

INTERPRETATION TABLE

DRB1*14 SSP subtyping

Amplification patterns of the DRB1*1401 to DRB1*1486 alleles

	Well ⁵																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Length of spec.	210	175	140	85	260	260	225	170	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75
PCR product(s)									250		215 170			130						110 110	215			115
Length of int. pos. control ¹	515	430	515	430	430	515	430	430	430	430	430	515	430	515	430	430	430	430	430	515	215	170	430	430
5'-primer(s) ²	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-AgA ³ 37(196)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-ggg ³ 13(125)	5'-CAA ³ 16(135)	5'-ACC ³ 11(118)	5'-gTT ³ 16(133)	5'-gTC ³ 13(125)	5'-Cag ³ 34(189)	5'-AgA ³ 37(196)	5'-AgA ³ 37(196)	5'-gAT ³ 57(258)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-gTT ³ 37(197)	5'-ACC ³ 11(118)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)	5'-gTC ³ 13(125)
								5'-gTT ³ 16(133)	5'-CTA ³ 57(256)	5'-ACA ³ 13(125)	5'-AGC ³ 60(265)			5'-AgA ³ 37(196)	5'-gTT ³ 37(197)					5'-gTT ³ 16(133)				
														5'-AgC ³ 60(265)						5'-ACA ³ 67(286)	5'-CAA ³ 34(189)			
3'-primer(s) ³	5'-TCC ³ 70(296)	5'-Cag ³ 57(257)	5'-CTg ³ 70(295)	5'-CTC ³ 28(171)	5'-CAC ³ 86(344)	5'-CCA ³ 86(344)	5'-Cag ³ 74(307)	5'-Cag ³ 57(257)	5'-CCA ³ 86(344)	5'-Cag ³ 57(257)	5'-CCT ³ 58(260)	5'-CCT ³ 74(308)	5'-gtg ³ 60(265)	5'-gAA ³ 67(286)	5'-Cag ³ 85(341)	5'-CAA ³ 78(321)	5'-CTT ³ 71(298)	5'-CTg ³ 28(171)	5'-CTC ³ 71(298)	5'-Cag ³ 57(257)	5'-gCT ³ 57(256)	5'-ggT ³ 47(227)	5'-ggA ³ 47(227)	5'-ACT ³ 25(161)
			5'-CTT ³ 71(298)								5'-CgC ³ 74(307)	5'-CCT ³ 74(308)					5'-ggC ³ 77(316)	5'-CTg ³ 28(171)	5'-Cag ³ 74(307)	5'-Cag ³ 74(307)	5'-CgC ³ 71(298)			5'-Cag ³ 38(199)
												5'-CCT ³ 74(308)												5'-CCg ³ 45(220)
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	24

Length of spec.	210	175	140	85	260	260	225	170	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75	
PCR product(s)									250		215	170			130					215	170			135	115
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	24	
DRB1 allele ⁴																									
*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												
*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				22		
*1426	1	2				6						12	13					18					22	24	
*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	24	
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	24	

Length of spec.	210	175	140	85	260	260	225	170	250	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75
PCR product(s)									250	130	175	85	225	115	60	185	105				215	170	145	145	75
											215	170	85								215	170	145	145	75
																					215	170	145	145	75
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	24	
*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		24	
*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			
*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			
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	24	

Length of spec.	210	175	140	85	260	260	225	170	250	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75			
PCR product(s)									250	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75			
											215	170	85								215	170	110	215	170	145	145	75
																					215	170	110	215	170	145	145	75
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	24				
*1475	1	2			6							12	13					18					22					
*1476								8												20								
*1477				4	5		7												19			22		24				
*1478				4	6	7			9											20	21	22						
*1479								8					13							20								
*1480			3		6													18				22						
*1481	1			4	6																	22						
*1482	1	2			6							12	13					18				22						
*1483			3	4	6																	22						
*1484					6	7			9									18	19			22						
*1485				4	5		7														21	22						
*1486	1	2			6							12	13					18				22						
*010201-010205															16													
*0114											11																	
*03010101, 03010102, 030103-030106, 0307, 031301, 0315, 0319, 0322, 0323, 0328, 0332-0334, 0336, 0337, 0339, 1320, 1371, 1378					6													18				23						
*030102, 031302					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, 1363, 1374, 1382					5													18				23						
*030503					5													18				23						
*0306, 0326					6													18				22						
*0308, 1140, 1159					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	24				

