

INTERPRETATION TABLE

HLA-B*44 SSP subtyping

Amplification patterns of the B*4402 to B*4460 alleles

	Well ⁵																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	260	90	225	160	75	170	145	90	120	255	150	145	90	95	170	145	195	115	150	130	100	290	145	135
PCR product(s)						195	165	115	195	345								270	190	220	175			
Length of int. pos control ¹	800	800	800	1070	1070	1070	1070	1070	1070	800	800	1070	1070	800	1070	800	1070	1070	1070	1070	800	800	800	1070
5'-primer(s) ²	355	142	355	418	539	142	206	142	420	49	206	206	206	206	409	206	418	6	206	106	257	49	668	4 th ir
	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-TCA ^{3'}	5'-Agg ^{3'}	5'-gCg ^{3'}	5'-TCC ^{3'}	5'-gAC ^{3'}	5'-TCA ^{3'}	5'-TTA ^{3'}	5'-CAG ^{3'}	5'-gAA ^{3'}	5'-gAA ^{3'}	5'-gAA ^{3'}	5'-gAA ^{3'}	5'-ggC ^{3'}	5'-gAA ^{3'}	5'-Agg ^{3'}	5'-gCg ^{3'}	5'-gAA ^{3'}	5'-CCg ^{3'}	5'-CCC ^{3'}	5'-CAG ^{3'}	5'-ggT ^{3'}	5'-CCg ^{3'}
						418	418	355	493	357								499	418	395	418			
						5'-AgT ^{3'}	5'-Agg ^{3'}	5'-TCA ^{3'}	5'-CTT ^{3'}	5'-Tgg ^{3'}								5'-TCT ^{3'}	5'-Agg ^{3'}	5'-gCt ^{3'}	5'-Agg ^{3'}			
3'-primer(s) ³	572	193	538	539	572	272	309	193	572	226	317	311	255	259	538	309	572	106	313	193	317	171	774	5 th e
	5'-gCg ^{3'}	5'-CgT ^{3'}	5'-gTC ^{3'}	5'-TCA ^{3'}	5'-gCg ^{3'}	5'-Tgg ^{3'}	5'-ATC ^{3'}	5'-CgC ^{3'}	5'-gCg ^{3'}	5'-CAC ^{3'}	5'-ggA ^{3'}	5'-ggT ^{3'}	5'-CgC ^{3'}	5'-gTT ^{3'}	5'-gTC ^{3'}	5'-ATC ^{3'}	5'-gCg ^{3'}	5'-CAT ^{3'}	5'-Cgg ^{3'}	5'-CgT ^{3'}	5'-ggA ^{3'}	5'-ACC ^{3'}	5'-ggT ^{3'}	5'-TCA ^{3'}
						572	544	430		572								572		566	572	544		
						5'-gCg ^{3'}	5'-ggT ^{3'}	5'-gCt ^{3'}		5'-gCg ^{3'}				5'-gCC ^{3'}				5'-gCg ^{3'}	5'-CCg ^{3'}	5'-gCg ^{3'}	5'-ggT ^{3'}			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
HLA-B allele ⁴																								
*44020101, 440202-440204	1	2	3								11						17						23	
*44020102S	1	2	3								11						17						23	24
*440301-440303	1	2		4							11						17						23	
*4404	1	2			5						11						17						23	
*4405	1	2	3			6					11												23	
*4406	1		3				7										17						?	
*4407	1			4				8			11						17						23	
*4408	1		3					8									17						23	
*4409	1	2	3									12					17						23	
*4410	1	2				6			9		11												?	
*4411	1	2	3								11						17		19				?	
*4412	1	2	3								11			14			17						?	
*4413	1	2		4							11		13				17						23	
*4414	1	2	3								11				15								?	
*4415		2				6			9	10	11												?	
*4416		2	3								11											21	23	
*4417	1	2	3			6					11				15								?	
*4418		2				6			9	10	11					16							?	
*4419N	1	2	3								11						17	18					23	
*4420		2									10	11					17						?	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Length of spec.	260	90	225	160	75	170	145	90	120	255	150	145	90	95	170	145	195	115	150	130	100	290	145	135
PCR product(s)						195	165	115	195	345								270	190	220	175			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*4421	1	2	3							11							17				21		23	
*4422	1	2	3							11							17			20			?	
*4423N	1	2	3						9	11							17						23	
