

INTERPRETATION TABLE																
DRB1*11 SSP subtyping																
Amplification patterns of the DRB1*1101 to DRB1*1170 alleles																
	Well ⁵															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	175	65	200	85	80	125	125	85	65	200	95	70	145	60	110
PCR product										85	255	185	105		105	
Length of int.	515	430	430	430	515	515	430	430	430	430	515	430	430	430	430	430
pos. control ¹																
5'-primer(s) ²	13	13	58	13	58	58	58	58	58	58	13	10	37	13	37	13
	5'-g TC ³	5'-g gg ³	5'-gAA ³	5'-g TC ³	5'-T gA ³	5'-gAg ³	5'-gAg ³	5'-gAg ³	5'-gAg ³	5'-gAg ³	5'-gAg ³	5'-g TC ³	5'-g CT ³	5'-Ag A ³	5'-g TC ³	5'-g TT ³
													41	49		52
													5'-T CA ³	5'-gg A ³		5'-g AT ³
3'-primer(s) ³	58	58	67	67	71	71	86	86	73	67	67	58	58	47	58	37
	5'-C CT ³	5'-C CT ³	5'-gAA ³	5'-gAT ³	5'-CCT ³	5'-CTC ³	5'-C AC ³	5'-C CA ³	5'-g gC ³	5'-gAg ³	5'-gAg ³	5'-C CT ³	5'-C CT ³	5'-gg T ³	5'-C CT ³	5'-gTC ³
	58		67	67	72				74	73	85					38
	5'-C CT ³		5'-gAA ³	5'-gAT ³	5'-gC g ³				5'-C CA ³	5'-g gC ³	5'-C Ag ³					5'-CAA ³
					74					74						38
					5'-C Ag ³					5'-C Ag ³						5'-g Cg ³
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele ⁴																
*110101-110107	1		3		5		7									
*110201-110202	1			4		6		8								
*1103	1		3			6		8								
*110401-110403	1		3		5			8								
*110404	1		3		5			8								
*1105		2	3		5		7									
*110601-110602	1		3		5			8			11					
*1107	1							8	9	10						
*110801-110802	1				5		7				11					
*1109	1		3		5		7						13			
*111001	1		3		5		7								15	
*111101-111102	1		3			6	7									
*111201	1		3		5		7								15	
*111202	1		3		5		7								15	
*1113	1				5			8		10					15	
*111401-111402	1			4		6	7									
*1115	1		3		5		7									16
*1116	1			4		6		8					13			
*1117	1				5			8		10				14	15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	200	95	70	145	60	110
PCR product										85	255	185	105		105	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1118	1			4	5			8								
*111901-111902	1			4	5		7									
*1120	1			4		6	7						13			
*1121	1			4		6		8			11					
*1122			3		5		7									
*1123	1		3		5		7		9	10						
*1124	1		3		5		7									16
*1125	1		3		5			8	9	10						
*1126	1				5		7			10						
*112701-112702	1		3		5		7									
*1128	1		3		5		7						13			
*1129	1		3		5		7									
*1130			3		5		7					12				
*1131	1			4	5		7									
*1132	1		3		5		7		9							
*1133	1		3		5		7									
*1134	1				5			8		10						
*1135	1		3		5			8								
*1136	1			w		6		8			11					
*1137	1		3		5		7							14		
*1138	1		3		5			8								
*1139	1		3		5		7									
*1140	1		3			6		8					13			
*1141	1		3			6		8						14		
*1142	1				5			8			11					
*1143	1		3		5			8								
*1144	1		3		5			8								16
*1145	1			4	5		7		9	10						
*1146	1		3		5			8								
*1147	1		3		5			8			11					
*1148	1			4		6		8						14		
*1149	1		3		5		7									16
*1150	1		3		5			8						14		16
*1151	1		3				7									
*1152	1				5			8		10				14	15	
*1153	1						7		9	w						
*115401-115402	1		3		5			8								
*1155	1		3		5	6		8	9	10						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	200	95	70	145	60	110
PCR product										85	255	185	105		105	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1156	1		3		5			8						14		
*1157	1				5			8			11					
*1158	1		3		5			8					13			
*1159	1		3			6		8					13			
*1160	1		3		5			8					13			
*1161	1		3		5		7					12				
*1162	1		3		5		7									
*1163	1		3			6		8								
*1164	1				5		7		9	10	11					
*116501-116502	1			4		6		8								
*1166	1		3		5		7								15	
*1167		2	3		5			8	9	10						
*1168	1			w		6	7				11					
*1169	1						7									
*1170	1			4		6		8	9							
*0103, 0414, 1367																
