

INTERPRETATION TABLE

HLA-A*31 SSP subtyping

Amplification patterns of the A*31:01 to A*31:62 alleles

	Well ¹⁰															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	155	215	155	165	110	130	505	155	75	115	135	245	85	150	150	80
PCR product(s)					135	165		220		160	210				225	165
Length of int.	800	800	800	1070	800	800	1070	1070	1070	1070	1070	1070	1070	800	1070	1070
pos. control ¹																
5'-primer ²	127	97	423	413	97	448	317	97	413	448	362	97	413	448	98	98
	5'-ggg ^{3'}	5'-TCA ^{3'}	5'-gCT ^{3'}	5'-CCg ^{3'}	5'-TCA ^{3'}	5'-CCT ^{3'}	5'-gCT ^{3'}	5'-TCA ^{3'}	5'-CCA ^{3'}	5'-CCT ^{3'}	5'-gAA ^{3'}	5'-TCA ^{3'}	5'-CCA ^{3'}	5'-CCT ^{3'}	5'-CAC ^{3'}	5'-CAC ^{3'}
					445			448			375			3 rd I	448	769
					5'-TCC ^{3'}			5'-CCT ^{3'}			5'-TgA ^{3'}			5'-ATA ^{3'}	5'-CCT ^{3'}	5'-Agg ^{3'}
					467						445					
					5'-CTA ^{3'}						5'-TCC ^{3'}					
3'-primer ³	238	270	538	539	341	536	538	214	448	524	538	299	456	559	281	221
	5'-CCT ^{3'}	5'-ACT ^{3'}	5'-CAA ^{3'}	5'-TCA ^{3'}	5'-CgT ^{3'}	5'-ACg ^{3'}	5'-CAA ^{3'}	5'-CCA ^{3'}	5'-CAA ^{3'}	5'-CAT ^{3'}	5'-CAA ^{3'}	5'-CCA ^{3'}	5'-TCg ^{3'}	5'-CCg ^{3'}	5'-AgC ^{3'}	5'-ACA ^{3'}
	238				538	570		278		565				621	559	808
	5'-CCT ^{3'}				5'-CAA ^{3'}	5'-CCg ^{3'}		5'-ggC ^{3'}		5'-Cag ^{3'}				5'-ggg ^{3'}	5'-CCT ^{3'}	5'-AgA ^{3'}
	245							559								
	5'-ACg ^{3'}							5'-CCg ^{3'}								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-A allele ^{4,5}																
*31:01:02-31:01:13, 31:14N, 31:20, 31:42-31:43, 31:45, 31:47, 31:49-31:54, 31:57-31:58, 31:61 ¹¹	1								9			12				
*31:02	1	2							9			12				
*31:03	1		3	4	5							12				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	155	215	155	165	110	130	505	155	75	115	135	245	85	150	150	80
PCR product(s)					135	165		220		160	210				225	165

					285											
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*31:04	1		3	4								12				
*31:05	1					6			9			12				
*31:06	1			4								12				
*31:07	1	2					7		9							
*31:08		2					7		9							
*31:09	1							8	9			12				
*31:10	1						7		9							
*31:11	1								9	10		12				
*31:12	1								9		11	12				
*31:13	1								9			12	13			
*31:15	1								9			12			15	
*31:16, 31:46 ⁶	1								9			12				16
*31:17	1								9			12				
*31:18	1								9			12				
*31:19	1								9			12				
*31:21	1								9							
*31:22	1								9			12				
*31:23	1								9			12				
*31:24	1							8	9			12		14		
*31:25	1								9			12			15	
*31:26	1				5				9		11	12				
*31:27	1							8	9			12				
*31:28	1								9			12				
*31:29, 31:59 ⁸	1								9			12				
*31:30	1								9			12				
*31:31	1								9			12				
*31:32	1								9			12				
*31:33	1								9							
*31:34	1								9			12				
*31:35	1								9			12				
*31:36, 31:48 ⁹	1								9			12				
*31:37	1								9			12				
*31:38	1				5				9			12				
*31:39	1					6			9			12				
*31:40	1								9			12				
*31:41	1								9	10		12				
*31:44									9			12				
*31:55	1								9			12				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	155	215	155	165	110	130	505	155	75	115	135	245	85	150	150	80
PCR product(s)					135	165		220		160	210				225	165
					285											
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

