

INTERPRETATION TABLE																
DRB1*13 SSP subtyping																
Amplification patterns of the DRB1*1301 to *1388 alleles																
	Well ⁴															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Length of int.	515	430	430	430	430	515	430	430	430	430	430	430	515	430	515	430
pos. control ¹																
5'-primer(s) ²	13(125)	13(125)	13(125)	13(125)	13(125)	13(125)	37(196)	37(196)	13(125)	13(125)	13(125)	13(125)	13(125)	32(181)	13(125)	34(189)
	5'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-AgA 35'	35'-AgA 35'	35'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-gTC 35'	35'-TCT 35'	35'-gTC 35'	35'-CAg 35'
							37(196)							34(189)		34(189)
							5'-AgA 3'							5'-CAA 3'		5'-CAg 3'
														37(197)		
														37(303)		
														5'-gTT 3'		
3'-primer(s) ³	58(260)	67(286)	67(286)	57(256)	71(298)	71(298)	86(344)	86(344)	86(344)	86(344)	67(286)	71(299)	47(227)	71(298)	28(171)	71(298)
	5'-Cgg 35'	35'-gAT 35'	35'-gAA 35'	35'-gCT 35'	35'-CTT 35'	35'-CTC 35'	35'-CAC 35'	35'-CCA 35'	35'-CAC 35'	35'-CCA 35'	35'-gAg 35'	35'-gCT 35'	35'-ggT 35'	35'-CTC 35'	35'-CTC 35'	35'-CTC 35'
	58(260)	67(286)	67(286)		71(298)	71(298)					67(286)	72(303)			77(317)	
	5'-CAg 35'	35'-gAT 35'	35'-gAA 35'		5'-CCT 35'	35'-CgC 35'					5'-gAg 35'	35'-gCg 35'			5'-AgT 35'	
		67(286)			74(307)						71(299)					
		5'-gAT 3'			5'-CAg 3'						5'-gCg 3'					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRB1 allele																
*130101, 130102	1	2				6		8		10		12				16
*130103	1	2				6		8		10		12				16
*130201, 130203	1	2				6	7		9			12				16
*130202	1	2				6	7		9			12				
*130301, 130302	1	2		4	5				9			12	13			
*1304	1	2		4		6				10		12		14		
*130501, 130502	1		3		5		7		9							
*130701, 130702	1		3		5				9				13			
*1308	1	2				6				10		12	13	14		16
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1306	1	2			5			8		10						
*1309	1	2				6		8		10	11					
*1310	1	2			5			8		10		12				
*131101, 131102	1		3		5					10						
*1312	1	2		4	5				9				13			
*1313	1	2		4	5				9				13			
*131401-131403	1		3		5				9							
*1315	1	2				6		8		10		12			15	16
*1316	1	2				6						12				16
*1317														14		
*1318	1		3		5			8		10						
*1319	1	2				6				10		12	13	14	15	16
*1320	1					6		8		10	11	12				16
*1321	1		3	4	5				9							
*1322	1	2				6				10		12		14		
*1323	1	2				6			9			12		14		
*1324	1		3			6				10		12		14		
*1325	1				5				9		11					
*1326	1		3		5		7		9			12	13		15	
*1327	1	2				6		8		10		12				16
*1328	1	2				6		8		10		12				16
*1329	1					6	7		9		11	12				16
*1330	1	2		4	5				9							
*1331	1	2				6	7		9			12				16
