

INTERPRETATION TABLE													
DR low resolution SSP typing													
Amplification patterns of the DRB1*0101 to DRB1*1001 alleles													
		Tube											
		1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.		205	195	215	210	220	80	80	100	205	165	85	205
PCR product				260			210	210	175	230	215	130	
											250	180	
Length of int.		515	430	430	430	430	430	430	430	430	515	430	430
pos. control ¹													
5'-primer(s) ²		14	14	13	13	13	13	13	13	14	16	26	31
		5'-gAA ^{3'}	5'-gAA ^{3'}	5'-Agg ^{3'}	5'-Agg ^{3'}	5'-g TC ^{3'}	5'-g TC ^{3'}	5'-g TC ^{3'}	5'-A CA ^{3'}	5'-AT A ^{3'}	5'-gT T ^{3'}	5'-TAT ^{3'}	5'-gC g ^{3'}
					13		16		13	14	16	58	
					5'-AAg ^{3'}		5'-gT T ^{3'}		5'-A CC ^{3'}	5'-AT A ^{3'}	5'-gT T ^{3'}	5'-gAg ^{3'}	
									13	16			
									5'-A TA ^{3'}	5'-gT T ^{3'}			
3'-primer(s) ³		67	67	70	67	73	26	28	33	71	58	57	86
		5'-gAg ^{3'}	5'-gAT ^{3'}	5'-CTg ^{3'}	5'-gAA ^{3'}	5'-g gC ^{3'}	5'-g gT ^{3'}	5'-CT C ^{3'}	5'-gTg ^{3'}	5'-CTC ^{3'}	5'-C CT ^{3'}	5'-C gA ^{3'}	5'-C AC ^{3'}
		71		71	67	73	71	70	58	73	74	73	86
		5'-gC g ^{3'}		5'-CgC ^{3'}	5'-gAg ^{3'}	5'-g gC ^{3'}	5'-g CT ^{3'}	5'-CTg ^{3'}	5'-C gg ^{3'}	5'-g gC ^{3'}	5'-CAg ^{3'}	5'-g gC ^{3'}	5'-C CA ^{3'}
				86	72					77	86	78	
				5'-C CA ^{3'}	5'-gC g ^{3'}					5'-A AT ^{3'}	5'-C AC ^{3'}	5'-CAC ^{3'}	
										78			
										5'-CAC ^{3'}			
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
DRB1 allele ⁴	ser ⁵												
*010101-010204, 0104-0119	1	+											
*0103	103		+										
*030101-030106, 0304-0306, 0309, 0311-0316, 0318-0320, 0322, 0323, 0325, 0326, 0328, 0330, 0331, 0333, 0334, 0336, 0337	17					+	+						
*030201-0303, 0327, 0329, 0338	18					+		+					
*0307, 0317, 0321, 0324, 0332, 0335, 0339	-					+							
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.		205	195	215	210	220	80	80	100	205	165	85	205
PCR product				260			210	210	175	230	215	130	
											250	180	
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
*0308	-					+	+					+	
*0310	-					+	+						
*040101-0461, 0463-0468, 0470, 0471	4								+				
*0462, 0469	-								+				
*070101-070102, 0703-0715	7									+			
*080101-080203, 080401-0807, 0811, 0816, 0817, 0822, 0824, 0826, 0828	8										+		
*080302, 0810, 0812-0815, 0818, 0819, 0823, 0825, 0827, 0829, 0830, 0833, 0834	8										+		
*0808	-										+		
*0809, 0821, 1415	8										+		
*0820, 1318, 1347, 1355	8,13												
*0831	-										+		
*0832	-										+		
*090102-0902, 0904-0906	9											+	
*0903	9											+	
*100101-1002	10												+
*110101-110107, 110401-110403, 110601-110602, 111201, 1115, 1124, 112701-1130, 1132, 1133, 1135, 1137-1139, 1143, 1144, 1147, 1149-1151, 115401-115402, 1156, 1160-1162, 1166	11												
*110201-1103, 111101-111102, 111401-111402, 1121, 1136, 1141, 1148, 1163, 116501-116502	11						+						
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.		205	195	215	210	220	80	80	100	205	165	85	205
PCR product				260			210	210	175	230	215	130	
											250	180	
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
