

# INTERPRETATION TABLE

## HLA-B\*55 SSP subtyping

Amplification patterns of the B\*5501 to B\*5530 alleles

	Well <sup>5</sup>											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	400	125	150	235	235	100	180	105	215	140	125	210
PCR products								425	325		180	
Length of int.	800	1070	1070	1070	800	1070	1070	800	1070	1070	1070	1070
pos. control <sup>1</sup>												
5'-primer(s) <sup>2</sup>	41	379	420	106	363	245	419	48	97	106	186	103
	5'-CTg <sup>3'</sup>	5'-ACC <sup>3'</sup>	5'-TTA <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-AgC <sup>3'</sup>	5'-ggC <sup>3'</sup>	5'-gTA <sup>3'</sup>	5'-gCC <sup>3'</sup>	5'-TCC <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-AgA <sup>3'</sup>	5'-CCT <sup>3'</sup>
								357	319		420	
								5'-Tgg <sup>3'</sup>	5'-gCg <sup>3'</sup>		5'-TTA <sup>3'</sup>	
3'-primer(s) <sup>3</sup>	272	463	527	299	559	302	559	302	272	206	272	272
	5'-TgT <sup>3'</sup>	5'-gCT <sup>3'</sup>	5'-CCT <sup>3'</sup>	5'-TCA <sup>3'</sup>	5'-CgT <sup>3'</sup>	5'-ggC <sup>3'</sup>	5'-CAg <sup>3'</sup>	5'-ggT <sup>3'</sup>	5'-TgT <sup>3'</sup>	5'-CCC <sup>3'</sup>	5'-TgT <sup>3'</sup>	5'-TgT <sup>3'</sup>
								419	362		559	
								5'-CgA <sup>3'</sup>	5'-TCA <sup>3'</sup>		5'-CTC <sup>3'</sup>	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-B allele <sup>4</sup>												
*550101-550104	1	2	3									
*550201-550202	1	2										
*5503	1	2	3	4								
*5504	1				5							
*5505	1	2	3			6						
*5507	1	2								10		
*5508	1						7					
*5509	1	2	w								11	
*5510	1	2										12
*5511	1	2	3						9			
*5512	1	2						8				
*5513	1	2						8				
*5514	1								9			
*5515	1	2	3								11	
*5516	1	2							9			
*5517	1											
*5518		2										
*5519	1	2										
*5520	1											
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	400	125	150	235	235	100	180	105	215	140	125	210
PCR products								425	325		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*5521	1	2										
*5522	1	2									11	
*5523	1	2										
*5524	1	2	3								11	
*5525	1	2	3									
*5526	1	2										
*5527	1	2										
*5528	1	2										
*5529	1	2	3									
*5530	1	2										
*070201-070207, 0704-0707, 0709, 0711, 0712, 0714, 0715, 0717-071802, 0721-0723, 0725, 0726, 0728, 0730, 0733, 0735, 0736, 0739-0742, 0744-0749N, 0751-0759, 0761-0764, 670101-670102, 8102												12
*0719, 0731, 0734, 0743, 4201, 420501-4206, 4208					5							12
*0720, 0724, 0760							7					12
*080101-0808N, 0810, 0813, 0814, 0817-0820, 0822-0824, 0826-0836, 1405, 3587, 3903, 3914, 3924, 3929, 3937, 4039, 4102, 4104, 4207					5							
*0809, 1583, 4101, 4105-4107, 5136												
*0815				4	5							
*0821, 0825, 1509, 1510, 1530, 1537, 1545, 1548, 1563, 1590, 1599, 350901-350902, 3512, 3518, 3522, 3539, 3544, 4005, 4026, 4063, 5104, 5106, 5146, 5702-570302, 5707, 5709							7					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	400	125	150	235	235	100	180	105	215	140	125	210
PCR products								425	325		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*1301-130204, 1307N-1309, 1311, 1314, 1315, 1317, 1319		2									11	
*1303, 5115, 5614, 5617		2										
*1304, 1516, 1567, 1595, 3537, 4904, 4905		2										
*1306, 1312, 1586, 4410		2										
*1313, 1520, 1534, 1562, 1585, 350101-350107, 3503, 3505-350803, 3510, 3511, 3513-3515, 3519-3521, 3523, 3524, 3526-3530, 3533, 3535, 3536, 3538, 3540N-3542, 3545-3550, 3552, 3554-3558, 3562, 3563, 3565Q, 3566, 356801-3573, 3575, 3577, 3578, 3580, 3582, 3584, 3585, 4448, 4802, 530101-5306, 5308-5316, 580101-5802, 5804-5807, 5809-5811, 5813-5817N		2										
*1316, 1320		2	3								11	
*1318		2									11	
*150104												
*1504												
*1542		2	3									
*9537		2						8				
*180101-1803, 1805-1813, 1815, 1818-1821, 1823N-1828, 370101-370103, 3702-3708, 3710-3713												
*1814, 3709					5							
*1822		2			w							
*2714		2										
*350201-350202, 350401-350402, 3534, 3581, 3583, 4028, 5705		2					7					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	400	125	150	235	235	100	180	105	215	140	125	210
PCR products								425	325		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*3525, 5812		2										
*3560, 5623, 5901		2										
*3574		2		4								
*3576, 5609, 5611	1	2										
*370104												
*390601-390602, 3934								8				
*3933								8				
*40060101-400602, 4044, 4053, 4070, 4075, 4083, 5110, 5116, 5131, 5134, 5208												
*4030, 4034									9			
*4048											11	
*4071												
*4073, 460101-4604, 4606- 4610, 4612-4614				4								
*4086, 7301								8				
*4202, 4209					5				9			
*4204												12
*4415, 4418, 4501, 4503- 4505, 4507		2										
*4420												
*4447												
*4502		2						8				
*4506		2							9			
*4508		2										
*4611		2		4								
*4901-4903, 5001, 5002		2										
*5004												
*510101-5103, 5107, 510901-510902, 5111N, 5112, 5118, 5119, 5122- 512402, 5126-5128, 5130, 5132, 5133, 5135, 5138- 5141N, 5143, 5148-5153, 5155, 520101-5207, 5209- 5211, 5808, 7801-7805							7					
*5105, 5129, 5154							7					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	400	125	150	235	235	100	180	105	215	140	125	210
PCR products								425	325		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*5108, 5120, 5144N							7					
*511301-511302								8				
*5114, 5117												
*5121, 5902												
*5137												
*5212							7					
*5401, 5408N, 5412, 5413	1	2								10		
*5402	1	2							9			
*5403	1	2								10		
*5404	1	2								10		
*5405N	1	2										
*5406, 5409	1									10		
*5407		2								10		
*5410	1	2								10		
*5411	1									10		
*5601, 5607	1	2										
*5602, 5610, 5619N	1	2										
*5603, 5612, 5618	1											
*5604	1											
*560501-5606, 5621	1						7					
*5608	w	2										
*5613	1	2										
*5615	1	2					7					
*5616	1	2										
*5620	1											
*5622	1	2						8				
*5712							7		9			
*8101	1											12
*8103, 8104N	?											12
*8201, 8202	1	2										
*8301	1											
HLA-B allele <sup>4</sup>												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Cw*0808					5							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

