

INTERPRETATION TABLE																							
DRB1*14 SSP subtyping																							
Amplification patterns of the DRB1*1401 to DRB1*1481 alleles																							
	Well ⁴																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									170			
																				215			
Length of int.	515	430	515	430	430	515	430	430	430	430	430	515	430	515	430	430	430	430	430	430	515	430	430
pos. control ¹																							
5'-primer(s) ²	13	13	37	13	13	13	13	13	16	11	16	13	34	37	37	57	13	13	37	11	13	13	13
	5'-g TC ³	5'-g TC ³	5'-Ag A ³	5'-g TC ³	5'-g TC ³	5'-g TC ³	5'-g TC ³	5'-g gg ³	5'-CAA ³	5'-AC C ³	5'-g T ³	5'-g TC ³	5'-CAG ³	5'-Ag A ³	5'-Ag A ³	5'-gAT ³	5'-g TC ³	5'-g TC ³	5'-g TT ³	5'-AC C ³	5'-g TC ³	5'-g TC ³	5'-g TC ³
								16	57	13	60			60	37					16			
								5'-g T ³	5'-C TA ³	5'-A CA ³	5'-Ag C ³			5'-Ag C ³	5'-g TT ³					5'-g T ³			
								25												34			
								5'-g CA ³												5'-CAA ³			
																				67			
																				5'-AC A ³			
3'-primer(s) ³	70	57	70	28	86	86	74	57	86	57	58	74	60	67	85	78	71	28	71	57	57	47	47
	5'-T CC ³	5'-C Ag ³	5'-CTg ³	5'-CT C ³	5'-C AC ³	5'-C CA ³	5'-C Ag ³	5'-C Ag ³	5'-C CA ³	5'-C Ag ³	5'-C CT ³	5'-C CT ³	5'-gTg ³	5'-gAA ³	5'-C Ag ³	5'-CA A ³	5'-CTT ³	5'-CT g ³	5'-CTC ³	5'-C Ag ³	5'-gCT ³	5'-g gT ³	5'-g gA ³
			71								74						77	28	74	74	71		
			5'-CTT ³								5'-CgC ³						5'-ggC ³	5'-CT g ³	5'-C Ag ³	5'-C Ag ³	5'-CgC ³		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DRB1 allele ⁵																							
*140101-140103	1	2				6						12	13					18				22	
*1402			3	4	5																	22	
*140301-140302				4	5		7															22	
*1404								8					13							20			
*140501-140502	1					6			9			12				16		18				22	
*140503	1					6			9			12						18				22	
*1406			3	4		6																22	
*140701-140702	1	2			5							12	13					18				22	
*1408	1					6						12	13			16		18				22	
*1409			3		5													18				22	
*1410										10			13										
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145						
PCR product(s)								170	250		215	170			130					215	110	215							
																				170									
																				215									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
*1411									11				16																
*1412				4		6	7															22							
*1413	3 4				5																	21	22						
*1414	1				5							12				16		18				22							
*1415																	19 20												
*1416		2				6					11		13					18	19			22							
*1417	3					6													18				23						
*1418	1			4		6						12				16						22							
*1419	3 4				5													17				22							
*1420				4		6																22							
*1421	3					6													17 18				23						
*1422		2			5						11		13	14				18				22							
*142301-142302	1					6				12				16				18				22							
*1424				4	5																21	22							
*1425	2					5					11				14				18				20						
*1426	1	2				6		8				12	13					18				22							
*1427	4				5	7							14								22								
*1428								8					13		15					20									
*1429	3 4					6									15								22						
*1430			3		5													18					23						
*1431					8				11				13				20												
*143201-143202	1	2				6					11		13					18				22							
*1433	3					6					12								18				23						
*1434	1					6					11		13			16		18				22							
*1435	1	2				6			12				13				18				23								
*1436	1				5							12				16		18				22							
*1437					6				9								18				21 22								
*1438	1	2				6						12	13					18				22							
*1439	1	2				6			10				12		13			18				20		22					
*1440				4	5		7												19			22							
*1441					4	5																	22						
*1442	1				5							12				16		18					23						
*1443	1				6				9				12				16				17 18				22				
*144401	1				5							12				16		18				22							
*144402	1				5								12								18				22				
*1445	1					6			9			12				16		18				22							
*1446	3																												
*1447			3	4	5																	22							
*1448	3 4				5																					22			

Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									170			
																				215			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*1449		2		4	5						11		13									22	
*1450								8					13						20				
*1451			3	4	5							12										22	
*1452			3								11												
*1453		2			5						11			14				18		20			23
*1454	1	2				6						12	13					18				22	
*1455	w	2				6	7						13					18	19			22	
*1456	1					6			9			12				16		18				22	
*1457										10									19				
*1458	1	2				6						12						18		20		22	
*1459	1					6						12				16		18				22	
*1460	1	2				6						12	13					18				22	
*1461								8					13										
*1462	1	2				6			9			12	13					18				22	
*1463				4	5		7													20	21	22	
*1464	1					6						12				16		18				23	
*1465	1					6			9									18			21		23
*1467				4	5		7													20		22	
*1468								8					13							20			
*1469		2			5						11							18		20		22	
*1470	1	2				6						12	13									22	
*1471								8					13							20			
*1472	1					6						12	13			16		18					23
*1473								8					13	14						20			
*1474		2				6					11		13					18				22	
*1475	1	2				6						12	13					18				22	
*1476								8												20			
*1477				4	5		7												19			22	
*1478				4		6	7		9											20	21	22	
*1479								8					13							20			
*1480			3			6												18				22	
*1481	1			4		6																22	
*010201-010204																16							
*0114											11									20			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									170			
																				215			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*030101, 030103-030106, 0307, 0313, 0315, 0319, 0322, 0323, 0328, 0332-0334, 0336, 0337, 0339, 1320, 1371,						6												18					23
*030102						6												18					23
*030201				4	5																	22	
*030202				4	5																	22	
*0303				4		6																22	
*0304, 0321, 0325, 0330, 131101-131102, 1322, 1324, 1344, 1352, 1368						6												18					23
*030501-030502, 0309, 0314, 0340, 131401-131403, 1323, 1325, 1329, 1356, 1362, 1374, 1382						5												18					23
*0306, 0326						6												18					22
*0308						6												18					23
*0310		2				6							13					18					23
*0311						6						12						18					23
*0312						6			9									18			21		23
*0316						6												18					
*0317					5							12						18				22	
*0318						6												18					23
*0320						6									15			18					23
*0324						6						12						18					23
*0327				4	5							12										22	
*0329, 1386				4	5																		23
*0331, 1370, 1384						6												18				22	
*0335					5							12						18				22	
*0338				4	5																	22	
*0410, 0411, 0467, 1512									9														
*0412									9											20			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									170			
																				215			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*0418, 080101-080203, 080302, 080402-080403, 0807, 0813, 0814, 0816, 0817, 0819, 0823, 0826, 0827, 0830, 0832-0834, 1521																				20			
*0462										10	11												
*0469										10													
*0477																							
*0706								8															
*080401, 080404, 0828																				20			
*0805, 0818, 0824, 0825, 1216											11												
*0806, 0810, 0812, 0822									9											20			
*0808								8						14						20			
*0809, 0821, 0835																			19	20			
*0811								w												20			
*0815																				20			
*0820						6	7											18		20		22	
*0831, 120101-120203, 120302, 1206-1208, 1210-1213, 1317											11												
*110101-110104, 110106, 110801-110802, 1110-111202, 111401-1115, 111901-111902, 1124,1126, 112702, 1129, 1132, 1133, 1139, 1149, 1151, 1161, 1162, 1166, 1168					5														18				23
*110105					5											16		18					23
*110107					5													18					
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									170			
																			215				
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*110201-110402, 110404, 110601, 1107, 1118, 1121, 1134-1136, 1138, 1142-1144, 1146, 1147, 1157, 1160, 1163, 116501-116502					6												18					23	
*110403, 110602						6										16		18					23
*1109, 1128					5									14				18					23
*1113	1					6										16		18					23
*1116					6													18					23
*1117	1					6						12				16		18				22	
*1120					5													18					23
*1123, 1145, 1164					5		7											18		20			23
*1125, 1155					6	7												18		20			23
*112701					5													18					23
*1131					5													18					23
*1137					5													18				22	
*1140, 1158, 1159					6									14				18					23
*1141, 1148, 1150, 1156					6													18				22	
*1152	1				6							12	13			16		18				22	
*1153					5							12						18					23
*115401					6							12				16		18					23
*115402					6							12						18					23
*1167											11									20			
*1169					5													18			21		23
*1204, 1209											11					16							
*1205, 1214, 1215											11				15								
*130101, 130102, 1306, 1327, 1328, 1351, 1359, 1369,					6													18					23
*130103					6											16		18					23
*130201-130203, 1339, 1341, 1373					5													18					23
*130301-130302, 1333					5												17	18			21	22	
*1304, 1375					6				9									18			21		23
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									215			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*130501-130502, 135001-135002, 1363					5									14				18					23
*130701-130702, 1360					5													18				22	
*1308						6												18	19			22	
*1309						6												18			21		23
*1310						6											17	18					23
*1312, 1338, 1349					5													18			21	22	
*1313, 1355					5		7											18		20	21	22	
*1315				4		6																	23
*1316																		18					23
*1318						6	7							14				18					23
*1319				4		6													19			22	
*1321, 1330					5													18			21		23
*1326				4	5									14								22	
*1331					5													18					23
*1332						6			9									18			21	22	
*1334					5													18					23
*1335, 1380						6												18					
*1336					5													18				22	
*1337					5												17	18				22	
*1340						6												18				22	
*1342						6								14				18					23
*1343		2				6					11		13					18					23
*1345		2			5						11							18		20			23
*1346					5													18					23
*1347					5		7											18		20		22	
*1348, 1358						6			9									18			21	22	
*1353				4		6																22	
*1354						6												18					23
*1357				4		6													19				23
*1361						6												18					23
*1364						6												18	19				23
*1365					5													18			21	22	
*1366					5												17	18			21		23
*1367																							
*1372						6			9									18	19			22	
*1376						6					12				16			18	19			22	
*1377						6												18					23
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Length of spec.	210	175	140	85	260	260	225	135	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145
PCR product(s)								170	250		170			130						110	215		
											215									170			
																				215			
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
*1381					6				9								17	18				21	22
*1383						6												18	19				23
*1385	3 4				5												17				22		
*1503, 1523																							
*1608													14										
DRB1 allele ⁵																							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DRB3*0216																							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

