

HLA-B*55 SSP subtyping

Well⁵[illegible]

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	375		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*5518		2										
*5519	1	2										
*5520	1											
*5521	1	2										
*5522	1	2									11	
*5523	1	2										
*5524	1	2	3								11	
*5525	1	2	3						9			
*5526	1	2										
*5527	1	2										
*5528	1	2										
*5529	1	2	3									
*5530	1	2										
*5531	1	2	3									
*5532	1	2										
*5533	1	2	3									
*5534		2										
*5535	1	2										
*070201-070207, 070209, 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, 0766-0768, 0775-0777, 670101, 670102, 8102												12
*0719, 0731, 0734, 0743, 4201, 420501-4206, 4208, 4210, 4212					5							12
*0720, 0724, 0760							7					12
*0765, 5612, 5618	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	375		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*080101-0808N, 0810, 0813, 0814, 0817-0820, 0822-0824, 0826-0838, 1405, 3587, 3819, 3903, 3914, 3924, 3929, 3937, 4039, 410201, 4104, 4207, 4211, Cw*0808					5							
*0809, 1583, 4101, 4105-4107, 5136												
*0815				4	5							
*0821, 0825, 1509, 1510, 1530, 1537, 1545, 1548, 1563, 1590, 1599, 9550, 350901, 350902, 3512, 3518, 3522, 3539, 3544, 4005, 4026, 4063, 4092, 4462, 5104, 5106, 5146, 5159, 5164, 5702-570302, 5707, 5709, 5712, 5717							7					
*130101-130205, 1307N-1309, 1311, 1314, 1315, 1317, 1319, 132201-1323, 1325		2									11	
*1303, 5115, 5614, 5617		2										
*1304, 1516, 1567, 1595, 4904, 4905		2										
*1306, 1312, 1586, 4410		2										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

[illegible]

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	375		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*370104												
*390601, 390602, 3934								8				
*3933								8				
*3950, 4086, 7301								8				
*40060101-400602, 4053, 4070, 4075, 4083, 4093, 4095, 4096, 5110, 5116, 5131, 5134, 5208												
*4044												
*4048											11	
*4071												
*4073, 460101-4604, 4606- 4610, 4612-4617, 4619, 4621				4								
*4202, 4209					5							
*4204												12
*4415, 4418, 4501, 4503- 4505, 4507		2										
*4420												
*4447												
*4502		2						8				
*4506		2										
*4508		2										
*4509		2										
*4611		2		4								
*4618		2		4								
*490101-4903, 5001, 5002		2										
*5004												
*510101-5103, 5107, 510901, 510902, 5111N, 5112, 5118, 5119, 5122- 512402, 5126-5128, 5130, 5132, 5133, 5138-5141N, 5143, 5148-5153, 5155, 5157, 5158, 5160, 5165, 520101-5207, 5209-5211, 5213, 5808, 7801-7806							7					
*5105, 5129, 5154							7					
*5108, 5120, 5144N							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	375		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*511301, 511302, 5214								8				
*5114, 5117												
*5121												
*5135							7					
*5137, 5163, 9555												
*5161							7					
*5162			3									
*5212							7					
*5401, 5408N, 5412, 5413, 5417-5419	1	2								10		
*5402	1	2										
*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		
*5414	1	2								10		
*5415	1									10		
*5416	1	2								10		
*5601, 5607, 5624	1	2										
*5602, 5610, 5619N	1	2										
*5603	1											
*5604	1											
*560501, 560502, 5621	1						7					
*5606	1						7					
*5608	w	2										
*5613	1	2										
*5615	1	2					7					
*5616	1	2										
*5620	1											
*5622	1	2						8				
*5623, 5901, 5905		2										
*5902												
*5903		2						8				
*5904		2										
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	375		180	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*8101	1											12
*8103, 8104N	?											12
*8201, 8202	1	2										
*8301	1											
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*5535 alleles												
Well ⁵												
13	14	15	16	17	18	19	20	21	22	23	24	
150	215	245	245	105	215	205	95	270	95	165	100	Length of spec.
				380	310		220		225	220	235	PCR products
					415				285			
1070	800	1070	1070	1070	800	800	1070	800	800	1070	1070	Length of int.
												pos. control ¹
420	1st I	357	357	48	48	134	106	41	48	97	357	5'-primer(s) ²
5'-TTA 3'	5'-CAG 3'	5'-Tgg 3'	5'-Tgg 3'	5'-gCC 3'	5'-gCC 3'	5'-CCA 3'	5'-CCA 3'	5'-CTg 3'	5'-gCC 3'	5'-TCC 3'	5'-Tgg 3'	
				357			357		357	357		
				5'-Tgg 3'			5'-Tgg 3'		5'-Tgg 3'	5'-Tgg 3'		
527	175	559	559	259	94	299	160	142	165	272	412	3'-primer(s) ³
5'-CCA 3'	5'-CCg 3'	5'-CgT 3'	5'-CAG 3'	5'-CTC 3'	5'-gAC 3'	5'-TCT 3'	5'-gTT 3'	5'-TgA 3'	5'-Tgg 3'	5'-TgT 3'	5'-gTC 3'	
				259	187		538		412	479	419	
				5'-CTC 3'	5'-gTT 3'		5'-gTC 3'		5'-gTC 3'	5'-CCA 3'	5'-Cgg 3'	
				419	292				539	538	419	
				5'-CgT 3'	5'-gTA 3'				5'-TCC 3'	5'-CCA 3'	5'-CgA 3'	
					292						550	
					5'-gTA 3'						5'-CAT 3'	
					292							
					5'-gTA 3'							
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												HLA-B allele ⁴
		15										*550101-550104
13		15										*550201-550203
		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								23		*5516
		15		17								*5517