*4424	1	2	3							10	11						17						?	
*4425	1	2	3			6				11					16									?
*4426	1	2		4						11							17					22	?	
*4427	1	2	3							11							17							
*442801-442802	1	2			5					11							17						?	
*4429	1	2					7			11							17							?
*4430	1	2		4						11							17		19				?	
*4431		2				6				11								18						
*4432	1	2		4						11							17					21	?	
*4433	1	2	3							11							17							?
*4434	1		3							11							17						?	
*4435	1	2								11							17							?
*4436	1	2		4						11							17			20			?	
*4437		2		4						11														?
*4438	1	2		4				8		11							17						?	
*4439	1			4		6				11							17						23	
*4440	1			4													17						?	
*4441		2								11							17							?
*4442		2	3							11														?
*4443	1	2				6				11														?
*4444	1		3														17						?	
*4445	1	2								11														?
*4446	1	2		4								12					17						23	
*4447		2		4						10	11						17						?	
*4448	1	2	3							11							17						?	
*4449	1	2	3							11							17						23	
*4450	1	2		4						11					16		17						?	
*4451	1	2	3							11					15								23	
*4452N	1	2	3							11							17						23	
*4453	1	2	3							11							17						23	
*4454		2		4						11							17						?	
*4455	1	2	3							11							17						?	
*4456N	1	2			5					11							17						23	
*4457	1			4				8									17						23	
*4458N	1	2	3			6				11													?	
*4459	1	2	3							11							17						23	
*4460	1			4													17						?	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Length of spec.	260	90	225	160	75	170	145	90	120	255	150	145	90	95	170	145	195	115	150	130	100	290	145	135
PCR product(s)						195	165	115	195	345								270	190	220	175			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*070201-0703, 070501-071802, 0721-0724, 0726, 0727, 0729-0764, 0806, 0813, 0820, 0825, 1301-1304, 1306-1321, 15010101-150104, 150106-1513, 1515-1519, 1521, 1523-1540, 1542-1545, 1547-1550, 1552, 1554-1558, 1560-1576, 1578-1582, 1584-1590, 1592-1599, 9501, 9503-9505, 9507-9514, 9516-9529, 9532-9542, 9544-9546, 180101-1808, 1810-1815, 1817N-1829, 2702-270402, 270502-2721, 2723-2742, 3531, 3543, 3546, 3557, 3560, 3579, 3702, 3707, 3943, 4012, 4021, 4046, 460101-4609, 4611-4614, 480101-480102, 480301-4819, 5401-5413, 550101-550102, 550104-5505, 5507-5519, 5521-5530, 5601-5604, 5606, 5608-5612, 5614-5620, 5622, 5623, 570101-570302, 5705, 5706, 5708, 5710-5716, 5901, 5902, 8101, 8102, 8104N																								
*0704, 0719, 0725, 0807, 1551, 3709, 4209															15									
*0720					5	6																		
*0728																					21			
*080101-080105, 0803-0805, 0808N, 0810-0812, 0815-0819N, 0821-0824, 0826, 0829-0836, 3587, 4201. 4202. 420501-4208															15									
*0802															15									
*0809, 0827, 1583, 4204, 5520															15									
*0814, 0828																								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Length of spec.	260	90	225	160	75	170	145	90	120	255	150	145	90	95	170	145	195	115	150	130	100	290	145	135