*1332	1	2		4		6		8		10		12	13			16
*1333	1	2		4	5				9			12	13		15	
*1334	1	2				6	7		9			12				16
*1335	1	2				6		8		10		12				16
*1336	1	2				6	7		9			12	13			16
*1337	1	2			5				9			12	13			
*1338	1	2		4		6			9			12	13	14		
*1339	1	2				6	7		9			12				16
*1340	1	2				6		8		10		12	13			16
*1341	1	2				6	7		9			12				16
*1342	1		3		5			8		10						
*1343						6		8		10	11	12				16
*1344	1				5					10						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1345	2				6				9				12			
*1346	1		3		5				9							
*1347	1		3		5				9				13			
*1348	1	2		4		6				10		12	13	14		
*1349	1		3	4	5				9				13			
*135001	1		3		5		w		9							
*135002	1		3		5		7		9							
*1351	1	2				6		8		10		12				16
*1352	1	2			6				10				16			
*1353	1	2				6		8		10		12	13		15	16
*1354	1		3		6				10				14			
*1355	1		3	4	5				9				13			
*1356	1				5		7		9							
*1357	1	2				6				10		12		14	15	16
*1358	1	2		4	5				10				13			
*1359	1	2				6		8		10		12				16
*1360	1				5				9				13			
*1361	1	2				6		8		10		12				16
*1362	1		3		5				9							
*1363	1		3			6	7		9			12				16
*1364	1	2			6				10				14			
*1365	1	2		4		6	7		9			12	13			16
*1366	1	2		4	5				9							
*1367							7									16
*1368	1	2			6				10				16			
*1369	1	2				6		8		10		12		14		16
*1370	1	2			6				10				13	14		
*1371	1					6		8		10	11	12				16
*1372	1	2			6				10				13	14		16
*1373	1	2				6	7		9			12				16
*1374	1	w			6				9				16			
*1375	1		3	4		6				10		12		14		
*1376	1	2			6				10				13	14		16
*1377	1	2			5			8		10		12				
*1378	1				6				10		11	12	16			
*1379	1	2				6		8		10		12				16
*1380	1	2			6				10				16			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1381	1	2		4	5					10		12	13			
*1382	1	2			5				9							
*1383	1	2				6				10		12		14		16
*1384	1	2				6				10		12	13			16
*1385	1	2			5		7		9			12	13		15	
*1386	1				5				9						15	
*1387	1	2				6		8		10		12				16
*1388	1			4	5				9		11	12	13			
*03010101, 03010102, 030103- 030105, 0307, 0311, 0318, 0319, 0322, 0323, 0328, 0332-0334, 0336, 0337, 0339	1							8		10					15	
*030102, 0324	1							8		10						
*030106, 0308, 0310								8		10					15	
*030201	1						7		9				13		15	
*030202, 0327	1						7		9				13		15	
*0303, 0306, 0326	1							8		10			13		15	
*0304, 0321, 0325, 0330	1									10					15	
*030501, 030502, 0309, 0329	1						7		9						15	
*0312	1			4				8		10					15	
*031301	1							8		10					15	
*031302	1							8		10						
*0314	1						7		9							
*0315	1							8		10						
*0316	1							8		10					15	
*0317, 0335	1								9				13			
*0320	1							8		10					15	
*0331	1									10			13		15	
*0338	1						7		9				13		15	
*0340	1								9						15	

