INTERPRETATION TABLE

DQB1 high resolution SSP typing

Amplification patterns of the DQB1*02:01 to DQB1*06:40 alleles

	Well[5,6]																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Length of spec.	120	85	145	140	145	165	220	135	175	135	95	125	110	135	135	260	165	130	135	130	205	205	135	120	95
PCR product(s)					185				220		130		140	260			300	190							
																		220							
Length of int.	515	430	515	430	430	515	515	515	515	430	430	430	430	430	430	515	430	430	515	430	515	430	430	430	515
pos. control[1]																									
5'-primer(s)[2]	30(185)	57(266)	135(500)	102(400)	38(209)	45(230)	26(173)	26(173)	26(173)	26(173)	26(173)	38(210)	49(242)	14(136)	13(134)	13(134)	26(173)	27(175)	55(260)	57(266)	23(164)	23(164)	26(173)	30(184)	30(184)
	5'-AAg 3'	5'-TgA 3'	5'-TgA 3'	5'-TCT 3'	5'-CgC 3'	5'-ggA 3'	5'-TTA 3'	5'-TCT 3'	5'-TCT 3'	5'-TTA 3'	5'-ggg 3'	5'-gCA 3'	5'-ggT 3'	5'-gCC 3'	5'-ggC 3'	5'-ggC 3'	5'-TTA 3'	5'-TTC 3'	5'-gCC 3'	5'-TgA 3'	5'-gCT 3'	5'-gCg 3'	5'-ggg 3'	5'-gAC 3'	5'-gAC 3'
					136(502)				140(514)		38(208)		55(260)	135(500)			102(400)	38(209)							
					5'-ACg 3'				5'-CAA 3'		5'-ACA 3'		5'-gCA 3'	5'-TgA 3'			5'-TCT 3'	5'-CgT 3'							
													63(285)					140(514)							
													5'-Agg 3'					5'-CAA 3'							
3'-primer(s)[3]	57(266)	71(309)	170(604)	135(500)	86(353)	86(353)	86(353)	57(266)	86(353)	57(266)	55(260)	62(282)	86(353)	86(353)	45(230)	86(353)	67(296)	86(353)	86(353)	86(353)	77(327)	77(327)	57(266)	57(265)	47(237)
	5'-Cgg 3'	5'-CgT 3'	5'-gAC 3'	5'-ggC 3'	5'-ACg 3'	5'-gCT 3'	5'-gCT 3'	5'-Cgg 3'	5'-gCT 3'	5'-Cgg 3'	5'-gCg 3'	5'-CTA 3'	5'-gCT 3'	5'-gCT 3'	5'-CCC 3'	5'-gCT 3'	5'-ggT 3'	5'-gCT 3'	5'-gCT 3'	5'-gCT 3'	5'-ACg 3'	5'-ACg 3'	5'-CAA 3'	5'-gCT 3'	5'-CgA 3'
					170(604)				185(650)			70(304)		167(596)			189(661)	87(356)							
					5'-gAC 3'				5'-CgA 3'			5'-CCC 3'		5'-CAT 3'			5'-CCA 3'	5'-ggA 3'							
																		170(604)							
																		5'-gAT 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	24	25