*110404, 1109, 1110, 111202, 1146, 1158	11												
*1105	11												
*1107, 1153	-					+						+	
*110801-110802, 1118-111902, 1142, 1157	11												
*1113, 1117, 1152	11												
*1116, 1120, 1140, 1159	-						+						
*1122	-												
*1123, 1125	11												
*1126, 1134	11							+					
*1131, 1145, 1164	-												
*1155	-												
*120101-120102, 120302, 1205-1212, 1214	12												
*120201-120202, 1213, 1215	12												
*1204	-										+		
*1216	-										+		
*130101-130201, 130203, 1304, 1308, 1316, 1320, 1322-1324, 1327-1329, 1331, 1332, 1334-1336, 1338-1341, 1348, 1351, 1352, 1354, 1359, 1361, 1363-1365, 1368-1376, 1378, 1380	13						+						
*130202, 130301-130302, 1310, 1333, 1337, 1366, 1381	13						+						
*130501-130502, 130701-130702, 1311, 131401-131402, 1321, 1342, 1346, 1349, 1350, 1362	13												
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.		205	195	215	210	220	80	80	100	205	165	85	205
PCR product				260			210	210	175	230	215	130	
											250	180	
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
*1306, 1312, 1325, 1330, 1356, 1358, 1360, 1377	13												
*1309	13												
*1313	-												
*1315, 1319, 1353, 1357	-						+	+					
*1317	13						+			+			
*1326	-							+					
*1343	-						+						
*1344	-							+					
*1345	-						+						
*1367	-												
*140101-140102, 1404, 140701-140702, 1410, 1426, 1428, 1431-143202, 1435, 1438, 1439, 1454, 1455, 1457, 1460-1462, 1470, 1471	14												
*140103, 1408, 142302, 1434, 1472	-												
*1402, 1406, 1409, 1413, 1417, 1420, 1429, 1430, 1433, 1441, 1447, 1448, 1451	14							+					
*140301-140302, 1412, 1440, 1463, 1467	14							+					
*140501-140503, 1414, 142301, 1436, 1443-1445, 1456, 1459, 1464, 1465	14												
*1411	-										+		
*1416	6						+						
*1418	-							+					
*1419, 1421	-						+	+					
*1422	-												
*1424	-							+					
*1425, 1453	-												
*1427	14							+					
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.		205	195	215	210	220	80	80	100	205	165	85	205
PCR product				260			210	210	175	230	215	130	
											250	180	
Tube No.	DR	1	2	3	4	5	6	7	8	9	10	11	12
*1437	-												
*1442													
*1446, 1452	-												
*1449	-							+					
*1450	-									+			
*1458	-												
*1468	-										+		
*1469	-												
*1473	-												
*1474	-												
*150101-1520, 1522-1526	15			+									
*1521	-			+									
*1527	-			+									
*160101-1603, 160501-160502, 1607-1613N	16				+								
*1604	16				+								
Tube No.		1	2	3	4	5	6	7	8	9	10	11	12
DRB1 allele ⁴	ser ⁵												
DRB3*01010201-0111, 020101-0223, 030101-0303	52												
DRB4*01010101-0107	53												
DRB5*010101-0113, 0202-0205	51												
Tube No.	ser ⁵	1	2	3	4	5	6	7	8	9	10	11	12

INTERPRETATION TABLE												
DR low resolution SSP typing												
Amplification patterns of the DRB1*0101 to DRB1*1001 alleles												
Tube												
13	14	15	16	17	18	19	20	21	22	23		
100	85	210	195	175	100	110	110	230	215	260		Length of spec.