*0341	1								9				13 15			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*0402, 0437														14		
*0414													14			
*0442, 0459, 0828, 1167, 120201-120204, 1207, 1212, 1213, 1215, 1218, 1219, 15010101-150106, 15030101-1506, 1509, 1512, 1513, 1516-1518, 1520-1525, 1528																
*0809, 0821, 1415, 1473																
*0820	1		3		5					10			13			
*0832, 1211																
*110101, 110102, 110104, 110106, 111201, 111202, 1129, 1132, 1133, 1139, 1161, 1166, 1172, 1453			3		5				9							
*110103	3				5				9 12							
*110105			3		5				9							
*110107	3				5				9							
*110201, 110202, 116501, 116502, 1170		2				6				10		12		14		
*1103, 1163	3				6				10 12				14			
*110401, 110402, 110404, 1135, 1138, 1143, 115402, 1160			3		5					10						

*110403, 115401	3				5				10							
*110601, 1147			3		5					10						
*110602	3				5				10							
*1107										10					15	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*110801, 110802					5				9 11							
*1109			3		5		7		9							
*111001, 111002, 1162	3				5				9							
*111101, 111102			3			6			9			12		14		
*111301, 111302, 1435, 1472					5				10							
*111401, 111402		2				6			9			12		14		
*1115, 1149	3				5				9							
*1116		2				6		8		10		12				16
*1117, 1152, 140101, 140103, 1408, 1426, 143202, 1434, 1439, 1454, 1458, 1460, 1462, 1470, 1482					5				10				13			
*1118		2			5					10						
*111901, 1131		2			5				9							
*111902		2			5				9			12				
*1120		2				6	7		9			12	16			
*1121		2				6				10		12		14		
*1123, 112701	3				5				9							
*1124			3		5				9							
*1125	3				5				10							
*1126					5				9							
*112702	3				5				9				15			
*1128			3		5		w		9							
*1134					5				10							
*1136						6				10	11	12		14		
*1137, 1425	3				5				9				13			
*1140			3			6		8		10		12				16
*1141	3				6				10				13 14			

*1142					5					10	11					
*1144	3				5					10						
*1145		2			5					9						
*1146	3				5					10						
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1148		2				6				10		12	13	14		
*1150	3				5					10			13			
*1151			3						9							
*1153									9							
*1155			3		5	6				10						
*1156	3				5					10			13			
*1157					5					10	11					
*1158	3				5			8	10							
*1159			3			6		8		10		12				16
*1164					5					9		11				
*1168						6			9		11	12		14		
*1169					6				9		11					
*120101, 120102, 120302-1206, 1208, 1210, 1214, 1217																
*140102, 143201, 1475					5					10			13			
*1402, 1451	1				5		7		9				13		15	
*140301	1				5	7			9	11			13	15		
*140302	1				5		7		9		11				15	
*140501, 140502, 142301, 1443, 1445	1				5					10			13			
*140503	1				5					10			13			
*1406, 1481, 1483	1				5	8			10			13 15				
*140701, 140702					5				9				13			
*1409	1				5	7			9				13			
*1412	1				5			8		10	11		13		15	
*1413	1	4			5	7			9				13	15		
*1414, 1436, 144401	1				5				9				13			

*1416	2				6				10 12				13	14	16	
*1417, 1433	1				5			8		10						
*1418	1				5			8		10			13		15	
*1419	1				5		7		9			12	13		15	
*1420	1				5					10			13		15	
*1421	1				5			8		10		12				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Length of spec.	175	200	200	170	220	215	190	190	260	260	205	215	145	145	85	150
PCR product															235	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
*1422	3				5				9				13			
*142302	w				5					10			13			
*1424	1	2				6	7		9		11		13		15	
*1427	1		3		5		7		9				13		15	
*1429	1				5			8		10			13		15	
*1430	1				5		7		9							
*1437	1	2				6				10	11		13			
*1438					5					10			13			
*1440	1				5				9		11		13		15	
*1441	1				5				9				13		15	
*1442	1				5				9							
*144402	1				5				9				13			
*1446, 1608, DRB3*0108, DRB3*0206, 0220							7									
*1447	1				5		7		9				13		15	
*1448	1				5		7		9				13		15	
*1449					5				9				13		15	
*1452							8									
*1455					5					10			13			
*1456	1									10			13			
*1457														14		16
*1459	1				5			8		10			13			
*1463	1	2		4	5		7		9				13		15	
*1464	1				5			8		10						
*1465	1			4	5					10						
*1467	1	2			5		7		9				13		15	
*1469					5				9		11		13			
*1474					5					10	11		13			
*1477	1				5				9		11		13		15	
*1478	1	2		4	5			8		10			13		15	

*1480	1				5			8		10			13			
*1484	1				5				10	11			13			
*1485	1			4	5		7		9		11		13		15	
*1510													14			16
*1532								8								
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

INTERPRETATION TABLE	
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DRB1*13 SSP subtyping

