

INTERPRETATION TABLE												
HLA-B*27 SSP subtyping												
Amplification patterns of the B*2701 to B*2738 alleles												
	Tube ⁵											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	390	405	120	245	400	415	410	95	205	85	190	430
PCR product												
Length of int.	800	800	1070	1070	1070	800	1070	1070	1070	800	1070	1070
pos. control ¹												
5'-primer(s) ²	72	72	167	97	72	72	72	363	363	363	412	14
	5'-gCT3'	5'-gCT3'	5'-gCT3'	5'-TCC3'	5'-gCT3'	5'-gCT3'	5'-gCT3'	5'-AAT3'	5'-AAT3'	5'-AAT3'	5'-ATA3'	5'-ggA3'
3'-primer(s) ³	292	309	247	301	301	317	311	418	527	409	559	272
	5'-gTA3'	5'-ATC3'	5'-ATg3'	5'-gTC3'	5'-gCT3'	5'-ggA3'	5'-ggT3'	5'-gTC3'	5'-CCT3'	5'-ATA3'	5'-CTC3'	5'-TgC3'
					302							
					5'-ggC3'							
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-B allele ⁴												
*2701	+					+		+				
*2702		+				+		+				
*2703			+	+		+		+				
*270401					+	+		+	+			
*270402					+	+		+	+			
*270502-270503, 270505-270510				+		+		+				
*270504				+				+				
*2706					+	+			+	+		
*2707				+		+					+	
*2708					+		+	+				
*2709				+		+						
*2710				+		+		+	+			
*2711					+	+					+	
*2712					+		+	+				
*2713				+		+		+				+
*2714				+		+						
*2715					+	+		+	+			
*2716				+		+		+				
*2717				+		+		+				
*2718	+				+		+	+	+			
*2719				+		+						
*2720					+	+			+		+	

Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
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Length of spec.	390	405	120	245	400	415	410	95	205	85	190	430
PCR product												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
*2721					+	+						
*2723	+				+	+		+				
*2724					+	+					+	
*2725					+	+		+				
*2726					+		+	+				
*2727				+		+					+	
*2728				+		+		+				
*2729	+			+		+		+				
*2730		+				+						
*2731					+	+		+				
*2732				+		+						
*2733					+		+				+	
*2734				+		+						
*2735				+		+						
*2736					+	+		+				
*2737						+		+				
*2738				+		+		+				
*070501-0706, 0732, 0740, 0753, 130201-130204, 1308, 1309, 1311, 1314-1316, 1318, 1319, 3531, 400101-400105, 4007, 4023, 4066, 4072, 4073, 4077, 4431, 5110, 5116, 5131, 5134, 5208, 5509, 5522, 5524											+	
*0712, 0714, 0718, 3515, 3533, 4059, 4416, 4421, 5713												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	390	405	120	245	400	415	410	95	205	85	190	430
PCR product												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
*0727, 0750, 0804, 0817, 1503, 1547, 1549, 1554, 1561, 1562, 1564, 1568, 1569, 1591, 1598, 3803, 390201-390202, 3908, 391301-391302, 3923, 3939, 4440, 4444, 4802, 4808, 5518, 9503, 9523, 9527, 9532												
*0728, 0814, 4454												
*1301, 1307N, 1313, 1317, 1320											+	
*180101, 180103, 1804-1806, 1808, 1810-1815, 1817N-1824, 1826, 4003, 4005, 4039, 4702	+				+		+					
*180102, 1803					+		+					
*1802	+				+		+					
*1807, 3542	+				+		+					
*1809, 3710, 47010101-47010102	+					+						
*3520												
*370101-370104, 3703N, 3704, 3706-3709, 3712, 3713	+			+		+						
*3702	+			+		+		+				
*3705	+						+					
*3711	+											
*400201, 40060101-40060102, 4070	+				+		+				+	
*400202	?				+		+				+	
*400203	?				+		+				+	
*4004	+				+		+				+	
*400602	?				+		+				+	
*4008	+				+		+				+	
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	390	405	120	245	400	415	410	95	205	85	190	430
PCR product												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
*4009, 4018, 4020, 4024, 4026, 4028, 4032, 4033, 4042, 4044, 4052, 4063, 4071	?				?		?					
*4010, 4011, 401401-4015, 4021, 4022N, 4025, 4027, 4029, 4035, 4036, 4038, 4040, 4048, 4049, 4053-4058, 4062, 4065, 4067, 4069, 4074	?				?		?				+	
*4012, 480301-480302, 4805, 4810, 4812-4814											+	
*4013	+	+				+					+	
*4016					?						+	
*4019	?	?				?					+	
*4030, 4034, 4064	?				?		?				+	
*4031	?				?		?					
*4037	?						?				+	
*4043, 4050	+				?		?				+	
*4045	?				?		?				+	
*4046	?				?		?				+	
*4047	?					?					+	
*4061, 4075	?				?		?				+	
*4068	?				?		?				+	
*4076	?				?						+	
*4420, 4447												
*4703	+				+	+	f					
*4704, 4705	+					+		+				
*480101-480102, 4804, 4807, 4809, 4811, 4815, 4816, 4818											+	
*4806, 8101, 8102											+	
*4817												
*570302												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	390	405	120	245	400	415	410	95	205	85	190	430
PCR product												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
*8201, 8202					+		+					
*9529												
HLA-B allele⁴												
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12
Cw*0334												
Cw*0705										W		
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12