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
150	215	245	245	105	215	205	95	270	95	165	100	Length of spec.
				380	310		220		225	220	235	PCR products
					415				285			
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
13		15		17	18							*5518
13		15			18							*5519
		15		17			20					*5520
		15							22	23		*5521
13												*5522
		15							22		24	*5523
												*5524
		15			18							*5525
13		15					20					*5526
		15		17					22		24	*5527
		15		17								*5528
		15								23		*5529
13		15				19						*5530
		15			18							*5531
		15									24	*5532
		15									24	*5533
13		15		17								*5534
13		15							22			*5535
												*070201-070207, 070209, 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, 0766-0768, 0775-0777, 670101, 670102, 8102
												*0719, 0731, 0734, 0743, 4201, 420501-4206, 4208, 4210, 4212
												*0720, 0724, 0760
												*0765, 5612, 5618
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

150	215	245	245	105	215	205	95	270	95	165	100	Length of spec.
				380	310		220		225	220	235	PCR products
					415				285			
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
												*080101-0808N, 0810, 0813, 0814, 0817-0820, 0822-0824, 0826-0838, 1405, 3587, 3819, 3903, 3914, 3924, 3929, 3937, 4039, 410201, 4104, 4207, 4211, Cw*0808
		15		17			20					*0809, 1583, 4101, 4105-4107, 5136
												*0815
												*0821, 0825, 1509, 1510, 1530, 1537, 1545, 1548, 1563, 1590, 1599, 9550, 350901, 350902, 3512, 3518, 3522, 3539, 3544, 4005, 4026, 4063, 4092, 4462, 5104, 5106, 5146, 5159, 5164, 5702-570302, 5707, 5709, 5712, 5717
13												*130101-130205, 1307N-1309, 1311, 1314, 1315, 1317, 1319, 132201-1323, 1325
13			16									*1303, 5115, 5614, 5617
			16						22		24	*1304, 1516, 1567, 1595, 4904, 4905
13												*1306, 1312, 1586, 4410
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

[illegible]

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
150	215	245	245	105	215	205	95	270	95	165	100	Length of spec.
				380	310		220		225	220	235	PCR products
					415				285			
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
	14							21				*370104
		15									24	*390601, 390602, 3934
			16						22		24	*3933
											24	*3950, 4086, 7301
				17								*40060101-400602, 4053, 4070, 4075, 4083, 4093, 4095, 4096, 5110, 5116, 5131, 5134, 5208
				17					22		24	*4044
13												*4048
13												*4071
												*4073, 460101-4604, 4606- 4610, 4612-4617, 4619, 4621
										23		*4202, 4209
		15		17			20					*4204
			16				20					*4415, 4418, 4501, 4503- 4505, 4507
			16	17			20		22		24	*4420
			16	17					22		24	*4447
			16				20				24	*4502
			16				20			23		*4506
		15					20					*4508
			16				20		22		24	*4509
13			16									*4611
13		15										*4618
			16									*490101-4903, 5001, 5002
			16									*5004
			16	17								*510101-5103, 5107, 510901, 510902, 5111N, 5112, 5118, 5119, 5122- 512402, 5126-5128, 5130, 5132, 5133, 5138-5141N, 5143, 5148-5153, 5155, 5157, 5158, 5160, 5165, 520101-5207, 5209-5211, 5213, 5808, 7801-7806
			16	17					22			*5105, 5129, 5154
			16	17			20					*5108, 5120, 5144N

13	14	15	16	17	18	19	20	21	22	23	24	Well No.
150	215	245	245	105	215	205	95	270	95	165	100	Length of spec.
				380	310		220		225	220	235	PCR products
					415				285			
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
			16								24	*511301, 511302, 5214
			16	17								*5114, 5117
		15		17								*5121
			16									*5135
			16								24	*5137, 5163, 9555
			16	17					22	23		*5161
												*5162
			16	17							24	*5212
13	14	15										*5401, 5408N, 5412, 5413, 5417-5419
13	14	15								23		*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
	14	15							22		24	*5414
	14	15		17					22		24	*5415
	14	15										*5416
13			16									*5601, 5607, 5624
13												*5602, 5610, 5619N
									22			*5603
13												*5604
			16	17								*560501, 560502, 5621
			16	17					22			*5606
13			16									*5608
			16				20					*5613
			16	17								*5615
13			16					21				*5616
13			16									*5620
			16								24	*5622
13		15			18							*5623, 5901, 5905
		15		17	18							*5902
		15			18						24	*5903
13			16		18							*5904
13	14	15	16	17	18	19	20	21	22	23	24	Well No.

150	215	245	245	105	215	205	95	270	95	165	100	Length of spec.
				380	310		220		225	220	235	PCR products
					415				285			
13	14	15	16	17	18	19	20	21	22	23	24	Well No.
								21				*8101
								?				*8103, 8104N
								21				*8201, 8202
								21				*8301
13	14	15	16	17	18	19	20	21	22	23	24	Well No.