Length of spec.	120	85	145	140	145	165	220	135	175	135	95	125	110	135	135	260	165	130	135	130	205	205	135	120	95
PCR product(s)					185				220		130		140	260			300	190							
																		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**	**25**
DQB1 allele[4]																									
*02:01:01-02:01:02	1		3					8	9																
*02:02	1			4				8	9																
*02:03		2		4					9											20					
*02:04	1		3		5			8	9																
*02:05	1		3					8	9																
*03:01:01-03:01:02, 03:01:04			3			6	7									16			19	20					
*03:01:03			3			6	7									16			19						
*03:02:01-03:02:04			3					8	9										19						
*03:03:02-03:03:03			3						9										19	20					
*03:04			3			6	7			10						16			19						
*03:05:01-03:05:04			3						9		11								19						
*03:06			3						9			12							19	20					
*03:07			3					8	9				13						19						
*03:08			3					8	9			12							19						
*03:09			3			6	7							14		16			19	20					
*03:10			3				7								15	16			19	20					
*03:11			3					8	9					14					19						
*03:12			3						9						15	16			19	20					
*03:13			3			6	7		?							16	17		19	20					
*03:14			3				7		?	10					15	16			19						
*03:15			3						9				13						19	20					
*03:16			3			6	7		?				13			16				20					
*03:17			3						?		11								19	20					
*03:18			3					8	9									18	19						
*03:19			3			6	7		9							16			19	20					
*03:20			3						9		11								19	20					
*03:21			3			6	7									16			19	20					
*03:22			3			6	7									16			19	20					
*03:23			3						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**	**24**	**25**
Length of spec.	120	85	145	140	145	165	220	135	175	135	95	125	110	135	135	260	165	130	135	130	205	205	135	120	95
PCR product(s)					185				220		130		140	260			300	190							
																		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**	**25**
***03:24**						**6**	**7**									**16**		**18**	**19**	**20**					
***03:25**			**3**						**9**			**12**													
***03:26**			**3**						**9**					**14**					**19**	**20**					
***04:01:01-04:01:02**			**3**						**9**												**21**				
***04:02**			**3**						**9**													**22**			
***04:03:01**			**3**						**9**													**22**			
***04:03:02**			**3**						**9**																
***04:04**			**3**						**9**													**22**			
***05:01:01-05:01:02**			**3**																				**23**		
***05:02:01**			**3**																					**24**	
***05:02:02**			**3**																					**24**	**25**
***05:03:01-05:03:02**			**3**																						**25**
***05:04**			**3**																						
***05:05**			**3**		**5**																			**24**	
***06:01:01-06:01:05**			**3**												**15**										
***06:02:01**			**3**																						
***06:02:02**			**3**									**12**													
***06:03:01**			**3**																						
***06:03:02**			**3**									**12**													
***06:04:01, 06:04:03**			**3**																						
***06:04:02**			**3**																						
***06:05:01**			**3**																						
***06:05:02**			**3**																						
***06:06**			**3**																						
***06:07**			**3**																						
***06:08:01**			**3**																						
***06:08:02**			**3**																						
***06:09**			**3**																						
***06:10**			**3**																						
***06:11:01**			**3**																						
***06:11:02**			**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**	**24**	**25**
Length of spec.	120	85	145	140	145	165	220	135	175	135	95	125	110	135	135	260	165	130	135	130	205	205	135	120	95
PCR product(s)					185				220		130		140	260			300	190							
																		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**	**25**

*06:12			3																						
*06:13			3																						
*06:14:01			3																						
*06:14:02			3																						
*06:15			3																						
*06:16			3																						
*06:17			3																						
*06:18			3																						
*06:19			3																						
*06:20			3																						
*06:21			3																						
*06:22			3																						
*06:23			3																						
*06:24			3																						
*06:25			3																						
*06:26N			3																						
*06:27			3																						
*06:28			3															w							
*06:29			3					8																	
*06:30			3																						
*06:31			3																						
*06:32			3																						
*06:33, 06:37[7]			3																						
*06:34			3														17								
*06:35			3																						
*06:36			3																						
*06:38																									
*06:39			3																						
*06:40			3																						
DQB1 allele[4]																									
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	25

INTERPRETATION TABLE

DQB1 high resolution SSP typing

Amplification patterns of the DQB1*02:01 to DQB1*06:40 alleles

Well[5,6]																							
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
115	210	185	130	160	170	210	170	130	165	210	180	100	180	105	185	135	110	160	130	160	155	Neg. Control	Length of spec.
				245					260			120		150	205	195	155			210			PCR product(s)
												185					185						
																	215						
																	250						
430	430	430	430	430	515	515	430	430	515	430	430	430	430	430	430	430	515	430	515	515	430		Length of int.
																							pos. control[1]
130(485)	30(184)	9(122)	27(177)	9(122)	27(177)	30(184)	27(177)	27(177)	14(136)	30(184)	27(177)	9(122)	9(122)	26(173)	26(173)	26(173)	11(129)	9(122)	57(266)	30(184)	9(122)		5'-primer(s)[2]
5'-CCg 3'	5'-gAT 3'	5'-gTT 3'	5'-gTA 3'	5'-gTA 3'	5'-gTA 3'	5'-gAC 3'	5'-gTA 3'	5'-gTA 3'	5'-gCC 3'	5'-gAT 3'	5'-gTA 3'	5'-gTT 3'	5'-gTT 3'	5'-ggg 3'	5'-TCT 3'	5'-TCT 3'	5'-TTA 3'	5'-gTT 3'	5'-TgA 3'	5'-gAC 3'	5'-gTT 3'		
	30(184)								45(230)		140(514)	30(184)		31(187)	130(485)		29(181)		154(558)				
	5'-gAT 3'								5'-ggA 3'		5'-CAA 3'	5'-gAT 3'		5'-ACg 3'	5'-CCA 3'		5'-CCT 3'		5'-ACT 3'				
														133(493)	133(494)		38(210)						
														5'-TTT 3'	5'-TCA 3'		5'-gTg 3'						
																	62(282)						
																	5'-AAg 3'						
154(558)	86(353)	57(266)	57(266)	48(240)	70(304)	86(353)	70(304)	57(266)	86(353)	86(353)	74(317)	27(177)	57(266)	48(240)	71(307)	57(265)	77(326)	48(240)	86(353)	70(304)	47(237)		3'-primer(s)[3]
5'-AAA 3'	5'-ACg 3'	5'-CAT 3'	5'-CAT 3'	5'-gCg 3'	5'-CCC 3'	5'-ACC 3'	5'-CCT 3'	5'-CAA 3'	5'-ACC 3'	5'-ACC 3'	5'-CCg 3'	5'-gTT 3'	5'-CAA 3'	5'-gCg 3'	5'-ggC 3'	5'-gCT 3'	5'-CCg 3'	5'-gCg 3'	5'-ACC 3'	5'-CCC 3'	5'-CgA 3'		
				77(327)					87(356)		185(650)	30(184)	60(274)	170(604)	185(650)	77(327)	86(353)		186(653)	86(353)			
				5'-ACg 3'					5'-ggA 3'		5'-Cgg 3'	5'-gTg 3'	5'-gTT 3'	5'-gAC 3'	5'-Cgg 3'	5'-ACg 3'	5'-ACg 3'		5'-CCg 3'	5'-ACg 3'			
												57(265)											
												5'-gCT 3'											