	INTERPRETATION TABLE																		
	DRB1*14 SSP subtyping																		
	Amplification patterns of the DRB1*1401 to DRB1*1481 alleles																		
	Well ⁴																		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
115	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.
135	210	250			175			145											PCR product(s)
	250																		
430	430	515	515	430	515	430	515	430	430	515	430	515	430	515	430	430	430	515	Length of int.
																			pos. control ¹
13	16	16	10	13	13	30	37	37	13	16	16	37	13	16	37	16	13	16	5'-primer(s) ²
5'-g TC ^{3'}	5'-CAA ^{3'}	5'-CAA ^{3'}	5'-g CT ^{3'}	5'-g TC ^{3'}	5'-g TC ^{3'}	5'-gA C ^{3'}	5'-g TT ^{3'}	5'-Ag A ^{3'}	5'-g TC ^{3'}	5'-g TT ^{3'}	5'-g TT ^{3'}	5'-Ag A ^{3'}	5'-g TC ^{3'}	5'-CAA ^{3'}	5'-Ag A ^{3'}	5'-g TT ^{3'}	5'-g TC ^{3'}	5'-g TT ^{3'}	
	60	112		16		37													
	5'-Ag C ^{3'}	5'-AC T ^{3'}		5'-gT T ^{3'}		5'-Ag A ^{3'}													
38	73	67	70	77	45	86	60	57	58	70	86	67	58	71	74	86	81	77	3'-primer(s) ³
5'-CAg ^{3'}	5'-ggA ^{3'}	5'-gAT ^{3'}	5'-CTg ^{3'}	5'-TA A ^{3'}	5'-CCT ^{3'}	5'-C CA ^{3'}	5'-gTg ^{3'}	5'-gCT ^{3'}	5'-CC g ^{3'}	5'-T CC ^{3'}	5'-C CA ^{3'}	5'-gAT ^{3'}	5'-CC T ^{3'}	5'-CgC ^{3'}	5'-CCT ^{3'}	5'-CAT ^{3'}	5'-gTA ^{3'}	5'-AgT ^{3'}	
45	86	181			57			71						71					
5'-CCg ^{3'}	5'-C AC ^{3'}	5'-gT T ^{3'}			5'-C gA ^{3'}			5'-CTT ^{3'}						5'-CTC ^{3'}					
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.
		26							33										DRB1 allele ⁵
																			*140101-140103
																			*1402
																			*140301-140302
									34	35									*1404
																			*140501-140502
																			*140503
						30													*1406
	25								33										*140701-140702
									33										*1408
																			*1409
																			*1410
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.

24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.
115	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.
135	210	250			175			145											PCR product(s)
	250																		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.
	25								33										*1449
				28						34	35								*1450
															39				*1451
						30				35									*1452
	25						31		33										*1453
									33										*1454
									33										*1455
	25																		*1456
																			*1457
									33										*1458
						30									39				*1459
					29				33										*1460
									33										*1461
								32				36							*1462
						30									39				*1463
																			*1464
												36							*1465
	25									34									*1467
	25								33										*1468
						30			33										*1469
										34	35					40			*1470
							31												*1471
											35								*1472
																			*1473
									33										*1474
									33								41		*1475
										35								42	*1476
24																			*1477
						30		32				36							*1478
											35							42	*1479
						30													*1480
						30													*1481
	25																		*010201-010204
																			*0114
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.

