

INTERPRETATION TABLE

HLA-B*51 SSP subtyping

Amplification patterns of the B*5101 to B*5163 alleles

	Well ⁵																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Length of spec.	105	95	265	255	270	210	270	105	85	160	245	495	200	105	100	180	105	140	145	110	130
PCR product									195	245					230			220			185
									215												
Length of int.	800	###	###	###	###	800	###	800	###	###	###	###	###	###	800	###	800	800	800	###	###
pos. control ¹																					
5'-primer(s) ²	206	527	357	357	355	357	355	206	408	357	357	3rd	165	357	357	404	206	141	357	141	357
	5'-gAC ³ 5'-TgA ³ 5'-Tgg ³ 5'-Tgg ³ 5'-TCA ³ 5'-Tgg ³ 5'-CCC ³ 5'-gAC ³ 5'-ggT ³ 5'-Tgg ³ 5'-Tgg ³ 5'-CTT ³ 5'-AAC ³ 5'-Tgg ³ 5'-Tgg ³ 5'-CCC ³ 5'-gAC ³ 5'-ATT ³ 5'-Tgg ³ 5'-ATT ³ 5'-Tgg ³																				
									431							420		357			
									5-CgA ³							5'-TTA ³		5'-Tgg ³			
									540							431					
									5'-gAC ³							5'-CgA ³					
3'-primer(s) ³	272	583	583	571	583	527	583	272	583	477	559	621	322	419	414	559	272	242	463	211	445
	5'-TgA ³ 5'-gTg ³ 5'-gTA ³ 5'-CCC ³ 5'-gTg ³ 5'-CCA ³ 5'-gTg ³ 5'-Tgg ³ 5'-gTg ³ 5'-gCg ³ 5'-CTC ³ 5'-ggg ³ 5'-gTC ³ 5'-CgA ³ 5'-TgT ³ 5'-CAG ³ 5'-TgC ³ 5'-CCC ³ 5'-gCg ³ 5'-ggT ³ 5'-ggA ³																				
										559						544		538			502
										5'-CgT ³						5'-ggT ³		5'-gTC ³			5'-CTA ³
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
HLA-B allele ⁴																					
*510101, 510103-510108	1	2																			
*510102	1	2																			
*510109	1	2							10												
*510201, 510203-510204	1		3																		
*510202	1		3																		
*5103	1	2		4																	
*5104	1	2			5																
*5105	1		3			w															
*5106	1	2					7														
*5107		2						8													
*5108	1								9									18			
*510901	1					6															
*510902	1					6															
*5110	1		3			6				10	11								19		
*5111N	1	2										12									
*5112	1	2											13								
*511301-511302	1	2												14							
*5114	1	2													15						
*5115	1		3			6										16					
*5116	1	2									11										
*5117	1	2							9												
*5118	1	2														16					

*070503																					
*0736, 0738, 1513, 15170101-151702, 1524, 1587, 4818, 570101-5706, 5708, 5710, 5711, 5713, 5715-5719, 580101-5802, 5804-5807, 5810N-5816, 5818-5820																					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Length of spec.	105	95	265	255	270	210	270	105	85	160	245	495	200	105	100	180	105	140	145	110	130
PCR product									195	245					230			220			185
									215												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
*0765																					
*0809, 4101, 4105-4107, 4204, 5520			3							10								18	19		
*0832, 3529, 3569	1																				
*130201-130204, 1308Q, 1309, 1314, 1319, 5522			3			6					11										
*1303, 4611, 5403, 5601, 5607, 5608, 5614, 5616, 5617, 5624, 5904			3			6									16						
*1304			3			6															
*1315						6					11										
*1316, 5524			3								11										
*1318			3			w					11										
*1401-1409, 1537, 4051		2					7														
*150102, 1509, 4026																					
*1504			3																		
*1516, 1567, 1595, 4904, 4905			3																		
*1538		2					7														
*1542, 550101-550104, 5503, 5505, 5511, 5515, 5517, 5525, 5528, 5529. 5531. 5533			3							10											
*1573, 4071, 5602, 5604, 8201, 8202															16						
*1583, 4508			3							10								18			
*9537			3											14							