26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

115	210	185	130	160	170	210	170	130	165	210	180	100	180	105	185	135	110	160	130	160	155	Neg. Control	Length of spec.
				245					260			120		150	205	195	155			210			PCR product(s)
												185					185						
																	215						
																	250						
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
																							DQB1 allele[4]
																						Negative Control	*02:01:01-02:01:02
																							*02:02
																							*02:03
																							*02:04
																	43						*02:05
											37												*03:01:01-03:01:02, 03:01:04
											37												*03:01:03
																							*03:02:01-03:02:04
																							*03:03:02-03:03:03
											37												*03:04
																							*03:05:01-03:05:04
				30							?					42							*03:06
											?												*03:07
											?												*03:08
											37												*03:09
											37												*03:10
											?												*03:11
											?												*03:12
											?												*03:13
											?												*03:14
											?												*03:15
											?												*03:16
											?												*03:17
											?												*03:18
																							*03:19
											?												*03:20
											37			40									*03:21
											37				41								*03:22
				30							?												*03:23
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
115	210	185	130	160	170	210	170	130	165	210	180	100	180	105	185	135	110	160	130	160	155	Control	Length of spec.
				245					260			120		150	205	195	155			210			PCR product(s)
												185					185						

																	215					Neg	
																	250						
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
											37											Negative Control	*03:24
				30												42							*03:25
											?												*03:26
																					47		*04:01:01-04:01:02
																					47		*04:02
																42					47		*04:03:01
																42					47		*04:03:02
				30																			*04:04
																							*05:01:01-05:01:02
																							*05:02:01
																							*05:02:02
																							*05:03:01-05:03:02
												38											*05:04
																							*05:05
	27																						*06:01:01-06:01:05
26	27	28																44					*06:02:01
26	27	28																44					*06:02:02
26			29	30	31															46			*06:03:01
26			29	30	31															46			*06:03:02
						32	33	34															*06:04:01, 06:04:03
				30		32	33	34															*06:04:02
?							33	34	35	36													*06:05:01
?	?						33		?	?													*06:05:02
?	?						33	34	?	?	37												*06:06
?			29	30		32	33												45				*06:07
?				30	31			34												46			*06:08:01
?					31			34												46			*06:08:02
							33	34		36													*06:09
?	27											38				42		44					*06:10
?	27			30																			*06:11:01
?	27		29	30	31																		*06:11:02
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.
115	210	185	130	160	170	210	170	130	165	210	180	100	180	105	185	135	110	160	130	160	155	Neg. Control	Length of spec.
				245					260			120		150	205	195	155			210			PCR product(s)
												185					185						
																	215						
																	250						
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

					31			34		36													*06:12
?	27												39					44					*06:13
?		28	29		31							38						44		46			*06:14:01
?		28										38						44		46			*06:14:02
?		28								w								44	45				*06:15
?	27	28											39					44					*06:16
?						32		34							41								*06:17
?	27						33	34															*06:18
?	27	28																			47		*06:19
?	27	28							35									44					*06:20
?					31	32		34												46			*06:21
?										w			39										*06:22
?		28												40				44					*06:23
?	27	28													41			44					*06:24
?						32	33									42							*06:25
?			29	30	31												43						*06:26N
?							33	34												46			*06:27
?			29	30	31															46			*06:28
?	27																	44					*06:29
?			29	30											41					46			*06:30
?			29	30	31				35											46			*06:31
?			29	30			33													46			*06:32
?	27	28															43	44					*06:33, 06:37[7]
						32	33	34															*06:34
?	27								35														*06:35
						32	33	34											45				*06:36
						32	33	34							41								*06:38
26						32	33	34															*06:39
?			29	30	31									40						46			*06:40
																							DQB1 allele[4]
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	Well No.

Negative Control