PCR product(s)						195	165	115	195	345								270	190	220	175			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*1401-1408, 1520, 350101-3518, 352001-3530, 3532-3537, 3539-3542, 3544, 3548-3556, 3558, 3559, 3561, 3562, 3564-3570, 3572, 3574-3578, 3580-3586, 3588, 380101-380102, 3805, 3809-3814, 3816, 3817, 39010101-39010102L, 390103-3920, 3922-3942, 4802, 5150, 5154, 5303, 5309, 5311-5313, 560501-560502, 5621, 5817N, 670101-6702, 7801-7805, 8103																								
*1514, 1591, 9531						6																		
*1546, 9506, 4010												12												
*1553, 400101-4007, 4009, 4011, 401401-4016, 4018, 4020, 4022N-4024, 4026-4040, 4042-4045, 4048-4057, 4059-4067, 4069-4075, 4077-4082, 4084-4088, 4702, 5001, 5004		2										12												
*1577, 5704																								
*9515, 5607																								
*9543												12		14										
*1809																								
*2701																								
*3519, 3547												12		14										
*3538			3												15									
*3545	1				5	6																		
*3563		2										12												
*3571	1					6																		
*370101-370104, 3703N-3705, 3708, 3711, 3713			3																					
*3706			3								11													
*3710			3																					
*3712, 5709			3												15									
*380201-3804, 3808, 3815																								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Length of spec.	260	90	225	160	75	170	145	90	120	255	150	145	90	95	170	145	195	115	150	130	100	290	145	135	
PCR product(s)						195	165	115	195	345								270	190	220	175				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
*3806, 3807, 510101-5107, 510901-5119, 5121, 5122, 512401-512402, 5126-5129, 5131-5135, 5137, 5138, 5140, 5141, 5143, 5145, 5146, 5148, 5149, 5152, 5153, 5155, 520101, 520103, 5204, 5205, 5207, 5208, 5210-5212, 530101-5302, 5304-5308, 5310, 5314-5316, 580101-5802, 5804-5806, 5808-5810N, 5812-5816							7																		
*4008, 4025, 4068		2										12		14											
*4013, 4019, 4901, 4904, 4905		2									11				16										
*4047, 4902		2									11														
*4058												12													
*4076		2																							
*4083								8				12													
*4101, 4106, 4107		2										12		15											
*4102-410302, 4108		2										12		15											
*4104		2										12		15											
*4105		2												15											
*4501, 4505, 4506		2				6			9	10		12													
*4502		2				6				10		12													
*4503		2								10		12													
*4504, 4508		2										12													
*4507		2				6			9	10		12													
*4610								8																	
*47010101-47010102, 4703-4705		2									11														
*4903							7																		
*5002		2				6			9	10		12													
*5108, 5120, 5136, 5144N							7							15											
*5123						6	7			10															
*5130, 5811							7																		
*5139							7			10															
*5142	1			4			7										17						23		
*5151							7																		
*520102, 520104, 5203, 520601-520602, 5209							7																		
*5202																									
*5613															15										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	