*0115, 0438, 07010101-070103, 0703-0715, 080302, 0814, 0815, 0818, 0819, 0823, 0825, 0827, 0829, 0830, 0832- 0836, 150201- 150206, 1511, 1514, 1519, 1526, 1529, 1530, 160501-160502, 1607																
*030201-0303, 0306, 0327, 0331, 0338, 130701- 130702, 1326, 1349, 1402, 1406, 1409, 1413, 1418, 1419, 1441, 1447, 1448, 1451, 1480, 1481, 1483														14		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	200	95	70	145	60	110
PCR product										85	255	185	105		105	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0304, 0321, 0330, 1465																
*0308	1							8	9	10			13			
*0310																
*0317, 1459														14		
*0320									11							
*0326														14		16
*0333													16			
*0335, 140501-140503, 1414, 1420, 142301-142302, 1436, 1443-1445, 1456														14		
*0337																
*0402, 0437, 1317, 1457, 1510																
*0412, 0418, 0425, 0436, 0453, 0458, 080401, 080404, 0806, 0810, 0812, 0822, 120101-120102, 120302, 1205-1212, 1214, 1217, 1415, 1473, 1521																
*0415			3		5			8								
*0461					5		7		10							
*0817, 1216, 130501-130502, 131401-131403, 1321, 1346, 135001-135002, 1609																
*0820													14			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	200	95	70	145	60	110
PCR product										85	255	185	105		105	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0828, 120201-120203, 1213, 1215, 131101-131102, 1342																
*0831		2	3		5			8								
*1204		2			5			8								
*130101-130103, 1304, 1310, 1315, 1322, 1327, 1328, 1332, 1335, 1351, 1352, 1359, 1361, 1364, 1369, 1379, 1380				4												
*130201-130203, 1323, 1331, 1334, 1339, 1341, 1373	4															
*130301-130302, 1333, 1336-1338, 1365				4										14		
*1306, 1377	4															
*1308, 1319, 1372, 1376, 1384				4										14		
*1309																
*1312, 1385				4										14		
*1313, 1463, 1467	4												14			
*1316				4												
*1318																
*1320, 1371, 1378				w							11					
*1324, 1354, 1375																
*1325, 1356											11					
*1329	w								11							
*1330, 1366, 1382				4												
*1332, 1340, 1348, 1353, 1370	4												14			
*1343				w							11					
*1345	4															
*1347, 1355, 1425, 1427, 1458														14		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	175	65	200	85	80	125	125	85	65	200	95	70	145	60	110
PCR product										85	255	185	105		105	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1357, 1383, 1387				4												
*1358				4							11			14		
*1360											11			14		
*1362																16
*1363																
*1368				4												16
*1374				w												
*1381				4							11			14		
*140101-140103, 140701-1408, 1422, 1426, 143201-143202, 1434, 1438, 1439, 1449, 1454, 1455, 1460, 1462, 1470, 1475, 1482														14		
*140301, 1469, 1477											11			14		
*140302											11					
*1411		2			5			8		10					15	
*1412											11			14		
*1416				4										14		
*1424														14		
*1429											11			14		
*1435, 1472																
*1437														14		
*1440											11			14		
*1453																
*1474											11			14		
*1478				4										14		
DRB1 allele ⁴																
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB3*0211, DRB5*0107, DRB5*0111, DRB5*0203																
DRB3*0218							7			10		12				
DRB5*0113			3		5		7									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE

DRB1*11 SSP subtyping

Amplification patterns of the DRB1*1101 to DRB1*1170 alleles

Well ⁵																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225		175	180		255									PCR product
					215											
430	515	430	515	430	430	430	430	515	430	430	430	515	515	515	430	Length of int.
