

# INTERPRETATION TABLE

## HLA-B\*39 SSP subtyping

### Amplification patterns of the B\*3901 to 3943 alleles

	Tube <sup>5</sup>															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	230	170	200	145	105	170	165	180	230	105	160	175	80	80	190	165
PCR product							220			165			215			225
Length of int.	800	1070	1070	1070	800	800	1070	1070	800	800	1070	800	1070	1070	800	800
pos. control <sup>1</sup>	800	1070	1070	1070	800	800	1070	1070	800	800	1070	800	1070	1070	800	800
5'-primer(s) <sup>2</sup>	355	142	142	419	246	142	363	106	357	206	419	412	368	272	97	360
	5'-CCC <sup>3</sup>	5'-TCT <sup>3</sup>	5'-TCT <sup>3</sup>	5'-gTT <sup>3</sup>	5'-gAA <sup>3</sup>	5'-TCT <sup>3</sup>	5'-AgC <sup>3</sup>	5'-CCA <sup>3</sup>	5'-Tgg <sup>3</sup>	5'-gAC <sup>3</sup>	5'-gTT <sup>3</sup>	5'-ATg <sup>3</sup>	5'-gTC <sup>3</sup>	5'-CTA <sup>3</sup>	5'-TCg <sup>3</sup>	5'-CAC <sup>3</sup>
			419		246		420			419			503		97	419
			5'-gTC <sup>3</sup>		5'-gAA <sup>3</sup>		5'-TTA <sup>3</sup>			5'-gTC <sup>3</sup>			5'-CCg <sup>3</sup>		5'-TCC <sup>3</sup>	5'-gTA <sup>3</sup>
3'-primer(s) <sup>3</sup>	544	272	292	524	311	272	544	246	544	272	539	544	544	311	246	544
	5'-ggT <sup>3</sup>	5'-TgC <sup>3</sup>	5'-gTA <sup>3</sup>	5'-CAA <sup>3</sup>	5'-ggT <sup>3</sup>	5'-Tgg <sup>3</sup>	5'-ggT <sup>3</sup>	5'-TAT <sup>3</sup>	5'-ggT <sup>3</sup>	5'-TgC <sup>3</sup>	5'-TCC <sup>3</sup>	5'-ggT <sup>3</sup>	5'-ggT <sup>3</sup>	5'-ggT <sup>3</sup>	5'-TAT <sup>3</sup>	5'-ggT <sup>3</sup>
			292							544						
			5'-gTA <sup>3</sup>							5'-ggT <sup>3</sup>						
			292													
			5'-gTA <sup>3</sup>													
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HLA-B allele <sup>4</sup>																
*39010101, 390103	+	+			+											
*39010102L	+	+			+											
*390104	+	+			+											
*390201	+				+	+										
*390202	+					+										
*3903	+	+			+		+									
*3904	+	+			+			+								
*3905	+	+	+		+											
*390601-390602		+			+				+							
*3907	+	?			+			?		+		+				
*3908	+		+		+	+					+					
*3909	+	+			+								+			
*3910, 670102 <sup>6</sup>	+													+		
*3911	+	+	+		+						+					
*3912	+	+			+										+	
*391301-391302	+		+			+										
*3914	+	+			+		+									+
*3915	+	+			+							+				
*3916	+													+		+
*3917	+						+							+		
*3918	+	+			+						+					
*3919	+	+								+						
*3920	+		+											+		
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	230	170	200	145	105	170	165	180	230	105	160	175	80	80	190	165
PCR product							220			165			215			225
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*3922	+	+			+											
*3923	+					+							+			
*3924	+	+			+		+									
*3925N	+	+			+											
*3926	+	+		+	+											
*3927	+	+			+											
*3928	+	+			+											
*3929	+	+			+		+					+				+
*3930		+			+											
*3931	+	+			+										+	
*3932		+			+											
*3933		+			+						+					
*3934		+			+											
*3935	+	+			+											
*3936		+			+						+					
*3937	+	+	+		+		+									
*3938Q	+	+			+											
*3939	+				+	+										
*3940N	+	+			+											
*3941	+	+			+											
*3942		+			+											
*3943		+	+		+											
*070201-0707, 0709, 0711, 0712, 0714, 0715, 0717-0726, 0728-0731, 0733-0735, 0739-0747, 0749N, 0751-0753, 0755-0760, 4201, 4202, 420501-4209															+	
*0708, 0710, 0732, 0736, 080101-0802, 0805-0808N, 0811, 0812, 0814-0816, 0818-0822, 0824, 0826-0834																
*0716			+												+	
*0727, 0750			+			+										
*0737			+												+	
*0738, 0803, 0823			+													
*0748															+	
*0754, 151101-151103, 1576, 9501, 5406, 5603															+	
*0804						+										
*0809																
*0813, 0825, 7301																
*0817, 1561						+										
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	230	170	200	145	105	170	165	180	230	105	160	175	80	80	190	165