INTERPRETATION TABLE

HLA-B*27 SSP subtyping

Amplification patterns of the B*2701 to B*2738 alleles	
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Tube ⁵												
13	14	15	16	17	18	19	20	21	22	23	24	
370	120	370	245	100	95	95	95	110	195	235	105	Length of spec.
	345				175	235	175		380		260	PCR product
800	800	1070	1070	1070	800	800	800	800	800	800	1070	Length of int.
												pos. control ¹
72	72	72	355	357	363	363	363	704	72	363	206	5'-primer(s) ²
5'-gCT ^{3'}	5'-gCT ^{3'}	5'-gCT ^{3'}	5'-TCA ^{3'}	5'-Tgg ^{3'}	5'-AgC ^{3'}	5'-AAT ^{3'}	5'-AAT ^{3'}	5'-Tgg ^{3'}	5'-gCT ^{3'}	5'-AAT ^{3'}	5'-AgA ^{3'}	
	409										363	
	5'-ggC ^{3'}										5'-AAT ^{3'}	
272	248	272	559	418	418	419	418	774	97	559	272	3'-primer(s) ³
5'-TgC ^{3'}	5'-AAA ^{3'}	5'-Tgg ^{3'}	5'-CTC ^{3'}	5'-gTC ^{3'}	5'-gTC ^{3'}	5'-CgA ^{3'}	5'-gTg ^{3'}	5'-ggT ^{3'}	5'-gTA ^{3'}	5'-CTC ^{3'}	5'-Tgg ^{3'}	
	486				499	559	499		280		583	
	5'-gCT ^{3'}				5'-ggA ^{3'}	5'-CAg ^{3'}	5'-ggA ^{3'}		5'-CTg ^{3'}		5'-gTg ^{3'}	
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
												HLA-B allele ⁴
										+		*2701
										+		*2702
										+		*2703
								+		+		*270401
								?		+		*270402
										+		*270502-270503, 270505-270510
										+		*260504
								+		+		*2706
												*2707
										+		*2708
							+			+		*2709
										+		*2710
												*2711
+										+		*2712
										+		*2713
				+								*2714
												*2715
+										+		*2716
	+									+		*2717
		+								+	+	*2718
			+									*2719
										+		*2720

13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
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370	120	370	245	100	95	95	95	110	195	235	105	Length of spec.
	345				175	235	175		380		260	PCR product
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
												*2721
										+		*2723
					+							*2724
						+						*2725
									+	+		*2726
										+		*2727
											+	*2728
		+								+	+	*2729 ⁶
			+									*2730
									+	+		*2731
					+							*2732
												*2733
	+											*2734
						+				+		*2735
							+			+		*2736
									+	+		*2737
						+						*2738
												*070501-0706, 0732, 0740, 0753, 130201- 130204, 1308, 1309, 1311, 1314-1316, 1318, 1319, 3531, 400101-400105, 4007, 4023, 4066, 4072, 4073, 4077, 4431, 5110, 5116, 5131, 5134, 5208, 5509, 5522, 5524
			+									*0712, 0714, 0718, 3515, 3533, 4059, 4416, 4421, 5713
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.

370	120	370	245	100	95	95	95	110	195	235	105	Length of spec.
	345				175	235	175		380		260	PCR product
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
											+	*0727, 0750, 0804, 0817, 1503, 1547, 1549, 1554, 1561, 1562, 1564, 1568, 1569, 1591, 1598, 3803, 390201-390202, 3908, 391301-391302, 3923, 3939, 4440, 4444, 4802, 4808, 5518, 9503, 9523, 9527, 9532
					+							*0728, 0814, 4454
			+									*1301, 1307N, 1313, 1317, 1320
		+										*180101, 180103, 1804-1806, 1808, 1810-1815, 1817N-1824, 1826, 4003, 4005, 4039, 4702
		+										*180102, 1803
		+									+	*1802
												*1807, 3542
		+										*1809, 3710, 47010101-47010102
		+										*3520
		+										*370101-370104, 3703N, 3704, 3706-3709, 3712, 3713
		+								+		*3702 ⁶
		+										*3705
		+										*3711
		+										*400201, 40060101-40060102, 4070
		?										*400202
												*400203
		+	+									*4004
	+	?										*400602
												*4008
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.

370	120	370	245	100	95	95	95	110	195	235	105	Length of spec.
	345				175	235	175		380		260	PCR product
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
		?										*4009, 4018, 4020, 4024, 4026, 4028, 4032, 4033, 4042, 4044, 4052, 4063, 4071
		?										*4010, 4011, 401401, 4015, 4021, 4022N, 4025, 4027, 4029, 4035, 4036, 4038, 4040, 4048, 4049, 4053-4058, 4062, 4065, 4067, 4069, 4074
											+	*4012, 480301-480302, 4805, 4810, 4812-4814
												*4013
												*4016
		?										*4019
		?	+									*4030, 4034, 4064
		?			+							*4031
		?										*4037
		?										*4043, 4050
		?			+							*4045
		?									+	*4046
		?										*4047
												*4061, 4075
			+									*4068
		?										*4076
				+								*4420, 4447
		+										*4703
		+								+		*4704, 4705
					+						+	*480101-480102, 4804, 4807, 4809, 4811, 4815, 4816, 4818
					+							*4806, 8101, 8102
			+								+	*4817
	+											*570302
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.

370	120	370	245	100	95	95	95	110	195	235	105	Length of spec.
	345				175	235	175		380		260	PCR product
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
									+			*8201, 8202
						+						*9529
												HLA-B allele ⁴
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.
			+									Cw*0334
												Cw*0705
13	14	15	16	17	18	19	20	21	22	23	24	Tube No.