																pos. control ¹
58	58	13	13	13	13	59	13	34	32	71	71	67	47	71	58	5'-primer(s) ²
5'-T gA ^{3'}	5'-gAg ^{3'}	5'-g TC ^{3'}	5'-g TC ^{3'}	5'-A CA ^{3'}	5'-g TC ^{3'}	5'-g gg ^{3'}	5'-g TC ^{3'}	5'-CAg ^{3'}	5'-TC C ^{3'}	5'-C gA ^{3'}	5'-C gA ^{3'}	5'-AC A ^{3'}	5'-g TT ^{3'}	5'-C Ag ^{3'}	5'-gAg ^{3'}	
				26						71	71					
				5'-g TA ^{3'}						5'-C AA ^{3'}	5'-C AA ^{3'}					
74	77	60	37	58	38	86	51	58	58	86	86	86	67	86	70	3'-primer(s) ³
5'-CAg ^{3'}	5'-A AT ^{3'}	5'-gTg ^{3'}	5'-C gA ^{3'}	5'-C CT ^{3'}	5'-CAA ^{3'}	5'-C CA ^{3'}	5'-C CC ^{3'}	5'-C CT ^{3'}	5'-C CT ^{3'}	5'-C AC ^{3'}	5'-C CA ^{3'}	5'-C AC ^{3'}	5'-gAA ^{3'}	5'-C CA ^{3'}	5'-T CC ^{3'}	
74	77	74	37		59		85								72	
5'-C CT ^{3'}	5'-A gT ^{3'}	5'-C CA ^{3'}	5'-C gg ^{3'}		5'-T Ag ^{3'}		5'-C Ag ^{3'}								5'-C CT ^{3'}	
			38		71											
			5'-g Cg ^{3'}		5'-gC g ^{3'}											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																DRB1 allele ⁴
													30			*110101-110107
											28					*110201-110202
											28					*1103
													30	31		*110401-110403
								25					30	31		*110404
													30			*1105
							24						30	31		*110601-110602
	18															*1107
																*110801-110802
								25	26				30			*1109
			20					25	26				30			*111001
										27			30			*111101-111102
			20										30			*111201
			20					25					30			*111202
			20					25	26						32	*1113
										27		29				*111401-111402
					22								30			*1115
								25	26		28					*1116
17			20					25	26						32	*1117
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225		175	180		255									PCR product
					215											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
														31		*1118
												29				*111901-111902
								25	26	27		29				*1120
							24				28					*1121
				21				25					30			*1122
17		19											30			*1123
													30			*1124
17		19											30	31		*1125
																*1126
	18												30			*112701-112702
													30			*1128
			20										30			*1129
													30			*1130
		19										29				*1131
		19											30			*1132
					22								30			*1133
																*1134
					22								30	31		*1135
											28					*1136
																*1137
					23								30	31		*1138
							24						30			*1139
								25	26		28		30			*1140
											28					*1141
														31		*1142
							24						30	31		*1143
			20										30	31		*1144
17		19										29				*1145
								25	26				30	31		*1146
			20				24						30	31		*1147
											28					*1148
			20										30			*1149
			20				24							31		*1150
													30		32	*1151
17		19	20					25	26						32	*1152
17																*1153
17													30	31		*115401-115402
17		19									28		30			*1155
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225		175	180		255									PCR product
					215											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
														31		*1156
							24							31		*1157
								25					30	31		*1158
				21				25	26		28		30			*1159
													30	31		*1160
													30			*1161
									26				30			*1162
			20								28		30			*1163
17		19														*1164
					22						28					*116501-116502
													30			*1166
17													30	31		*1167
										27						*1168
					22											*1169
		19									28					*1170
									27			29				*0103, 0414, 1367
																*0115, 0438,
																07010101-070103,
																0703-0715,
																080302, 0814,
																0815, 0818, 0819,
																0823, 0825, 0827,
																0829, 0830, 0832-
																0836, 150201-
