02:10/07:02:12-07:05:02/07:05:04-07:10/07:12-07:26/07:28-07:35/07:37/07:39-07:56/02:07:58-07:74/07:76-07:80/07:82-07:148/07:150-07:179/07:181N-07:218/07:220-07:235/07:237-07:239/07:241-07:252/07:254-07:256, 08:01:01-08:01:03/08:01:05-08:01:31/08:04-08:05/08:07-08:08N/08:10-08:16/08:18-08:46/08:48-08:51/08:53-01-08:77/08:79-08:83/08:85-08:116/08:118-08:125/08:127-08:130/08:132-08:138/08:140-08:156, 13:09, 14:01:01-14:50, 15:01:01-15:01:04/15:01:06-15:08:02/15:10:01-15:12/15:14-15:15/15:18:01-15:21/15:25:01-15:35/15:37-15:40/15:42/15:44-15:56/15:58/15:60-15:66/15:68-15:86/15:88/15:90-15:94N/15:96-15:99/15:101-15:114/15:116-15:129/15:131-15:134/15:136-15:156/15:158-15:161/15:163-15:167/15:169-15:176/15:178-15:195/15:197-15:207/15:209N-15:215/15:217-15:221/15:223-15:229/15:231-15:251/15:253/15:255/15:257-15:267/15:269-15:272N/15:274-15:338/15:340-15:355/15:357-15:360/15:363-15:374, 18:01:01-18:08/18:10-18:15/18:17N-18:48/18:50-18:53/18:55-18:66/18:68-18:78/18:80-18:107/18:109-18:116, 27:04:05/27:08/27:12/27:18/27:26/27:33/27:40/27:44/27:138, 35:01:01-35:01:09/35:01:11-35:03:02/35:03:04-35:04:01/35:04:03-35:26/35:28-35:36/35:38-35:55/35:57-35:59/02:35:61-01-35:72/35:74-35:184/35:186-35:202/35:204-35:234/35:236-35:250/35:252-35:264/35:266-35:272/35:274-35:275/35:277-35:298/35:300, 37:11/37:14/37:37, 39:01:01-39:01:01-04/39:01:03-39:06:04/39:07-39:19:02/39:22-39:82/39:84-39:107, 40:01:01-40:01:04/40:01:07-40:12/40:14-01-40:16/40:18/40:20-40:25/40:27-01-40:27:02/40:29-40:36/40:38-40:40/40:42-40:46/40:48-40:94/40:97-40:108/40:111-40:116/40:118N-40:156/40:158-40:187/40:189-40:200/40:202-40:255/40:257-40:291N/40:293-40:317, 41:01:01-41:41, 42:01:01-42:02:01:02/42:04-42:14/42:16-42:21, 44:09/44:46/44:90/44:129/44:131, 45:01:01-45:17, 46:01:01-46:64, 47:02-47:03, 48:01:01-48:17/48:19-48:37, 50:01:01-50:02/50:04-50:13/50:15-50:20/50:31-50:43, 54:01:01-54:11/54:13-54:23/54:25-54:34, 55:01:01-55:01:03/55:01:05-55:05/55:07-55:11/55:13-55:76, 56:01:01-56:04/56:08-56:20/02:56:22-56:40/56:42-56:49, 58:64, 67:01:01-67:05, 73:01-73:02, 78:05, 81:01-81:08, 82:01-82:03, 83:01	B7, -, B703, B7/B42, Null, B8, B64(14), B65(14), B14, B62(15), B75(15), B72(70), B71(70), B76(15), B15, B35, B18, B2708, B35/22, B3901, Low B39, B3902, B39(16), B60(40), B61(40), B4005, B41, B45(12), B46, B47, B48, B48/40, B50(21), B54(22), B55(22), B22, B56(22), B67, B73, B81, B82							7	
*07:02:11/07:05:03, 15:09/15:252, 35:01:10/35:04:02/35:251, 40:01:06/40:26/40:28/40:95, 50:14, 55:01:04, 56:05:01-56:06, 78:03	B7, B70, -, B35, B60(40), B21, B55(22), B56(22), B78				4			7	
*07:38, 08:03/08:52/08:78, 38:06-38:07, 51:148, 53:01:01-53:02/53:04-53:05/53:07-53:08:02/53:10/53:14-53:16/53:18-53:27/53:29-53:30/53:32-53:35/53:37/53:39/53:41	-, B8, B53						6		
*07:219, 58:22/58:27-58:28:02/58:65	-		2						
*08:09/08:84, 35:37/35:60/35:235/35:265/35:273/35:276, 39:83, 54:24	B8, -, B35			3				7	
*44:06, 51:42/51:45/51:62/51:81, 52:06:01-52:06:02, 53:06	B44(12), -					5	6		
*44:62, 49:18, 51:07:02, 56:21	-				4				
*49:03, 52:01:02/52:01:04/52:01:09/52:02:01/52:03/52:09/52:10:03/52:21/52:31:02, 58:08:01, A*23:01:14	-, B52(5), B17					5			
*51:01:01-51:01:01:02/51:01:03/51:01:05-51:01:07/51:01:10-51:01:16/51:01:18-51:01:39/51:01:41-51:01:42/51:01:44-51:02:01/51:02:03/51:02:05-51:03/51:08-01-51:09-01/51:09:03/51:11N-51:12/51:13-02-51:14/51:16-51:21/51:23/51:24-03-51:24:05/51:26-51:41N/51:43-51:44N/51:46/51:48-51:49/51:51-51:53/51:55/51:57-51:58/51:60-51:61:02/51:63/51:65-51:77/51:79-51:80/51:82-51:88/51:90-51:91/51:92:02/51:94-51:102/51:104-51:113/51:115/51:117/51:120-51:131/51:133-51:134/51:136-51:138/51:140-51:143/51:145-51:147/51:149N-51:151/51:153-51:156/51:158-01-51:175/51:177-51:178N/51:181-51:189/51:191-51:193/51:195	B51(5), -, B5102, B5103, Null			3	4	5	6		
*51:01:02/51:01:09/51:02:02/51:05/51:09:02/51:93/51:103/51:116/51:119/51:132/51:144/51:176/51:179-51:180	B51(5), B5102, -			3	4		6		
*51:01:04/51:02:04/51:10/51:13:01/51:24-01-51:24:02/51:92:01/51:157	B51(5), B5102, -			3		5	6		
*51:01:08/51:01:43	B51(5), -			3	4	w	w		
*51:01:17	-			w	4	5	w		
*51:01:40/51:54/51:78:01-51:78:02, 78:09	-			3	4				
*51:04/51:06:01-51:06:03/51:56:01-51:56:03/51:59/51:64/51:118N/51:135/51:139/51:152/51:190/51:194	B51(5), -, Null				4	5	6		
*51:07:01/51:22	B51(5), -				4	5			