PCR product							220			165			215			225
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1301-130204, 1304, 1306-1314, 1317, 1319, 1321, 1505, 1520, 1531, 1555, 1586, 9507, 2701-2703, 270502-270510, 2707-2709, 2711-2714, 2716, 2717, 2719, 2723, 2726-2738, 350101-350202, 350401-3505, 3507, 350901-3510, 3512, 3515-3517, 3519-352002, 3522, 3523, 3527-3534, 3537, 3539-3542, 3546-3554, 3557, 3563-3565Q, 3568, 3569, 3571, 3572, 3577, 3578, 3583, 400101-4004, 40060101-4011, 4013-401403, 4018-4022N, 4024, 4027, 4029-4031, 4033-4040, 4042-4050, 4052-4060, 4062-4066, 4069, 4070, 4072-4078																
*440301-440303, 4407, 4413, 4426, 4430-4432, 4436-4440, 4443, 4445-4447, 4450, 4454, 4457, 4606, 47010101-4705, 510901-5110, 5131, 5140, 5142, 5203, 5210, 530101-530104, 5303, 5305, 5307, 5309, 5310, 5312, 5313, 570101-570103, 570301-570302, 5706-5708, 5710, 5711, 5801, 5802, 5804, 5807, 5810N, 5811, 5813-5815, 7804																
*1303, 3503, 3506, 3513, 3536, 3555, 3556, 3559, 3570, 3574, 3575, 4071, 4410, 4611, 5115, 5304, 5607, 5608, 5614																
*1315																
*1318											+					
*1401, 1407N		+			+											
*140201-1404		+			+											
*1405-140602		+			+											
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	230	170	200	145	105	170	165	180	230	105	160	175	80	80	190	165
PCR product							220			165			215			225
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1503, 1547, 1554, 1562, 1568, 9527, 9531, 9532			+			+										
*1509, 1510, 1518, 1523, 1537, 1551, 1572, 1580, 1590, 1593, 1599, 9508, 9515, 9519, 9534		+	+													
*1529, 1538, 3521, 5137, 5145, 5306			+													
*1542, 1583, 4101, 4105-4107, 5121, 5136																
*1549, 1574			+													
*1552, 9514, 9524		+	+													
*1558, 1573											+					
*1564, 1813, 1815, 1819, 1821, 3708			+			+										
*1569	+		+			+				+		+				
*1591, 9523, 1812, 3702, 4012, 480101-4804, 4807, 4809-4814, 4817, 4818			+			+										
*1598, 9503, 370101-370104, 3703N-3707, 3709-3713, 4805, 4808, 4815, 4819			+			+										
*9533		+	+													
*9537, 3538																
*180101-1803, 1805, 1806, 1808-1811, 1814, 1817N, 1818, 1820, 1822-1827, 4816			+			+										
*1804, 1807, 3524, 3525, 5302, 5714, 5809, 5812			+													
*3526					+			+								
*3535										+		+				
*3560, 5412, 5518, 5901, 5902																
*3576, 4061, 5409, 5504, 5508, 5522, 5609, 5610, 5612, 5615, 5618, 8101, 8103														+		
*3582										+						
*380101-380202, 3809, 3811, 3812, 3815, 3817	+	+	+													
*3803	+					+										
*3804	+	+	+													
*3805	+	+	+													
*3806	+		+													
*3807	+		+													
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	230	170	200	145	105	170	165	180	230	105	160	175	80	80	190	165
PCR product							220			165			215			225
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*3808	W	+	+													
*3810		+	+													
*3813, 3814	+	+														
*3816	+															
*4025, 4068																
*4204														+		
*4506, 5514, 5524, 560501-5606, 8301														+		
*4806			+													
*511301-511302																
*5119																
*5122, 7803										+						
*5401, 5402, 5404, 5405N, 5407, 5408N, 5411, 5413, 550201-550202, 5507, 5510, 5512, 5513, 5516, 5519, 5523, 5526, 5527														+		
*5403, 5601, 5602, 5604, 5611, 5616, 5617, 5619N, 5620														+		
*5410, 5521											+			+		
*550101-550104, 5503, 5505, 5511, 5515, 5517, 5520, 5525, 5528														+		
*5509											+			+		
*5613, 8201, 8202														+		
*670101	+				+									+		
*6702	+													+		
*8102														+		
HLA-B allele <sup>4</sup>																
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cw*1515																
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

