INTERPRETATION TABLE

DRB1*04 SSP subtyping

Allele-specific amplification patterns of the DRB1*0401 to *0464 alleles

	Tube[4]															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	215	150	225	225	170	115	260	260	215	170	175	180	170	200	215	150
PCR product		215									220	265	225	220		
Length of int.	515	430	430	515	430	430	430	430	430	515	430	515	430	430	430	515
pos. control[1]																
5'-primer(s)[2]	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	37
	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CA3'	5'-A CC3'	5'-g TA3'
3'-primer(s)[3]	71	49	74	74	57	37	86	86	71	57	58	59	56	67	71	74
	5'-CTT3'	5'-C CA3'	5'-C CT3'	5'-C Cg3'	5'-gCT3'	5'-C gg3'	5'-C AC3'	5'-C CA3'	5'-CCT3'	5'-ATC3'	5'-C CT3'	5'-CTg3'	5'-AgC3'	5'-gAT3'	5'-CTT3'	5'-C CT3'
		71							71	57	73	88	74	73		
		5'-CTC3'							5'-CCT3'	5'-ATC3'	5'-g gC3'	5'-AA T3'	5'-CA g3'	5'-ggA3'		
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele																
*040101-040102	+			+			+			+						
*0402		+		+				+		+				+		
*040301-040303			+					+	+	+						+
*0404				+				+	+	+						
*040501-040504				+	+		+		+							
*040601-040602			+			+		+	+	+						
*040701-040703			+				+		+	+						+
*0408				+			+		+	+						
*0409	+			+	+		+									
*0410				+	+			+	+							
*0411			+		+			+	+							+
*0412					+			+	W				+	+		
*0413	+			+				+		+						
*0414		+		+			+			+				+		
*0415				+				+	+		+					
*0416	+			+			+			+		+				
*0417			+		+		+		+							+
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	215	150	225	225	170	115	260	260	215	170	175	180	170	200	215	150
PCR product		215									220	265	225	220		
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0418								+	w	+			+	+		
*0419				+		+	+		+	+						
*0420			+			+	+		+	+						
*0421	+			+		+	+			+						
*0422								+		+	+					
*0423				+				+	+	+		+				
*0424				+	+		+		+							
*0425								+	w	+			+			
*0426	+			+			+			w						
*0427			+					+	+	+						+
*0428				+	+		+		+							
*0429				+	+		+		+							
*0430		+		+	+		+		+							
*0431							+		w	+			+			
*0432				+				+	+	+						
*0433	+			+			+			+						
*0434															+	
*0435	+			+			+			+						
*0436				+				+	+	+						
*0437		+		+				+		+						
*0438	+			+			+			+				+		
*0439			+					+	+	+						+
*0440				+				+	+	+						
*0441			+					+	+	+						
*0442				+				+	+	+						
*0443				+			+		+	+						
*0444				+				+	+	+						
*0445				+	+		+		+							
*0446			+			+		+	+	+			+			
*0447				+			+		+	+						
*0448				+	+		+		+					+		
*0449			+			+		+	+	+						
*0450			+					+	+	+						w
*0451			+					+	+	+						+
*0452			+					+	+	+		+				+
*0453				+				+	+	+				+		
*0454							+		+	+			+			
*0455								+	+	+			+			
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	215	150	225	225	170	115	260	260	215	170	175	180	170	200	215	150
PCR product		215									220	265	225	220		
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0456				+				+	+	+				+		
*0457				+	+		+		+							
*0458								+	+	+			+			
*0459			+					+	+	+						+
*0460			+					+	+	+						+
*0461				+			+		+		+					
*0462	+			+			+									
*0463	+			+			+			+						
*0464																
*0103, 111101-111102, 111401-111402, 1120, 130201-130203, 1323, 1329, 1331, 1334, 1336, 1337, 1339, 1341, 1345, 1363, 1367, 1373, 1374																
*0110, 0116, 030201-030202, 030501-030502, 0309, 0314, 0317, 0327, 0329, 0335, 1419																
*0312, 0806, 0810, 0812, 0822, 1358, 1465, 1512																
*0829																+
*090102-0902, 0904, 0905, 140701-140702, 1414, 1436, 1444, 1468																
*1122				+			+		+		+					
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	215	150	225	225	170	115	260	260	215	170	175	180	170	200	215	150
PCR product		215									220	265	225	220		
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1153																+
*115401																W
*115402, 1458																+
*130301-130302, 1333, 1338, 1365, 1366																
*1304, 1332, 1348, 1375																
*1410			+					+	+							
*1442																W
*1451																
*1457		+		+				+						+		
DRB1 allele																
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB3*01010201-0111, 020201-020204, 0203, 0205-0213, 0215-0222, 0303																
DRB3*020205																+
DRB5*0112																
Tube No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE

DRB1*04 SSP subtyping

Allele-specific amplification patterns of the DRB1*0401 to *0464 alleles

Tube[4]																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
110	145	140	100	155	150	120	85	125	200	120	90	75	80	85	115	Length of spec.
190		175	175	200	230	240		230		265		260		260		PCR product
		210	255					260								
430	430	515	430	515	430	430	430	430	515	515	430	430	430	430	430	Length of int.
																pos. control[1]
13	13	13	13	13	13	13	71	13	13	11	57	13	57	13	13	5'-primer(s)[2]
5'-A CA 3'	5'-A CA 3'	5'-A CA 3'	5'-A CA 3'	5'-A CA 3'	5'-A CA 3'	5'-A CA 3'	5'-g AA 3'	5'-A TA 3'	5'-A CA 3'	5'-Ag A 3'	5'-AgC 3'	5'-A TA 3'	5'-AgC 3'	5'-A TA 3'	5'-A CA 3'	
								23		57		74		71		
								5'-g CC 3'		5'-AgC 3'		5'-C gA 3'		5'-C gA 3'		
								58		63				71		
								5'-AT A 3'		5'-CC A 3'				5'-C AA 3'		
37	47	46	33	51	49	39	86	86	67	86	74	86	71	86	37	3'-primer(s)[3]
5'-gTT 3'	5'-g gA 3'	5'-TA g 3'	5'-CgC 3'	5'-C CA 3'	5'-C CA 3'	5'-A gT 3'	5'-C AC 3'	5'-C AC 3'	5'-gAg 3'	5'-C CA 3'	5'-C CT 3'	5'-C AC 3'	5'-g CT 3'	5'-C AC 3'	5'-C gT 3'	
60		57	58	67	72	77										
5'-gTT 3'		5'-C Ag 3'	5'-C gC 3'	5'-gAT 3'	5'-C CT 3'	5'-TA A 3'										
67		70	85	67	78	81										
5'-gAA 3'		5'-T CC 3'	5'-C Ag 3'	5'-gAg 3'	5'-gTg 3'	5'-gTA 3'										
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
																DRB1 allele
							+		+						+	*040101-040102
															+	*0402
									+						+	*040301-040303
									+						+	*0404
									+						+	*040501-040504
									+							*040601-040602
									+			+			+	*040701-040703
									+						+	*0408
							+		+				+		+	*0409
									+	+					+	*0410
									+	+	+				+	*0411
										+					+	*0412
									+						+	*0413
														+	+	*0414
+															+	*0415
							+		+						+	*0416
									+		+	+			+	*0417
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.

110	145	140	100	155	150	120	85	125	200	120	90	75	80	85	115	Length of spec.
190		175	175	200	230	240		230		265		260		260		PCR product
		210	255					260								
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
															+	*0418
									+							*0419
									+			+				*0420
							+		+							*0421
									+						+	*0422
									+						+	*0423
		+							+						+	*0424
+															+	*0425
							+	+	+						+	*0426
			+						+						+	*0427
	+								+						+	*0428
				+					+						+	*0429
					+				+						+	*0430
									+						+	*0431
					+				+						+	*0432
						+	+		+						+	*0433
							+									*0434
	+						+		+						+	*0435
+															+	*0436
				+											+	*0437
				+			+								+	*0438
		+							+						+	*0439
			+						+						+	*0440
+									+						+	*0441
	+								+						+	*0442
	+								+						+	*0443
						+			+						+	*0444
								+	+						+	*0445
									+							*0446
+															+	*0447
									+						+	*0448
									+	+						*0449
					+				+						+	*0450
						+			+						+	*0451
									+						+	*0452
															+	*0453
+															+	*0454
									+						+	*0455
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.

110	145	140	100	155	150	120	85	125	200	120	90	75	80	85	115	Length of spec.
190		175	175	200	230	240		230		265		260		260		PCR product
		210	255					260								
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
				+											+	*0456
+									+						+	*0457
				+											+	*0458
	+								+						+	*0459
									+	+					+	*0460
									+						+	*0461
		+					+		+						+	*0462
			+				+		+						+	*0463
							+	+				+		+		*0464
														+		*0103, 111101-111102, 111401-111402, 1120, 130201-130203, 1323, 1329, 1331, 1334, 1336, 1337, 1339, 1341, 1345, 1363, 1367, 1373, 1374
							+									*0110, 0116, 030201-030202, 030501-030502, 0309, 0314, 0317, 0327, 0329, 0335, 1419
										+						*0312, 0806, 0810, 0812, 0822, 1358, 1465, 1512
											+					*0829
												W				*090102-0902, 0904, 0905, 140701-140702, 1414, 1436, 1444, 1468
+	+														+	*1122
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.

110	145	140	100	155	150	120	85	125	200	120	90	75	80	85	115	Length of spec.
190		175	175	200	230	240		230		265		260		260		PCR product
		210	255					260								
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
							+									*1153
																*115401
																*115402, 1458
													+	+		*130301-130302, 1333, 1338, 1365, 1366
										+			+			*1304, 1332, 1348, 1375
		+							+							*1410
												W				*1442
												+				*1451
		+		+												*1457
																DRB1 allele
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.
							+									DRB3*01010201-0111, 020201-020204, 0203, 0205-0213, 0215-0222, 0303
							+									DRB3*020205
												W				DRB5*0112
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Tube No.