Length of spec.	210	175	140	85	260	260	225	170	250	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75
PCR product(s)									250			170			130						110	215			115
											215										170				135
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	24	
*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	24	
*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		
*0341, 130701, 130702, 1360					5													18				22			
*0342, 15030101, 15030102, 1523, 1532																									
*0343						6												18						23	24
*0410, 0411, 0467, 1512									9																
*0412									9												20				
*0418, 080101-080302, 080402, 080403, 0807, 0813, 0814, 0816, 0817, 0819, 0823, 0826, 0827, 0830, 0832-0834, 0836, 1521																					20				
*0462										10	11														
*0469										10															
*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			
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	24	

Length of spec.	210	175	140	85	260	260	225	170	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75
PCR product(s)									250		170			130						110	215			115
											215									170				135
																				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	24
*0815																				20				
*0820					6	7											18			20		22		
*0831, 120101-120302, 1206-1208, 1210-1213, 1217-1219, 1317											11													
*110101-110104, 110106, 110108, 110801, 110802, 111001-111202, 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							
*110201-110402, 110404, 110601, 1107, 1118, 1121, 1134- 1136, 1138, 1142- 1144, 1146, 1147, 1157, 1160, 1163, 116501, 116502, 1170						6												18					23	
*110403, 110602						6										16	18						23	
*1109, 112801, 112802					5									14				18						23
*111301, 111302	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
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	24

Length of spec.	210	175	140	85	260	260	225	170	250	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75		
PCR product(s)									250	130	175	85	225	115	60	185	105	220	85	145	60	170	145	145	75		
											215	170	85								215	170	110	215	170	145	135
																					215	170	110	215	170	145	135
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	24			
*1137					5													18					22				
*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			
*1158						6								14				18						23			
*1167											11									20							
*1169					5													18				21		23			
*1172					5																			23			
*1173					5													17	18					23			
*1204, 1209											11					16											
*1205, 1214, 1215											11				15												
*130101, 130102, 1306, 1327, 1328, 1351, 1359, 1369, 1379, 1387						6												18						23			
*130103						6										16		18						23			
*130201-130203, 1339, 1341, 1373					5													18						23			
*130301, 130302, 133301, 1388					5													17	18			21	22				
*1304, 1375						6			9									18				21		23			
*130501, 130502, 135001, 135002					5									14				18						23			
*1308						6												18	19				22				
*1309						6												18				21		23			
*1310			3			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		
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	24			

Length of spec.	210	175	140	85	260	260	225	170	250	130	175	85	225	115	60	185	105	220	85	145	60	170	170	145	145	75		
PCR product(s)									250	130	175	85	225	115	60	185	105	220	85	145	60	170	170	145	145	75		
											215	170	85								215	170	110	170			135	115
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	24	23	24		
*1332					6				9									18			21	22						
*1334					5													18					23	24				
*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	24				
*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				
*1381					6				9									17	18			21	22					
*1383					6													18	19					23				
*1385			3	4	5													17					22					
*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	24	23	24		
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	24	23	24		

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	PCR product(s)	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45						Well No.	
																									DRB1 allele ⁴		
	26							33																			*140101-140103
																											*1402
																											*140301, 140302
											34	35															*1404
																											*140501, 140502
																											*140503
					30																						*1406
25								33																			*140701, 140702
								33																			*1408
																											*1409
																											*1410
											34	35															*1411
					30																						*1412
							32																				*1413
																											*1414
												35															*1415
								33																			*1416
					30																						*1417
					30														39								*1418
							32																				*1419
																											*1420
					30		32																				*1421
25								33																			*1422
																											*142301, 142302
																											*1424
25								33																			*1425
								33																			*1426
																											*1427
											34	35															*1428
					30																						*1429
																											*1430
											34	35															*1431
								33																			*143201, 143202
					30														39								*1433
								33																			*1434
						31		33																			*1435
																											*1436
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45						Well No.	