# INTERPRETATION TABLE

## HLA-B\*39 SSP subtyping

### Amplification patterns of the B\*3901 to 3943 alleles

Tube <sup>5</sup>																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
180	160	385	100	220	225	85	185	230	265	80	180	245	60	150	230	Length of spec. PCR product
800	800	1070	800	800	800	800	1070	1070	800	800	1070	800	800	800	800	Length of int. pos. control <sup>1</sup>
407	142	44	246	363	362	246	103	-149	361	419	419	357	527	544	44	5'-primer(s) <sup>2</sup>
			5'-ggg <sup>3'</sup> 5'-TCT <sup>3'</sup> 5'-ggc <sup>3'</sup> 5'-gAA <sup>3'</sup> 5'-Agg <sup>3'</sup> 5'-gAC <sup>3'</sup> 5'-gAA <sup>3'</sup> 5'-CCT <sup>3'</sup> 5'-ggg <sup>3'</sup> 5'-AgT <sup>3'</sup> 5'-gTT <sup>3'</sup> 5'-gTT <sup>3'</sup> 5'-Tgg <sup>3'</sup> 5'-TgA <sup>3'</sup> 5'-gAg <sup>3'</sup> 5'-ggC <sup>3'</sup>													
			486													355
			5'-ACg <sup>3'</sup>													5'-TCA <sup>3'</sup>
														365		
														5'-CAC <sup>3'</sup>		
544	259	259	299	544	544	292	246	44	583	563	559	559	544	3 <sup>rd</sup>	112	3'-primer(s) <sup>3</sup>
			5'-ggT <sup>3'</sup> 5'-CTC <sup>3'</sup> 5'-gTT <sup>3'</sup> 5'-TCA <sup>3'</sup> 5'-ggT <sup>3'</sup> 5'-ggT <sup>3'</sup> 5'-gTC <sup>3'</sup> 5'-TAT <sup>3'</sup> 5'-CCg <sup>3'</sup> 5'-gTg <sup>3'</sup> 5'-CgA <sup>3'</sup> 5'-CAG <sup>3'</sup> 5'-CgT <sup>3'</sup> 5'-ggT <sup>3'</sup> 5'-TAT <sup>3'</sup> 5'-CCA <sup>3'</sup>													
			544													544
			5'-ggT <sup>3'</sup>													5'-gTg <sup>3'</sup> 5'-ACT <sup>3'</sup>
														5'-ggT <sup>3'</sup>		
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
																HLA-B allele <sup>4</sup>
		+		+		+	+									*39010101, 390103
		+		+		+	+	+								*39010102L
		+		+			+									*390104
	+			+		+	+									*390201
	+			+												*390202
		+				+	+									*3903
		+		+		+										*3904
		+		+			+									*3905
		+				+	+					+				*390601-390602
		+		+			?									*3907
	+			+			+									*3908
		+		+		+	+									*3909
		+		+												*3910, 670102 <sup>6</sup>
		+		+			+									*3911
		+		+		+										*3912
	+			+												*391301-391302
		+				+	+									*3914
		+		+		+	+									*3915
		+														*3916
		+		+												*3917
		+	+	+		+	+						+			*3918
		+		+												*3919
		+		+												*3920
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.

180	160	385	100	220	225	85	185	230	265	80	180	245	60	150	230	Length of spec. PCR product Tube No.
17	18	19	20	21	22	23	24	25	26	185	28	29	30	31	32	
	+			+		+	+									*3922
	+			+												*3923
		+				+	+								+	*3924
+		+		+		+	+									*3925N
		+		+		+	+									*3926
		+	+	+		+	+									*3927
		+			+	+	+									*3928
		+				+	+									*3929
		+				+	+							+		*3930
		+		+		+	+									*3931
		+				+	+			+	+					*3932
		+				+	+				+					*3933
		+				+	+					+		+		*3934
		+		+		+	+						+			*3935
		+				+	+									*3936
		+				+	+									*3937
		+		+		+	+			+						*3938Q
		+		+		+	+									*3939
		+		+		+	+				+					*3940N
		+		+		+	+								+	*3941
		+				+	+								+	*3942
						+	+							+		*3943
		+														*070201-0707, 0709, 0711, 0712, 0714, 0715, 0717-0726, 0728-0731, 0733-0735, 0739- 0747, 0749N, 0751-0753, 0755-0760, 4201, 4202, 420501-4209
		+														*0708, 0710, 0732, 0736, 080101-0802, 0805-0808N, 0811, 0812, 0814-0816, 0818- 0822, 0824, 0826-0834
		+														*0716
		+														*0727, 0750
		+														*0737
		+														*0738, 0803, 0823
		+												+		*0748
																*0754, 151101-151103, 1576, 9501, 5406, 5603
		+														*0804
		+										+				*0809
		+												+		*0813, 0825, 7301
	+															*0817, 1561
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.