*180101-1802, 1805, 1806, 1808, 1809, 1812-1814, 1817N, 1818, 1820, 1823N-1825, 1827, 1828. 1831. 1832 *1803					7 8																			
*1804					7 8																			
*1807, 1829	1				7																			
*1810, 1811, 1821, 352001-352002, 3528, 3572, 3702, 3707, 3709, 5309 *1815, 1819, 1830					8																			
	2				7 8																			
*1822					5 8																			
*1826					7 8																			
*2714	3				6				10 11															
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
Length of spec.	105	95	265	255	270	210	270	105	85	160	245	495	200	105	100	180	105	140	145	110	130			
PCR product									195	245					230			220			185			
									215															
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
*2728, 3932					7																			
*350101-350801, 350803-3518, 3522, 3523, 3527, 3530- 3536, 3539-3544, 3548, 3550-3559, 3561, 3562, 3564- 356802, 3570, 3574, 3575, 3577, 3579, 3580, 3583, 3584, 3586-3594, 3806, 3807, 5303, 5311-5313	1																							
*3521	1	2			5																			
*3524	1				5																			
*3537	1	3			6																			
*3538	1																							
*3545, 3571	1																							
*3560	1		3			6				10														
*3576																								
*3581	1				5																			
*3582, 3585																	17							
*370101-370104, 3703N, 3705, 3708, 3710-3714								8																
*3704					5 8				9															

*3706, 4416, 4442																						
*390601-390602	3				6				10				14 15									
*391901-391902																	17					
*3933	3				w								14									
*3934, 5513, 5903			3			6				10				14								
*3943					7																	
*400106																						
*40060101-400602, 4053, 4070, 4075, 4083, 4093	3				6				10 11								19					
*4028		2				5																
*4044	3				6				10 11								19					
*4058																						
*4086	3				6				10 11				14				19					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Length of spec.	105	95	265	255	270	210	270	105	85	160	245	495	200	105	100	180	105	140	145	110	130	
PCR product									195	245					230			220			185	
									215													
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
*44020101-440205, 4405, 4408, 4409, 4411, 4412, 4414, 4417, 4419N, 4421- 4425, 4427, 4433, 4434, 4444, 4448, 4449, 4451-4453, 4455, 4458N, 4459, 4463, 8301																						
*440301-4404, 4407, 4413, 4426, 442801-4430, 4432, 4435, 4436, 4438- 4440, 4443, 4445, 4446, 4450, 4456N, 4457, 4460, 4461N																						
*4406	1																					
*4410																16						
*4415, 4418, 4501, 4505-4507	3												16				18					
*4420			3															18				
*4447	3				6																	
*4462																						
*4502	3												14				18					
*4503			3															18				
*4504, 5613	3												16				18					
*4509			3															18				

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*5619N	3				6																
*5620			3			6									16			19			
*5622	3				6								14								
*5707																					
*5709																					
*5714, 5809					5																
*7301					6				10 11				14				19				
*7801	1	2																			
*780201	1	2																			
*780202	1	2																			
*7803	2																17				
*7804	1		3			6															
*7805, 7806	2				8																
HLA-B allele ⁴																					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