170	105		210		140	135	175					PCR product
						170	225					
430	430	430	430	430	430	515	430	430	430	430		Length of int.
												pos. control ¹
13	16	10	10	13	37	26	13	10	28	13		5'-primer(s) ²
5'-g TC ^{3'}	5'-gT T ^{3'}	5'-g CT ^{3'}	5'-g CT ^{3'}	5'-g TC ^{3'}	5'-g TA ^{3'}	5'-g TA ^{3'}	5'-g TC ^{3'}	5'-g CT ^{3'}	5'-g AT ^{3'}	5'-g TA ^{3'}		
16		13	13		37	34	34	10		13		
5'-gT C ^{3'}		5'-g TC ^{3'}	5'-g TC ^{3'}		5'-g TT ^{3'}	5'-CAG ^{3'}	5'-CAG ^{3'}	5'-g CT ^{3'}		5'-g TA ^{3'}		
38			16									
5'-C gT ^{3'}			5'-gT T ^{3'}									
			16									
			5'-gT C ^{3'}									
58	30	70	67	58	57	57	57	73	87	87		3'-primer(s) ³
5'-C CT ^{3'}	5'-gTg ^{3'}	5'-gTC ^{3'}	5'-gAA ^{3'}	5'-C gg ^{3'}	5'-C Ag ^{3'}	5'-C Ag ^{3'}	5'-C Ag ^{3'}	5'-g gC ^{3'}	5'-CTC ^{3'}	5'-CTC ^{3'}		
58	38	71	67	58	71	58	60	73				
5'-C CT ^{3'}	5'-CAG ^{3'}	5'-g CT ^{3'}	5'-gAA ^{3'}	5'-C Ag ^{3'}	5'-CgC ^{3'}	5'-C CT ^{3'}	5'-gTg ^{3'}	5'-g gC ^{3'}				
			71			70	70					
			5'-CTC ^{3'}			5'-CTg ^{3'}	5'-T CC ^{3'}					
			71			70	74					
			5'-CgC ^{3'}			5'-T CC ^{3'}	5'-CAG ^{3'}					
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.
											ser ⁵	DRB1 allele ⁴
											1	*010101-010204, 0104-0119
											103	*0103
				+							17	*030101-030106, 0304-0306, 0309, 0311-0316, 0318-0320, 0322, 0323, 0325, 0326, 0328, 0330, 0331, 0333, 0334, 0336, 0337
				+							18	*030201-0303, 0327, 0329, 0338
				+							-	*0307, 0317, 0321, 0324, 0332, 0335, 0339
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.

100	85	210	195	175	100	110	110	230	215	260		Length of spec.
170	105		210		140	135	175					PCR product
						170	225					
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.
+						+					-	*0308
						+	+				-	*0310
											4	*040101-0461, 0463-0468, 0470, 0471
					+						-	*0462, 0469
											7	*070101-070102, 0703-0715
			+								8	*080101-080203, 080401-0807, 0811, 0816, 0817, 0822, 0824, 0826, 0828
											8	*080302, 0810, 0812-0815, 0818, 0819, 0823, 0825, 0827, 0829, 0830, 0833, 0834
			+		+						-	*0808
			+				+				8	*0809, 0821, 1415
		+	+	+			+				8,13	*0820, 1318, 1347, 1355
+			+								-	*0831
	+						+				-	*0832
						+					9	*090102-0902, 0904-0906
											9	*0903
											10	*100101-1002
+		+	+								11	*110101-110107, 110401-110403, 110601-110602, 111201, 1115, 1124, 112701-1130, 1132, 1133, 1135, 1137-1139, 1143, 1144, 1147, 1149-1151, 115401-115402, 1156, 1160-1162, 1166
+		+	+								11	*110201-1103, 111101-111102, 111401-111402, 1121, 1136, 1141, 1148, 1163, 116501-116502
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.

100	85	210	195	175	100	110	110	230	215	260		Length of spec.