HISTO TYPE B*57:01/B*51, Lot: 607P1

Hit table

Allele database: allele marsh HLADB_3.22.0

Allele	Sero.	1	2	3	4	5	6	7	8
*51:15, 52:06:03, 59:01:01:01-59:07/59:09	-, B59			3			6		
*51:50/51:89	-			3	4	w	6		
*51:114	-			w	4	5	6		
*57:01:01-57:01:19/57:01:21-57:01:22/57:10-57:11/57:14:01-57:16/57:18/57:21-57:27/57:29/57:31-57:38/57:40-57:41/57:43-57:44/57:47-57:50/57:52-57:56/57:58-57:62/57:64-57:65/57:67:01-57:68/57:71-57:79N, 58:36	B57(17), -, Null	1							
*57:01:20	-	1				5			
*57:02:01-57:09/57:13/57:17/57:19/57:28N/57:30/57:39/57:42/57:46/57:57/57:63/57:66/57:70/57:80	B57(17), -, Null	1	2						
*57:12	-	1	2					7	
*57:20	-	w							
*78:01:01-78:02:02/78:04/78:07-78:08	B78, -			3	4			7	
Contamination control									8
Allele	Sero.	1	2	3	4	5	6	7	8

HISTO TYPE B*57:01/B*51, Lot: 607P1

Specificity table

Allele database: allele marsh HLADB_3.22.0

Primer Mix	Size of spec PCR product	Size of control band	Amplified specific alleles	Other amplified class I alleles
1	85 bp	1070 bp	*57:01:01-57:19/57:20 ^W /57:21-57:44/57:46-57:50/57:52-57:68/57:70-57:80, 58:36	
2	75 bp, 420 bp, 500 bp, 540 bp	1070 bp	*07:219, 57:02:01-57:09/57:12-57:13/57:17/57:19/57:28N/57:30/57:39/57:42/57:46/57:57/57:63/57:66/57:70/57:80, 58:22/58:27-58:28:02/58:65	
3	375 bp	1070 bp	*08:09/08:84, 35:37/35:60/35:235/35:265/35:273/35:276, 39:83, 51:01:01:01-51:01:16/51:01:17 ^W /51:01:18-51:03/51:05/51:08:01-51:21/51:23-51:24:05/51:26-51:41N/51:43-51:44N/51:46/51:48-51:55/51:57-51:58/51:60-51:61:02/51:63/51:65-51:80/51:82-51:113/51:114 ^W /51:115-51:117/51:119-51:134/51:136-51:138/51:140-51:147/51:149N-51:151/51:153-51:189/51:191-51:193/51:195, 52:06:03, 54:24, 59:01:01:01-59:07/59:09, 78:01:01-78:02:02/78:04/78:07-78:09	
4	515 bp, 460 bp	1070 bp	*07:02:11/07:05:03, 15:09/15:252, 35:01:10/35:04:02/35:251, 40:01:06/40:26/40:28/40:95, 44:62, 49:18, 50:14, 51:01:01:01-51:01:03/51:01:05-51:02:03/51:02:05-51:09:03/51:11N-51:12/51:13:02-51:14/51:16-51:23/51:24:03-51:24:05/51:26-51:41N/51:43-51:44N/51:46/51:48-51:61:02/51:63-51:80/51:82-51:91/51:92:02-51:147/51:149N-51:156/51:158:01-51:195, 55:01:04, 56:05:01-56:06/56:21, 78:01:01-78:04/78:07-78:09	
5	210 bp	1070 bp	*44:06, 49:03, 51:01:01:01-51:01:01:02/51:01:03-51:01:07/51:01:08 ^W /51:01:10-51:01:39/51:01:41-51:01:42/51:01:43 ^W /51:01:44-51:02:01/51:02:03-51:04/51:06:01-51:07:01/51:08:01-51:09:01/51:09:03-51:14/51:16-51:24:05/51:26-51:46/51:48-51:49/51:50 ^W /51:51-51:53/51:55-51:77/51:79-51:88/51:89 ^W /51:90-51:92:02/51:94-51:102/51:104-51:115/51:117-51:118N/51:120-51:131/51:133-51:143/51:145-51:147/51:149N-51:175/51:177-51:178N/51:181-51:195, 52:01:02/52:01:04/52:01:09/52:02:01/52:03/52:06:01-52:06:02/52:09/52:10:03/52:21/52:31:02, 53:06, 57:01:20, 58:08:01	A*23:01:14
6	80 bp	1070 bp	*07:38, 08:03/08:52/08:78, 38:06-38:07, 44:06, 51:01:01:01-51:01:07/51:01:08 ^W /51:01:09-51:01:16/51:01:17 ^W /51:01:18-51:01:39/51:01:41-51:01:42/51:01:43 ^W /51:01:44-51:06:03/51:08:01-51:21/51:23-51:24:05/51:26-51:46/51:48-51:53/51:55-51:77/51:79-51:195, 52:06:01-52:06:03, 53:01:01-53:02/53:04-53:08:02/53:10/53:14-53:16/53:18-53:27/53:29-53:30/53:32-53:35/53:37/53:39/53:41, 59:01:01:01-59:07/59:09	