INTERPRETATION TABLE																										
HLA-B*51 SSP subtyping																										
Amplification patterns of the B*5101 to B*5163 alleles																										
Well ⁵																										
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	
160	210	210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	100	115	290	190	80	125	
			175	155	270	255			225						225					135	215					
			205		350																					
###	###	###	800	800	###	###	###	800	800	###	###	###	###	###	###	###	###	###	###	800	800	800	###	800	800	
141	141	141	357	357	49	49	357	369	357	435	141	355	355	133	141	419	362	165	357	106	141	667	141	103	209	
5'-ATT ^{3'}	5'-ATT ^{3'}	5'-ATT ^{3'}	5'-Tgg ^{3'}	5'-Tgg ^{3'}	5'-CAG ^{3'}	49	5'-Tgg ^{3'}	5'-TAC ^{3'}	5'-Tgg ^{3'}	5'-AAA ^{3'}	5'-ATT ^{3'}	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-CCg ^{3'}	5'-ATT ^{3'}	5'-gTC ^{3'}	5'-gAC ^{3'}	5'-ACC ^{3'}	5'-Tgg ^{3'}	5'-CCA ^{3'}	5'-ATT ^{3'}	5'-AgA ^{3'}	5'-ATT ^{3'}	5'-CCT ^{3'}	5'-ggA ^{3'}	
			652	756	355	357									357				736	488						
			5'-CCg ^{3'}	5'-ACT ^{3'}	5'-TCA ^{3'}	5'-Tgg ^{3'}									5'-Tgg ^{3'}				5'-gCA ^{3'}	5'-Cgg ^{3'}						
259	311	309	445	419	83	83	559	435	419	559	295	572	538	309	265	583	583	309	539	163	214	916	292	141	292	
5'-gTT ^{3'}	5'-ggT ^{3'}	5'-ATC ^{3'}	5'-ggA ^{3'}	5'-Cgg ^{3'}	5'-TgA ^{3'}	5'-TgA ^{3'}	5'-CAG ^{3'}	5'-TCT ^{3'}	5'-Cgg ^{3'}	5'-CTC ^{3'}	5'-TCA ^{3'}	5'-gCg ^{3'}	5'-gTC ^{3'}	5'-ATC ^{3'}	5'-CTA ^{3'}	5'-gTg ^{3'}	5'-gTg ^{3'}	5'-ATC ^{3'}	5'-TCC ^{3'}	5'-ggC ^{3'}	5'-CCA ^{3'}	5'-gAT ^{3'}	5'-gTg ^{3'}	5'-gCA ^{3'}	5'-gTC ^{3'}	
			523	419	226	572			419						539				916	583	314					
			5'-ACA ^{3'}	5'-CgA ^{3'}	5'-CAC ^{3'}	5'-gCg ^{3'}			5'-CgA ^{3'}						5'-TCT ^{3'}				5'-gAT ^{3'}	5'-gTg ^{3'}	5'-gCC ^{3'}					
			787	872	583				539																	
			5'-TCC ^{3'}	5'-TCA ^{3'}	5'-gTg ^{3'}				5'-TCC ^{3'}																	
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	
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160	210	210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	100	115	290	190	80	125
			175	155	270	255			225						225					135	215				
			205		350																				
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
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22 23															38										
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			27												38										
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
160	210	210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	100	115	290	190	80	125
			175	155	270	255			225						225					135	215				
			205		350																				
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
			27												38										
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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	
160	210	210	130	105	205	205	245	105	105	165	195	260	225	215	165	205	260	185	220	100	115	290	190	80	125	
			175	155	270	255			225						225					135	215					
			205		350																					
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	
							32								40											
							29											40								
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			26				29	31								40										
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			27												38				40							
22		24			27											38		40								
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22	23							29																			
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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	
95	Length of spec.
220	PCR product
###	Length of int.
	pos. control ¹
357	5'-primer(s) ²
5'-Tgg ³	
412	3'-primer(s) ³
5'-gTC ³	
538	
5'-CCA ³	
48	Well No.
	HLA-B allele ⁴
	*510101, 510103-510108
	*510102
	*510109
	*510201, 510203-510204
	*510202
	*5103
	*5104
	*5105
	*5106
	*5107
	*5108
	*510901
	*510902
	*5110
	*5111N
	*5112
	*511301-511302
	*5114
	*5115
	*5116
	*5117
	*5118

	*5119
	*5120
	*5121
	*5122
48	Well No.
95	Length of spec.
220	PCR product
48	Well No.
	*5123
	*512401
	*512402
	*5126
	*5127N
	*5128
	*5129
	*5130
	*5131
	*5132
	*5133
	*5134
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48	*5137
	*5138
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	*5144N
	*5145
	*5146
	*5148
	*5149
	*5150
	*5151
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	*5153
	*5154
	*5155
	*5156
	*5157
	*5158
	*5159
48	*5160
	*5161
	*5162
	*5163