115	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.		
135	210	250			175			145											PCR product(s)		
	250																				
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.		
						30													*030101, 030103-030106, 0307, 0313, 0315, 0319, 0322, 0323, 0328, 0332-0334, 0336, 0337, 0339, 1320, 1371,		
				28		30													*030102		
																			*030201		
				28															*030202		
						30													*0303		
																			*0304, 0321, 0325, 0330, 131101-131102, 1322, 1324, 1344, 1352, 1368		
																			*030501-030502, 0309, 0314, 0340, 131401-131403, 1323, 1325, 1329, 1356, 1362, 1374, 1382		
						30													*0306, 0326		
						30							37						*0308		
						30	31		33										*0310		
						30													*0311		
						30													*0312		
						30													*0316		
24				28															*0317		
						30													*0318		
						30													*0320		
				28		30													*0324		
				28															*0327		
																			*0329, 1386		
																			*0331, 1370, 1384		
	25			28															*0335		
						29													*0338		
																			*0410, 0411, 0467, 1512		
																			*0412		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.		

115	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.		
135	210	250			175			145											PCR product(s)		
	250																				
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.		
																			*0418, 080101-080203, 080302, 080402- 080403, 0807, 0813, 0814, 0816, 0817, 0819, 0823, 0826, 0827, 0830, 0832- 0834, 1521		
	25																				*0462
	25																				*0469
								32													*0477
																			*0706		
											35								*080401, 080404, 0828		
																			*0805, 0818, 0824, 0825, 1216		
											35								*0806, 0810, 0812, 0822		
	25																		*0808		
																			*0809, 0821, 0835		
																			*0811		
	25																		*0815		
																			*0820		
											35								*0831, 120101-120203, 120302, 1206-1208, 1210-1213, 1317		
																			*110101-110104, 110106, 110801- 110802, 1110-111202, 111401-1115, 111901- 111902, 1124,1126, 112702, 1129, 1132, 1133, 1139, 1149, 1151, 1161, 1162, 1166, 1168		
													37						*110105		
													37						*110107		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.		

115	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.		
135	210	250			175			145											PCR product(s)		
	250																				
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.		
													37						*110201-110402, 110404, 110601, 1107, 1118, 1121, 1134-1136, 1138, 1142-1144, 1146, 1147, 1157, 1160, 1163, 116501-116502		
													37						*110403, 110602		
													37						*1109, 1128		
													37						*1113		
					30							36	37						*1116		
													37						*1117		
												36	37						*1120		
													37						*1123, 1145, 1164		
				28									37						*1125, 1155		
							31						37						*112701		
													37						*1131		
													37						*1137		
					30								37						*1140, 1158, 1159		
													37						*1141, 1148, 1150, 1156		
													37						*1152		
													37						*1153		
													37						*115401		
													37						*115402		
											35								*1167		
													37						*1169		
											35								*1204, 1209		
											35								*1205, 1214, 1215		
					30							36							*130101, 130102, 1306, 1327, 1328, 1351, 1359, 1369,		
					30							36							*130103		
												36							*130201-130203, 1339, 1341, 1373		
																			*130301-130302, 1333		
																			*1304, 1375		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.		

135	115	135	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.
		250					175			145											PCR product(s)
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			Well No.
																					*130501-130502, 135001-135002, 1363
																					*130701-130702, 1360
																					*1308
						30															*1309
						30		32				36									*1310
																					*1312, 1338, 1349
																					*1313, 1355
						30						36									*1315
													36								*1316
						30															*1318
																					*1319
																					*1321, 1330
																					*1326
					29							36									*1331
						30		32				36									*1332
24												36									*1334
						30						36									*1335, 1380
												36									*1336
																					*1337
						30						36									*1340
						30															*1342
						30	31		33												*1343
	25						31		33												*1345
					29																*1346
																					*1347
																					*1348, 1358
						30						36									*1353
					29																*1354
																					*1357
				28		30						36									*1361
24																					*1364
								32				36									*1365
												36									*1366
																					*1367
														38							*1372
																					*1376
					29	30						36									*1377
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42			Well No.

115	120	190	220	230	135	200	80	100	175	205	250	130	175	205	155	250	245	225	Length of spec.
135	210	250			175			145											PCR product(s)
	250																		
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.
																			*1381
																			*1383
								32				36							*1385
						30													*1503, 1523
																			*1608
																			DRB1 allele ⁵
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.
	25																		DRB3*0216
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Well No.