*11:01:28								8							14	
*11:43					5							12				
*23:03:01						6	7		9							
*23:21	1						7									
*23:43							7									
*24:82		2														
*24:124, 26:19, 30:12, 30:18, B*15:82, B*40:186	1															
*29:03				4		6										
*29:07				4												
*29:12				4											16	
*29:13, 32:30, 32:32				4			7									
*29:14	1			4												
*29:19, 33:18				4								12				
*29:28, C*02:02:15																
*29:33						6				10						
*32:01:01-32:01:05, 32:01:08-32:01:11, 32:01:13, 32:03, 32:05, 32:07-32:09, 32:11Q- 32:12, 32:14-32:21, 32:23-32:25, 32:27N, 32:29, 32:31, 32:33- 32:35, 32:37-32:41							7		9							
*32:06							7		9	10						
*32:10									9							
*32:13						6	7		9							
*32:26							7		9						15	
*32:36					5		7		9		11					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	155	215	155	165	110	130	505	155	75	115	135	245	85	150	150	80
PCR product(s)					135	165		220		160	210				225	165
					285											
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*33:01:01-33:01:04, 33:01:06, 33:03:01- 33:07, 33:09, 33:11- 33:12, 33:14, 33:16, 33:20-33:31, 33:33- 33:47, 33:49-33:50, 33:52, 33:54-33:57, 33:59									9			12				
*33:01:05, 33:19, 33:32:01-33:32:02, 68:29												12				
*33:08, 33:53		2							9			12				

*33:10						6			9			12				
*33:13					5				9							
*33:15									9			12				
*33:58									9			12				16
*34:02:01, 34:02:03- 34:03, 34:07-34:09			3	4												
*34:04	1		3	4												
HLA-A allele^{4,5}																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE

HLA-A*31 SSP subtyping

Amplification patterns of the A*31:01 to A*31:62 alleles

Well ¹⁰																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
155	200	110	165	180	150	165	150	135	130	95	110	115	160	75	75	Length of spec. PCR product(s)
235			325		190	200	220	245			175	275	245		115	
1070	1070	1070	1070	1070	1070	1070	1070	800	1070	800	1070	1070	800	1070	1070	Length of int. pos. control ¹
98	413	488	302	98	98	98	97	355	448	235	375	97	97	203	448	
5'-CAC ^{3'}	5'-CCA ^{3'}	5'-ggT ^{3'}	5'-ggA ^{3'}	5'-CTT ^{3'}	5'-CAC ^{3'}	5'-CAC ^{3'}	5'-TCA ^{3'}	5'-CCC ^{3'}	5'-CCT ^{3'}	5'-AgA ^{3'}	5'-TgA ^{3'}	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-gAA ^{3'}	5'-CCT ^{3'}	5'-primer ²
448			706		652	652	652	626		243	406	652	448			
5'-CCT ^{3'}			5'-CgA ^{3'}		5'-CTg ^{3'}	5'-CTg ^{3'}	5'-CTg ^{3'}	5'-CCT ^{3'}		5'-CCT ^{3'}	5'-gCT ^{3'}	5'-CTg ^{3'}	5'-CCT ^{3'}			
											467					
											5'-CTA ^{3'}					
221	571	559	346	238	214	221	277	448	536	290	538	331	299	238	482	3'-primer ³
5'-ACC ^{3'}	5'-CCT ^{3'}	5'-CgT ^{3'}	5'-AgC ^{3'}	5'-CCT ^{3'}	5'-CCA ^{3'}	5'-ACC ^{3'}	5'-ggT ^{3'}	5'-CAA ^{3'}	5'-ACg ^{3'}	5'-CAA ^{3'}	5'-CAA ^{3'}	5'-CTC ^{3'}	5'-CCC ^{3'}	5'-CCT ^{3'}	5'-TgC ^{3'}	
292			831		245	811	763	831	539			727	568		524	
5'-gTT ^{3'}			5'-TCC ^{3'}		5'-ACg ^{3'}	5'-CAT ^{3'}	5'-CAA ^{3'}	5'-TCC ^{3'}	5'-TCC ^{3'}			5'-CCA ^{3'}	5'-CTg ^{3'}		5'-CAT ^{3'}	
559					763											
5'-CCT ^{3'}					5'-CAA ^{3'}											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																HLA-A allele ^{4,5}
																*31:01:02-31:01:13, 31:14N, 31:20, 31:42-31:43, 31:45, 31:47, 31:49-31:54, 31:57-31:58, 31:61 ¹¹
																*31:02
																*31:03
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
155	200	110	165	180	150	165	150	135	130	95	110	115	160	75	75	Length of spec. PCR product(s)
235			325		190	200	220	245			175	275	245		115	