	*070503
	*0736, 0738, 1513, 15170101-151702, 1524, 1587, 4818, 570101-5706, 5708, 5710, 5711, 5713, 5715-5719, 580101- 5802, 5804-5807, 5810N-5816, 5818- 5820
48	Well No.
95	Length of spec.
220	PCR product
48	Well No.
	*0765
	*0809, 4101, 4105- 4107, 4204, 5520
	*0832, 3529, 3569
	*130201-130204, 1308Q, 1309, 1314, 1319, 5522
	*1303, 4611, 5403, 5601, 5607, 5608, 5614, 5616, 5617, 5624, 5904
48	*1304
	*1315
	*1316, 5524
	*1318
	*1401-1409, 1537, 4051
	*150102, 1509, 4026
48	*1504
48	*1516, 1567, 1595, 4904, 4905
	*1538
	*1542, 550101- 550104, 5503, 5505, 5511, 5515, 5517, 5525, 5528, 5529. 5531. 5533
	*1573, 4071, 5602, 5604, 8201, 8202
	*1583, 4508
48	*9537

	*180101-1802, 1805, 1806, 1808, 1809, 1812-1814, 1817N, 1818, 1820, 1823N-1825, 1827, 1828, 1831, 1832 *1803
	*1804
	*1807, 1829
	*1810, 1811, 1821, 352001-352002, 3528, 3572, 3702, 3707, 3709, 5309 *1815, 1819, 1830
	*1822
	*1826
	*2714
48	Well No.
95	Length of spec.
220	PCR product
48	Well No.
	*2728, 3932
	*350101-350801, 350803-3518, 3522, 3523, 3527, 3530- 3536, 3539-3544, 3548, 3550-3559, 3561, 3562, 3564- 356802, 3570, 3574, 3575, 3577, 3579, 3580, 3583, 3584, 3586-3594, 3806, 3807, 5303, 5311-5313
	*3521
	*3524
48	*3537
	*3538
	*3545, 3571
	*3560
	*3576
	*3581
	*3582, 3585
	*370101-370104, 3703N, 3705, 3708, 3710-3714
	*3704

	*3706, 4416, 4442
	*390601-390602
	*391901-391902
	*3933
	*3934, 5513, 5903
	*3943
	*400106
	*40060101-400602,
	4053, 4070, 4075,
	4083, 4093
	*4028
48	*4044
	*4058
	*4086
48	Well No.
95	Length of spec.
220	PCR product
48	Well No.
	*44020101-440205,
	4405, 4408, 4409,
	4411, 4412, 4414,
	4417, 4419N, 4421-
	4425, 4427, 4433,
	4434, 4444, 4448,
	4449, 4451-4453,
	4455, 4458N, 4459,
	4463, 8301
	*440301-4404,
	4407, 4413, 4426,
	442801-4430, 4432,
	4435, 4436, 4438-
	4440, 4443, 4445,
	4446, 4450, 4456N,
	4457, 4460, 4461N
	*4406
	*4410
	*4415, 4418, 4501,
	4505-4507
48	*4420
48	*4447
	*4462
	*4502
	*4503
	*4504, 5613
48	*4509

	*4618, 5401, 5402, 5404, 5405N, 5407, 5408N, 5412, 5413, 5417, 550201- 550202, 5507, 5510, 5512, 5516, 5518, 5519, 5526, 5530, 5534, 5623, 5901
	*490101-4902, 5001, 5004
	*4903
	*5002
	*520101, 520103, 5204, 5205, 5207, 5213
	*520102, 520104, 5209
	*5202, 5808
	*5203
	*520601-520602
48	Well No.
95	Length of spec.
220	PCR product
48	Well No.
	*5208
	*5210
	*5211
48	*5212
	*5214
	*530101-530104, 5304, 5305, 5307, 5308, 5310, 5314- 5316
	*5302
	*5306
	*5410
	*5411, 5902
48	*5414, 5523
48	*5415, 5416, 5527
	*550203
	*5509
48	*5521
	*5532
	*560501
	*560502, 5621
	*5606
	*5615

	*5619N
	*5620
	*5622
	*5707
	*5709
	*5714, 5809
	*7301
	*7801
	*780201
	*780202
	*7803
	*7804
	*7805, 7806
	HLA-B allele⁴
48	Well No.