Length of spec.	260	90	225	160	75	170	145	90	120	255	150	145	90	95	170	145	195	115	150	130	100	290	145	135
PCR product(s)						195	165	115	195	345								270	190	220	175			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
*5707	1					6																		
*5807						6	7																	
*8201-8202						6			9					15										
*8301	1		3														17							
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	22	23	24
Cw*070401-070402, 0711, 0712, 0745																								
Cw*1610																								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

INTERPRETATION TABLE

HLA-B*44 SSP subtyping

Amplification patterns of the B*4402 to B*4460 alleles

Well ⁵																									
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48		
145	135	160	165	255	195	195	155	195	160	180	145	205	225	75	235	255	165	110	85	250	445	195	75	Length of spec. PCR product(s)	
1070	800	800	1070	800	800	1070	1070	1070	800	800	800	1070	800	800	1070	1070	1070	800	800	800	800	1070	1070	Length of int. pos control ¹	
668	445	141	418	97	420	419	540	418	420	418	206	409	355	540	379	97	412	418	418	363	206	142	418	5'-primer(s) ²	
5'-ggc ^{3'}	5'-TCA ^{3'}	5'-ATT ^{3'}	5'-Agg ^{3'}	5'-TCC ^{3'}	5'-TTA ^{3'}	5'-gTC ^{3'}	5'-gAC ^{3'}	5'-Agg ^{3'}	5'-TTA ^{3'}	5'-Agg ^{3'}	5'-AgA ^{3'}	5'-ggc ^{3'}	5'-CCC ^{3'}	5'-gAC ^{3'}	5'-ACC ^{3'}	5'-TCg ^{3'}	5'-ATA ^{3'}	5'-Agg ^{3'}	5'-Agg ^{3'}	5'-AgC ^{3'}	5'-gAA ^{3'}	5'-TCA ^{3'}	5'-Agg ^{3'}		
774	538	259	540	309	572	572	3 rd	572	538	559	309	572	538	572	572	309	538	489	463	572	369	295	453	3'-primer(s) ³	
5'-ggT ^{3'}	5'-gTC ^{3'}	5'-CTC ^{3'}	5'-CTT ^{3'}	5'-gTg ^{3'}	5'-gCg ^{3'}	5'-gCg ^{3'}	5'-TAT ^{3'}	5'-gCC ^{3'}	5'-gTC ^{3'}	5'-CgT ^{3'}	5'-gTg ^{3'}	5'-gCg ^{3'}	5'-gTC ^{3'}	5'-gCC ^{3'}	5'-gCg ^{3'}	5'-gTg ^{3'}	5'-gTC ^{3'}	5'-gCg ^{3'}	5'-gCg ^{3'}	5'-gCg ^{3'}	5'-CCT ^{3'}	5'-TCA ^{3'}	5'-TCC ^{3'}		
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
							32																	HLA-B allele ⁴	
							32																	*44020101, 440202- 440204	
							32																	*44020102S	
										35														*440301-440303	
																								*4404	
							32																	*4405	
?							32																	*4406	
							32																	*4407	
							32																	*4408	
							32																	*4409	
?					30							37			40									*4410	
?							32																	*4411	
?							32																	*4412	
							32																	*4413	
?							32					37					42							*4414	
?				29	30		32		34						40									*4415	
							32	33						39										*4416	
?						31	32					37												*4417	
?					30		32		34						40									*4418	
							32																	*4419N	
?							32																	*4420	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	

145	135	160	165	255	195	195	155	195	160	180	145	205	225	75	235	255	165	110	85	250	445	195	75	Length of spec.	
																									PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
							32																		*4421
?							32																		*4422
							32																		*4423N
?							32																		*4424
?							32																		*4425
?							32																		*4426
25							32																		*4427
?																									*442801-442802
?																									*4429
?																									*4430
25												37													*4431
?																									*4432
?	26						32																		*4433
?		27					32																		*4434
?			28																						*4435
?																									*4436
?								33																	*4437
?																									*4438
																									*4439
?											36														*4440
?							32						38												*4441
?							32							39											*4442
?						31						37													*4443
?							32				36														*4444
?												37													*4445
																									*4446
?																									*4447
?							32								40										*4448
							32									41									*4449
?												37													*4450
							32																		*4451
							32											43							*4452N
							32												44						*4453
?																				45					*4454
?				29			32																		*4455
										35												46			*4456N
																									*4457
?							32															47			*4458N
							32																	48	*4459
?																									*4460
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	

145	135	160	165	255	195	195	155	195	160	180	145	205	225	75	235	255	165	110	85	250	445	195	75	Length of spec.	
																									PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
25																									*070201-0703, 070501-071802, 0721-0724, 0726, 0727, 0729-0764, 0806, 0813, 0820, 0825, 1301-1304, 1306-1321, 15010101-150104, 150106-1513, 1515-1519, 1521, 1523-1540, 1542, 1545, 1547-1550, 1552, 1554, 1558, 1560-1576, 1578-1582, 1584-1590, 1592-1599, 9501, 9503-9505, 9507-9514, 9516-9529, 9532-9542, 9544-9546, 180101-1808, 1810-1815, 1817N-1829, 2702-270402, 270502-2721, 2723-2742, 3531, 3543, 3546, 3557, 3560, 3579, 3702, 3707, 3943, 4012, 4021, 4046, 460101-4609, 4611-4614, 480101-480102, 480301-4819, 5401-5413, 550101-550102, 550104-5505, 5507-5519, 5521-5530, 5601-5604, 5606, 5608-5612, 5614-5620, 5622, 5623, 570101-570302, 5705, 5706, 5708, 5710-5716, 5901, 5902, 8101, 8102, 8104N
25							32						38	39											*0704, 0719, 0725, 0807, 1551, 3709, 4209
25												37									45				*0720
25								33												44					*0728
25							32						38	39			42								*080101-080105, 0803-0805, 0808N, 0810-0812, 0815-0819N, 0821-0824, 0826, 0829-0836, 3587, 4201. 4202. 420501-4208
25							32				36		38	39		41	42								*0802
25							32						39				42								*0809, 0827, 1583, 4204, 5520
25							32						38	39											*0814, 0828
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	