180	160	385	100	220	225	85	185	230	265	80	180	245	60	150	230	Length of spec.
										185						PCR product
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
														+		*1301-130204, 1304, 1306-1314, 1317, 1319, 1321, 1505, 1520, 1531, 1555, 1586, 9507, 2701-2703, 270502-270510, 2707-2709, 2711-2714, 2716, 2717, 2719, 2723, 2726-2738, 350101-350202, 350401-3505, 3507, 350901-3510, 3512, 3515-3517, 3519-352002, 3522, 3523, 3527-3534, 3537, 3539-3542, 3546-3554, 3557, 3563-3565Q, 3568, 3569, 3571, 3572, 3577, 3578, 3583, 400101-4004, 40060101-4011, 4013-401403, 4018-4022N, 4024, 4027, 4029-4031, 4033-4040, 4042-4050, 4052-4060, 4062-4066, 4069, 4070, 4072-4078
														+		*440301-440303, 4407, 4413, 4426, 4430-4432, 4436-4440, 4443, 4445-4447, 4450, 4454, 4457, 4606, 47010101-4705, 510901-5110, 5131, 5140, 5142, 5203, 5210, 530101-530104, 5303, 5305, 5307, 5309, 5310, 5312, 5313, 570101-570103, 570301-570302, 5706-5708, 5710, 5711, 5801, 5802, 5804, 5807, 5810N, 5811, 5813-5815, 7804
											+			+		*1303, 3503, 3506, 3513, 3536, 3555, 3556, 3559, 3570, 3574, 3575, 4071, 4410, 4611, 5115, 5304, 5607, 5608, 5614
										+				+		*1315
																*1318
		+				+	+		+							*1401, 1407N
		+				+			+							*140201-1404
		+				+										*1405-140602
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.



180	160	385	100	220	225	85	185	230	265	80	180	245	60	150	230	Length of spec.	
										185						PCR product	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.	
	+																*1503, 1547, 1554, 1562, 1568, 9527, 9531, 9532
																	*1509, 1510, 1518, 1523, 1537, 1551, 1572, 1580, 1590, 1593, 1599, 9508, 9515, 9519, 9534
																	*1529, 1538, 3521, 5137, 5145, 5306
												+					*1542, 1583, 4101, 4105-4107, 5121, 5136
	+																*1549, 1574
														+			*1552, 9514, 9524
											+						*1558, 1573
																	*1564, 1813, 1815, 1819, 1821, 3708
	+		+	+									+				*1569
	+													+			*1591, 9523, 1812, 3702, 4012, 480101-4804, 4807, 4809-4814, 4817, 4818
	+																*1598, 9503, 370101-370104, 3703N-3707, 3709-3713, 4805, 4808, 4815, 4819
											+						*9533
											+						*9537, 3538
														+			*180101-1803, 1805, 1806, 1808-1811, 1814, 1817N, 1818, 1820, 1822-1827, 4816
														+			*1804, 1807, 3524, 3525, 5302, 5714, 5809, 5812
														+			*3526
															+		*3535
												+		+			*3560, 5412, 5518, 5901, 5902
														+			*3576, 4061, 5409, 5504, 5508, 5522, 5609, 5610, 5612, 5615, 5618, 8101, 8103
														+			*3582
		+		+			+										*380101-380202, 3809, 3811, 3812, 3815, 3817
	+			+			+										*3803
	+			+													*3804
		+		+													*3805
		+		+													*3806
		+		+			+										*3807
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.	

180	160	385	100	220	225	85	185	230	265	80	180	245	60	150	230	Length of spec.
										185						PCR product
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
		+		W			+									*3808
		+					+									*3810
		+		+			+									*3813, 3814
		+		+			+									*3816
		?												+		*4025, 4068
		+										+				*4204
																*4506, 5514, 5524, 560501-5606, 8301
		+												+		*4806
										+	+					*511301-511302
										+						*5119
																*5122, 7803
													+		+	*5401, 5402, 5404, 5405N, 5407, 5408N, 5411, 5413, 550201-550202, 5507, 5510, 5512, 5513, 5516, 5519, 5523, 5526, 5527
											+				+	*5403, 5601, 5602, 5604, 5611, 5616, 5617, 5619N, 5620
													+			*5410, 5521
													+			*550101-550104, 5503, 5505, 5511, 5515, 5517, 5520, 5525, 5528
																*5509
											+					*5613, 8201, 8202
		+		+		+	+									*670101
				+												*6702
		+												+		*8102
																HLA-B allele <sup>4</sup>
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
											+					Cw*1515
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.