HISTO TYPE B*57:01/B*51, Lot: 607P1

Specificity table

Allele database: allele marsh HLADB_3.22.0

Primer Mix	Size of spec PCR product	Size of control band	Amplified specific alleles	Other amplified class I alleles
7	400 bp	1070 bp	*07:02:01-07:10/07:12-07:26/07:28-07:35/07:37/07:39-07:56:02/07:58-07:74/07:76-07:80/07:82-07:148/07:150-07:179/07:181N-07:218/07:220-07:235/07:237-07:239/07:241-07:252/07:254-07:256, 08:01:01-08:01:03/08:01:05-08:01:31/08:04-08:05/08:07-08:16/08:18-08:46/08:48-08:51/08:53:01-08:77/08:79-08:116/08:118-08:125/08:127-08:130/08:132-08:138/08:140-08:156, 13:09, 14:01:01-14:50, 15:01:01:01-15:01:04/15:01:06-15:12/15:14-15:15/15:18:01-15:21/15:25:01-15:35/15:37-15:40/15:42/15:44-15:56/15:58/15:60-15:66/15:68-15:86/15:88/15:90-15:94N/15:96-15:99/15:101-15:114/15:116-15:129/15:131-15:134/15:136-15:156/15:158-15:161/15:163-15:167/15:169-15:176/15:178-15:195/15:197-15:207/15:209N-15:215/15:217-15:221/15:223-15:229/15:231-15:253/15:255/15:257-15:267/15:269-15:272N/15:274-15:338/15:340-15:355/15:357-15:360/15:363-15:374, 18:01:01:01-18:08/18:10-18:15/18:17N-18:48/18:50-18:53/18:55-18:66/18:68-18:78/18:80-18:107/18:109-18:116, 27:04:05/27:08/27:12/27:18/27:26/27:33/27:40/27:44/27:138, 35:01:01:01-35:03:02/35:03:04-35:26/35:28-35:55/35:57-35:72/35:74-35:184/35:186-35:202/35:204-35:298/35:300, 37:11/37:14/37:37, 39:01:01:01-39:01:01:04/39:01:03-39:06:04/39:07-39:19:02/39:22-39:107, 40:01:01-40:01:04/40:01:06-40:12/40:14:01-40:16/40:18/40:20-40:36/40:38-40:40/40:42-40:46/40:48-40:95/40:97-40:108/40:111-40:116/40:118N-40:156/40:158-40:187/40:189-40:200/40:202-40:255/40:257-40:291N/40:293-40:317, 41:01:01-41:41, 42:01:01-42:02:01:02/42:04-42:14/42:16-42:21, 44:09/44:46/44:90/44:129/44:131, 45:01:01-45:17, 46:01:01-46:64, 47:02-47:03, 48:01:01-48:17/48:19-48:37, 50:01:01-50:02/50:04-50:20/50:31-50:43, 54:01:01-54:11/54:13-54:34, 55:01:01-55:05/55:07-55:11/55:13-55:76, 56:01:01:01-56:06/56:08-56:20:02/56:22-56:40/56:42-56:49, 57:12, 58:64, 67:01:01-67:05, 73:01-73:02, 78:01:01-78:05/78:07-78:08, 81:01-81:08, 82:01-82:03, 83:01	
8			Contamination Control	

Alleles not reacting with any reagent:

B*57:45/57:51/57:69