# INTERPRETATION TABLE

## HLA-B\*55 SSP subtyping

Amplification patterns of the B\*5501 to B\*5530 alleles

Well <sup>5</sup>												
13	14	15	16	17	18	19	20	21	22	23	24	
150	215	245	245	105	215	205	95	270	225	165	100	Length of spec. PCR products
					310		220			220		
					395							
1070	<b>800</b>	1070	1070	1070	<b>800</b>	<b>800</b>	1070	<b>800</b>	1070	<b>800</b>	1070	Length of int. pos. control <sup>1</sup>
420	1 <sup>st</sup>	357	357	357	48	134	106	41	357	357	357	
5'-TTA <sup>3'</sup>	5'-CAG <sup>3'</sup>	5'-Tgg <sup>3'</sup>	5'-Tgg <sup>3'</sup>	5'-Tgg <sup>3'</sup>	5'-gCC <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-CTg <sup>3'</sup>	5'-Tgg <sup>3'</sup>	5'-Tgg <sup>3'</sup>	5'-Tgg <sup>3'</sup>	5'-primer(s) <sup>2</sup>
							357					
							5'-Tgg <sup>3'</sup>					
527	175	559	559	419	94	299	160	142	539	479	412	3'-primer(s) <sup>3</sup>
5'-CCA <sup>3'</sup>	5'-CCg <sup>3'</sup>	5'-CgT <sup>3'</sup>	5'-CAG <sup>3'</sup>	5'-CgT <sup>3'</sup>	5'-gAC <sup>3'</sup>	5'-TCT <sup>3'</sup>	5'-gTT <sup>3'</sup>	5'-TgA <sup>3'</sup>	5'-TCC <sup>3'</sup>	5'-CCA <sup>3'</sup>	5'-gTC <sup>3'</sup>	
					187		538			538	419	
					5'-gTT <sup>3'</sup>		5'-gTC <sup>3'</sup>			5'-CCA <sup>3'</sup>	5'-Cgg <sup>3'</sup>	
					272						419	
					5'-Tgg <sup>3'</sup>						5'-CgA <sup>3'</sup>	
13	14	15	16	17	18	19	20	21	22	23	24	Well No. HLA-B allele <sup>4</sup>
		15										*550101-550104
13		15										*550201-550202
		15										*5503
												*5504
		15										*5505
13		15										*5507
												*5508
									22			*5509
13		15						21				*5510
		15										*5511
13		15										*5512
		15									24	*5513
												*5514
		15										*5515
13		15										*5516
		15		17								*5517
13		15			18							*5518
13		15			18							*5519
		15		17			20					*5520
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