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
																											PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						
																											*1437
			28					33					38														*1438
								33																			*1439
																											*1440
																											*1441
																											*1442
																											*1443
25																											*144401
25																											*144402
	26																										*1445
		27																									*1446
			28																								*1447
				29																							*1448
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										45		*1459
				29				33																			*1460
																											*1461
								33																			*1462
							32				36																*1463
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											36																*1467
25									34																		*1468
25								33																			*1469
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									34	35					40												*1471
						31																					*1472
										35																	*1473
								33																			*1474
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
																											PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						
								33								41											*1475
										35							42										*1476
																											*1477
					30		32				36																*1478
										35							42										*1479
					30																						*1480
					30																						*1481
								33										43									*1482
					30															44							*1483
																											*1484
							32																				*1485
								33																	45		*1486
25																											*010201-010205
																											*0114
					30																						*03010101, 03010102, 030103-030106, 0307, 031301, 0315, 0319, 0322, 0323, 0328, 0332-0334, 0336, 0337, 0339, 1320, 1371, 1378
			28		30																						*030102, 031302
			28																								*030201
																											*030202
					30																						*0303
																											*0304, 0321, 0325, 0330, 131101, 131102, 1322, 1324, 1344, 1352, 1368
			28																								*030501, 030502, 0309, 0314, 0340, 131401-131403, 1323, 1325, 1329, 1356, 1362, 1363, 1374, 1382
					30																						*030503
					30							37															*0306, 0326
																											*0308, 1140, 1159
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
																											PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						
					30	31		33										43									*0310
					30									39													*0311
					30		32																				*0312
					30																						*0316
			28																								*0317
					30																						*0318
					30																						*0320
			28		30																						*0324
			28																								*0327
																											*0329, 1386
																											*0331, 1370, 1384
25			28																								*0335
				29																							*0338
																											*0341, 130701, 130702, 1360
					30																						*0342, 15030101, 15030102, 1523, 1532
																											*0343
																											*0410, 0411, 0467, 1512
																											*0412
																											*0418, 080101-080302, 080402, 080403, 0807, 0813, 0814, 0816, 0817, 0819, 0823, 0826, 0827, 0830, 0832-0834, 0836, 1521
25																											*0462
25																											*0469
												35															*080401, 080404, 0828
																											*0805, 0818, 0824, 0825, 1216
												35															*0806, 0810, 0812, 0822
25																											*0808
																											*0809, 0821, 0835
																											*0811
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
																											PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						
25																											*0815
																											*0820
										35																	*0831, 120101-120302, 1206-1208, 1210-1213, 1217-1219, 1317
												37															*110101-110104, 110106, 110108, 110801, 110802, 111001-111202, 111401-1115, 111901, 111902, 1124, 1126, 112702, 1129, 1132, 1133, 1139, 1149, 1151, 1161, 1162, 1166, 1168
												37															*110105
												37															*110107
												37															*110201-110402, 110404, 110601, 1107, 1118, 1121, 1134- 1136, 1138, 1142- 1144, 1146, 1147, 1157, 1160, 1163, 116501, 116502, 1170
												37															*110403, 110602
												37															*1109, 112801, 112802
												37															*111301, 111302
					30						36	37															*1116
												37															*1117
											36	37															*1120
												37															*1123, 1145, 1164
												37															*1125, 1155
			28									37															*112701
						31						37															*1131
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
																											PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						
												37															*1137
												37															*1141, 1148, 1150, 1156
												37															*1152
												37															*1153
												37															*115401
												37															*115402
					30							37															*1158
											35																*1167
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												37															*1173
											35																*1204, 1209
											35																*1205, 1214, 1215
					30						36																*130101, 130102, 1306, 1327, 1328, 1351, 1359, 1369, 1379, 1387
					30						36																*130103
											36																*130201-130203, 1339, 1341, 1373
																											*130301, 130302, 133301, 1388
																											*1304, 1375
																											*130501, 130502, 135001, 135002
																											*1308
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					30		32				36																*1310
																											*1312, 1338, 1349
																											*1313, 1355
					30						36																*1315
											36																*1316
					30																						*1318
																											*1319
																											*1321, 1330
																											*1326
					29						36																*1331
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.						

250	210	120	250	190	220	230	175	135	200	80	145	100	175	205	250	130	175	205	155	250	245	225	140	220	125	Length of spec.	
																											PCR product(s)
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45						Well No.	
					30		32				36																*1332
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					30						36																*1335, 1380
											36																*1336
																											*1337
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					30																						*1342
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25						31		33																			*1345
				29																							*1346
																											*1347
																											*1348, 1358
					30						36																*1353
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																											*1357
			28		30						36																*1361
																											*1364
							32				36																*1365
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																											*1367
													38														*1372
																											*1376
				29	30						36																*1377
																											*1381
																											*1383
							32				36																*1385
																											*1608
DRB1 allele⁵																											
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45						Well No.	
25																											<i>DRB3*0216</i>
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45						Well No.	