170	105		210		140	135	175					PCR product
						170	225					
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.
+		+	+			+					11	*110404, 1109, 1110, 111202, 1146, 1158
+			+								11	*1105
+											-	*1107, 1153
+		+									11	*110801-110802, 1118- 111902, 1142, 1157
+						+	+				11	*1113, 1117, 1152
+		+	+			+					-	*1116, 1120, 1140, 1159
+						+					-	*1122
+		+	+				+				11	*1123, 1125
+											11	*1126, 1134
+		+					+				-	*1131, 1145, 1164
+			+				+				-	*1155
	+										12	*120101-120102, 120302, 1205-1212, 1214
	+		+								12	*120201-120202, 1213, 1215
	+					+					-	*1204
	+		+								-	*1216
		+	+	+							13	*130101-130201, 130203, 1304, 1308, 1316, 1320, 1322-1324, 1327-1329, 1331, 1332, 1334-1336, 1338-1341, 1348, 1351, 1352, 1354, 1359, 1361, 1363-1365, 1368-1376, 1378, 1380
		+		+							13	*130202, 130301- 130302, 1310, 1333, 1337, 1366, 1381
		+	+	+							13	*130501-130502, 130701-130702, 1311, 131401-131402, 1321, 1342, 1346, 1349, 1350, 1362
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.

100	85	210	195	175	100	110	110	230	215	260		Length of spec.
170	105		210		140	135	175					PCR product
						170	225					
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.
		+		+							13	*1306, 1312, 1325, 1330, 1356, 1358, 1360, 1377
			+	+							13	*1309
		+		+			+				-	*1313
		+	+	+							-	*1315, 1319, 1353, 1357
			+								13	*1317
		+	+	+							-	*1326
		+	+			+	+				-	*1343
				+							-	*1344
		+	+		+		+				-	*1345
		+	+								-	*1367
					+	+	+				14	*140101-140102, 1404, 140701-140702, 1410, 1426, 1428, 1431- 143202, 1435, 1438, 1439, 1454, 1455, 1457, 1460-1462, 1470, 1471
						+	+				-	*140103, 1408, 142302, 1434, 1472
				+		+					14	*1402, 1406, 1409, 1413, 1417, 1420, 1429, 1430, 1433, 1441, 1447, 1448, 1451
		+		+			+				14	*140301-140302, 1412, 1440, 1463, 1467
				+		+	+				14	*140501-140503, 1414, 142301, 1436, 1443- 1445, 1456, 1459, 1464, 1465
						+	+				-	*1411
		+	+		+	+	+				6	*1416
				+		+	+				-	*1418
		+		+		+					-	*1419, 1421
		+	+		+	+	+				-	*1422
			+	+							-	*1424
		+	+		+		+				-	*1425, 1453
		+	+	+			+				14	*1427
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.

100	85	210	195	175	100	110	110	230	215	260		Length of spec.
170	105		210		140	135	175					PCR product
						170	225					
13	14	15	16	17	18	19	20	21	22	23	DR	Tube No.
			+	+	+						-	*1437
				+			+					*1442
						+					-	*1446, 1452
					+	+	+				-	*1449
					+	+	+				-	*1450
					+		+				-	*1458
					+	+	+				-	*1468
		+			+		+				-	*1469
			+		+	+	+				-	*1473
		+			+	+	+				-	*1474
											15	*150101-1520, 1522-1526
							W				-	*1521
						+					-	*1527
											16	*160101-1603, 160501-160502, 1607-1613N
							W				16	*1604
13	14	15	16	17	18	19	20	21	22	23		Tube No.
											ser ⁵	DRB1 allele ⁴
								+			52	DRB3*01010201-0111, 020101-0223, 030101-0303
									+		53	DRB4*01010101-0107
										+	51	DRB5*010101-0113, 0202-0205
13	14	15	16	17	18	19	20	21	22	23	ser ⁵	Tube No.