145	135	160	165	255	195	195	155	195	160	180	145	205	225	75	235	255	165	110	85	250	445	195	75	Length of spec.	
																									PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
w																									*1401-1408, 1520, 350101-3518, 352001-3530, 3532-3537, 3539-3542, 3544, 3548-3556, 3558, 3559, 3561, 3562, 3564-3570, 3572, 3574-3578, 3580-3586, 3588, 380101-380102, 3805, 3809-3814, 3816, 3817, 39010101-39010102L, 390103-3920, 3922-3942, 4802, 5150, 5154, 5303, 5309, 5311-5313, 560501-560502, 5621, 5817N, 670101-6702, 7801-7805, 8103
25						31						37													*1514, 1591, 9531
25																									*1546, 9506, 4010
25																									*1553, 400101-4007, 4009, 4011, 401401-4016, 4018, 4020, 4022N-4024, 4026-4040, 4042-4045, 4048-4057, 4059-4067, 4069-4075, 4077-4082, 4084-4088, 4702, 5001, 5004
25								33																	*1577, 5704
25											36														*9515, 5607
25																									*9543
25				29																					*1809
25				29							36														*2701
w																									*3519, 3547
w							32						39												*3538
w						31						37			40										*3545
w																									*3563
w						31						37			40										*3571
25							32							39											*370101-370104, 3703N-3705, 3708, 3711, 3713
25							32							39											*3706
25				29			32							39											*3710
25							32							39			42								*3712, 5709
f											36														*380201-3804, 3808, 3815
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	

145	135	160	165	255	195	195	155	195	160	180	145	205	225	75	235	255	165	110	85	250	445	195	75	Length of spec.	
																									PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
f																									*3806, 3807, 510101-5107, 510901-5119, 5121, 5122, 512401-512402, 5126-5129, 5131-5135, 5137, 5138, 5140, 5141, 5143, 5145, 5146, 5148, 5149, 5152, 5153, 5155, 520101, 520103, 5204, 5205, 5207, 5208, 5210-5212, 530101-5302, 5304-5308, 5310, 5314-5316, 580101-5802, 5804-5806, 5808-5810N, 5812-5816
25																									*4008, 4025, 4068
25																									*4013, 4019, 4901, 4904, 4905
25				29																					*4047, 4902
25	27																								*4058
25																									*4076
25																									*4083
25							32						39			42									*4101, 4106, 4107
25							32						38 39			42									*4102-410302, 4108
25							32						38 39												*4104
25							32						39			42									*4105
25				30	32			34							40										*4501, 4505, 4506
25							32								40										*4502
25							32								40										*4503
25							32	34					39												*4504, 4508
f				30	32			34						40											*4507
25																									*4610
25																									*47010101-47010102, 4703-4705
25	27																								*4903
25				30										40											*5002
f							32						39			42									*5108, 5120, 5136, 5144N
f												37													*5123
25																									*5130, 5811
f																									*5139
																									*5142
																									*5151
f	27																								*520102, 520104, 5203, 520601-520602, 5209
f	27																								*5202
25							32		34					39		42									*5613
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	

145	135	160	165	255	195	195	155	195	160	180	145	205	225	75	235	255	165	110	85	250	445	195	75	Length of spec.	
																									PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
25												37													*5707
f						31						37			40										*5807
25					30		32			34		37	38		40		42								*8201-8202
25							32																		*8301
																									HLA-B allele ⁴
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	
														39											Cw*070401-070402, 0711, 0712, 0745
								33		35									44						Cw*1610
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.	