150	215	245	245	105	215	205	95	270	225	165	100	Length of spec.
					310		220			220		PCR products
					395							
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
		15							22	23		*5521
13												*5522
		15									24	*5523
												*5524
		15			18							*5525
13		15					20					*5526
		15		17							24	*5527
		15		17								*5528
		15							23			*5529
13		15				19						*5530
												*070201-070207, 0704-0707, 0709, 0711, 0712, 0714, 0715, 0717-071802, 0721-0723, 0725, 0726, 0728, 0730, 0733, 0735, 0736, 0739-0742, 0744-0749N, 0751-0759, 0761-0764, 670101-670102, 8102
												*0719, 0731, 0734, 0743, 4201, 420501-4206, 4208
												*0720, 0724, 0760
												*080101-0808N, 0810, 0813, 0814, 0817-0820, 0822-0824, 0826-0836, 1405, 3587, 3903, 3914, 3924, 3929, 3937, 4039, 4102, 4104, 4207
		15		17			20					*0809, 1583, 4101, 4105-4107, 5136
												*0815
												*0821, 0825, 1509, 1510, 1530, 1537, 1545, 1548, 1563, 1590, 1599, 350901-350902, 3512, 3518, 3522, 3539, 3544, 4005, 4026, 4063, 5104, 5106, 5146, 5702-570302, 5707, 5709
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

150	215	245	245	105	215	205	95	270	225	165	100	Length of spec.
					310		220			220		PCR products
					395							
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
13												*1301-130204, 1307N-1309, 1311, 1314, 1315, 1317, 1319
13			16									*1303, 5115, 5614, 5617
			16								24	*1304, 1516, 1567, 1595, 3537, 4904, 4905
13												*1306, 1312, 1586, 4410
												*1313, 1520, 1534, 1562, 1585, 350101-350107, 3503, 3505-350803, 3510, 3511, 3513-3515, 3519-3521, 3523, 3524, 3526-3530, 3533, 3535, 3536, 3538, 3540N-3542, 3545-3550, 3552, 3554-3558, 3562, 3563, 3565Q, 3566, 356801-3573, 3575, 3577, 3578, 3580, 3582, 3584, 3585, 4448, 4802, 530101-5306, 5308-5316, 580101-5802, 5804-5807, 5809-5811, 5813-5817N
												*1316, 1320
w												*1318
	14											*150104
			16						22	23	24	*1504
		15										*1542
			16						22	23	24	*9537
								21				*180101-1803, 1805-1813, 1815, 1818-1821, 1823N-1828, 370101-370103, 3702-3708, 3710-3713
								21				*1814, 3709
								21				*1822
				17								*2714
												*350201-350202, 350401-350402, 3534, 3581, 3583, 4028, 5705
13	14	15	16	17	18	19	20	21	22	23	24	Well No.



150	215	245	245	105	215	205	95	270	225	165	100	Length of spec.
					310		220			220		PCR products
					395							
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
								21				*3525, 5812
13		15										*3560, 5623, 5901
												*3574
												*3576, 5609, 5611
	14							21				*370104
		15									24	*390601-390602, 3934
			16						22		24	*3933
				17								*40060101-400602, 4044, 4053, 4070, 4075, 4083, 5110, 5116, 5131, 5134, 5208
												*4030, 4034
13												*4048
13												*4071
												*4073, 460101-4604, 4606- 4610, 4612-4614
											24	*4086, 7301
												*4202, 4209
		15		17			20					*4204
			16				20					*4415, 4418, 4501, 4503- 4505, 4507
			16	17			20				24	*4420
			16	17							24	*4447
			16				20				24	*4502
			16				20					*4506
		15					20					*4508
13		15										*4611
			16									*4901-4903, 5001, 5002
			16									*5004
			16	17								*510101-5103, 5107, 510901-510902, 5111N, 5112, 5118, 5119, 5122- 512402, 5126-5128, 5130, 5132, 5133, 5135, 5138- 5141N, 5143, 5148-5153, 5155, 520101-5207, 5209- 5211, 5808, 7801-7805
			16	17					22			*5105, 5129, 5154
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

150	215	245	245	105	215	205	95	270	225	165	100	Length of spec. PCR products
					310		220			220		
					395							
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
			16	17			20					*5108, 5120, 5144N
			16								24	*511301-511302
			16	17								*5114, 5117
		15		17								*5121, 5902
			16								24	*5137
			16	17							24	*5212
13	14	15										*5401, 5408N, 5412, 5413
13	14	15										*5402
13	14		16									*5403
	14	15		17								*5404
13	14	15										*5405N
	14											*5406, 5409
13	14	15										*5407
w	14	15							22			*5410
	14	15		17								*5411
13			16									*5601, 5607
13												*5602, 5610, 5619N
												*5603, 5612, 5618
13												*5604
			16	17								*560501-5606, 5621
13			16									*5608
			16				20					*5613
			16	17								*5615
13			16					21				*5616
13			16									*5620
			16								24	*5622
												*5712
								21				*8101
								?				*8103, 8104N
								21				*8201, 8202
								21				*8301
												HLA-B allele <sup>4</sup>
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												Cw*0808
13	14	15	16	17	18	19	20	21	22	23	24	Well No.