Amplification patterns of the DRB1*1301 to *1388 alleles

Well ⁴																
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
145	110	110	180	175	110	115	145	110	145	145	160	155	85	75	220	Length of spec.
220	230	150	205		175	235	180							170	255	PCR product
255		205	225			255								205		
		260														
430	430	430	515	430	430	430	430	430	515	515	430	430	515	430	430	Length of int.
																pos. control ¹
13(125)	13(125)	13(125)	10(116)	26(164)	13(125)	13(125)	13(125)	13(125)	32(181)	13(125)	47(227)	28(171)	71(299)	16(135)	13(125)	5'-primer(s) ²
5'-gTC 35'	5'-gTC 35'	5'-gTC 35'	5'-gCT 35'	5'-gTA 35'	5'-gTC 35'	5'-gTC 35'	5'-gTC 35'	5'-gTC 35'	5'-TCC 35'	5'-gTC 35'	5'-gTT 35'	5'-gAg 35'	5'-CgA 35'	5'-CAA 35'	5'-gTC 3'	
			16(133)									28(171)		27(167)		
			5'-gTT 3'									5'-gAg 3'		5'-CCA 3'		
			25(161)											60(265)		
			5'-gCT 3'											5'-AgC 3'		
48(229)	37(196)	37(196)	71(299)	71(299)	37(196)	38(199)	48(230)	37(196)	67(286)	47(227)	86(344)	67(286)	86(344)	71(298)	71(298)	3'-primer(s) ³
5'-CCA 35'	5'-gAT 35'	5'-gAT 35'	5'-gCT 35'	5'-gCT 35'	5'-gTC 35'	5'-CAg 35'	5'-CCA 35'	5'-gAA 35'	5'-gAA 35'	5'-ggA 35'	5'-CCA 35'	5'-gAT 35'	5'-CCA 35'	5'-CTC 35'	5'-CTT 3'	
72(303)	74(307)	50(235)			57(257)	78(321)	60(266)	37(196)	67(286)	48(229)		67(286)			72(303)	
5'-gCg 35'	5'-CAg 35'	5'-CAA 3'			5'-CgA 35'	5'-CAA 35'	5'-Agg 35'	5'-gTA 35'	5'-gAA 35'	5'-CCA 3'		5'-gAT 3'			5'-gCg 3'	
84(337)	77(318)	68(290)				84(337)		37(196)							85(341)	
5'-CCg 35'	5'-TAA 35'	5'-CCC 3'				5'-CCg 3'		5'-ggA 3'							5'-CAg 3'	
		86(344)														
		5'-CAT 3'														
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
																DRB1 allele
										27	28		30			*130101, 130102
						23				27	28		30			*130103
										27						*130201, 130203
17										27					32	*130202
								25							32	*130301, 130302
								25		27	28		30			*1304
									26	27						*130501, 130502
								25								*130701, 130702
								25					30			*1308
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

145	110	110	180	175	110	115	145	110	145	145	160	155	85	75	220	Length of spec.
220	230	150	205		175	235	180							170	255	PCR product
255		205	225			255								205		
		260														
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
										27	28					*1306
										27	28					*1309
										27	28				32	*1310
								25		27	28					*131101, 131102
								25								*1312
18								25								*1313
								25		27						*131401-131403
										27	28	29	30			*1315
		19								27						*1316
			20								28		30			*1317
	18								26	27	28					*1318
								25				29	30			*1319
										27	28		30			*1320
								25		27						*1321
								25		27	28		30			*1322
								25		27						*1323
								25		27	28		30			*1324
								25		27						*1325
17									26						32	*1326
				21						27	28		30			*1327
17						23				27	28		30			*1328
										27						*1329
								25		27						*1330
				22						27						*1331
													30			*1332
								25							32	*1333
						23				27						*1334
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17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

145	110	110	180	175	110	115	145	110	145	145	160	155	85	75	220	Length of spec.
220	230	150	205		175	235	180							170	255	PCR product
255		205	225			255								205		
		260														
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17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.

145	110	110	180	175	110	115	145	110	145	145	160	155	85	75	220	Length of spec.
220	230	150	205		175	235	180							170	255	PCR product
255		205	225			255								205		
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	18						24			27	28					*031302
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145	110	110	180	175	110	115	145	110	145	145	160	155	85	75	220	Length of spec.
220	230	150	205		175	235	180							170	255	PCR product
255		205	225			255								205		
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17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.
145	110	110	180	175	110	115	145	110	145	145	160	155	85	75	220	Length of spec.
220	230	150	205		175	235	180							170	255	PCR product
255		205	225			255								205		
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17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	Well No.