											205					
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																*31:04
																*31:05
																*31:06
																*31:07
																*31:08
																*31:09
																*31:10
																*31:11
																*31:12
																*31:13
																*31:15
																*31:16, 31:46 ⁶
17																*31:17
	18															*31:18
		19														*31:19
				21												*31:21
					22											*31:22
						23										*31:23
																*31:24
17																*31:25
					22											*31:26
							24									*31:27
								25								*31:28
									26							*31:29, 31:59 ⁸
										27						*31:30
											28					*31:31
																*31:32
													30			*31:33
													30			*31:34
														31		*31:35
													29			*31:36, 31:48 ⁹
															32	*31:37
											28					*31:38
									26							*31:39
17						23										*31:40
															32	*31:41
										27						*31:44
					22		24									*31:55
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
155	200	110	165	180	150	165	150	135	130	95	110	115	160	75	75	Length of spec.
235			325		190	200	220	245			175	275	245		115	PCR product(s)
											205					
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

																	*11:01:28
																	*11:43
								25									*23:03:01
18																	*23:21
																	*23:43
																	*24:82
																	*24:124, 26:19, 30:12, 30:18, B*15:82, B*40:186
								25									*29:03
																	*29:07
																	*29:12
																	*29:13, 32:30, 32:32
																	*29:14
																	*29:19, 33:18
								26									*29:28, C*02:02:15
																32	*29:33
																	*32:01:01-32:01:05, 32:01:08-32:01:11, 32:01:13, 32:03, 32:05, 32:07-32:09, 32:11Q- 32:12, 32:14-32:21, 32:23-32:25, 32:27N, 32:29, 32:31, 32:33- 32:35, 32:37-32:41
																32	*32:06
								26									*32:10
																	*32:13
17																	*32:26
																	*32:36
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
155	200	110	165	180	150	165	150	135	130	95	110	115	160	75	75	Length of spec.	
235			325		190	200	220	245			175	275	245		115	PCR product(s)	
											205						
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	
																*33:01:01-33:01:04, 33:01:06, 33:03:01- 33:07, 33:09, 33:11- 33:12, 33:14, 33:16, 33:20-33:31, 33:33- 33:47, 33:49-33:50, 33:52, 33:54-33:57, 33:59	
																*33:01:05, 33:19, 33:32:01-33:32:02, 68:29	
																*33:08, 33:53	

																	*33:10
																	*33:13
																	*33:15
																	*33:58
																	*34:02:01, 34:02:03-34:03, 34:07-34:09
																	*34:04
																	HLA-A allele^{4,5}
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.	