																150206, 1511,
																1514, 1519, 1526,
																1529, 1530,
																160501-160502,
																1607
																*030201-0303,
																0306, 0327, 0331,
																0338, 130701-
																130702, 1326,
																1349, 1402, 1406,
																1409, 1413, 1418,
																1419, 1441, 1447,
																1448, 1451, 1480,
																1481, 1483
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225		175	180		255									PCR product
					215											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
20																*0304, 0321, 0330, 1465
	18			21				25	26							*0308
19																*0310
							24									*0317, 1459
				24												*0320
			20													*0326
20																*0333
			20													*0335, 140501-140503, 1414, 1420, 142301-142302, 1436, 1443-1445, 1456
				24												*0337
											28					*0402, 0437, 1317, 1457, 1510
												31				*0412, 0418, 0425, 0436, 0453, 0458, 080401, 080404, 0806, 0810, 0812, 0822, 120101-120102, 120302, 1205-1212, 1214, 1217, 1415, 1473, 1521
				21										31		*0415
				21												*0461
													30			*0817, 1216, 130501-130502, 131401-131403, 1321, 1346, 135001-135002, 1609
19												31				*0820
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225		175	180		255									PCR product
					215											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
													30	31		*0828, 120201-120203, 1213, 1215, 131101-131102, 1342
														31		*0831
														31		*1204
											28					*130101-130103, 1304, 1310, 1315, 1322, 1327, 1328, 1332, 1335, 1351, 1352, 1359, 1361, 1364, 1369, 1379, 1380
										27			29			*130201-130203, 1323, 1331, 1334, 1339, 1341, 1373
										27			29			*130301-130302, 1333, 1336-1338, 1365
														31		*1306, 1377
			20								28					*1308, 1319, 1372, 1376, 1384
					22											*1309
												29				*1312, 1385
		19										29				*1313, 1463, 1467
																*1316
		19											30	31		*1318
											28					*1320, 1371, 1378
											28		30			*1324, 1354, 1375
																*1325, 1356
										27						*1329
												29				*1330, 1366, 1382
											28					*1332, 1340, 1348, 1353, 1370
		19									28					*1343
		19								27			29			*1345
		19														*1347, 1355, 1425, 1427, 1458
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

90	95	180	115	135	115	120	155	110	120	85	85	100	100	85	75	Length of spec.
		225		175	180		255									PCR product
					215											
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
			20								28					*1357, 1383, 1387
							24							31		*1358
			20													*1360
					22								30			*1362
										27			30			*1363
											28					*1368
										27		29				*1374
							24									*1381
		19	20													*140101-140103, 140701-1408, 1422, 1426, 143201-143202, 1434, 1438, 1439, 1449, 1454, 1455, 1460, 1462, 1470, 1475, 1482
		19														*140301, 1469, 1477
		19														*140302
17								25	26						32	*1411
		19												31		*1412
		19	20								28					*1416
					22							29				*1424
							24									*1429
		19	20													*1435, 1472
			20		22											*1437
		19	20													*1440
		19											30			*1453
		19	20											31		*1474
		19												31		*1478
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DRB1 allele ⁴
																Well No.
												29				DRB3*0211, DRB5*0107, DRB5*0111, DRB5*0203
	18															DRB3*0218
																DRB5*0113
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.