

# INTERPRETATION TABLE

## DRB1\*04 SSP subtyping

Allele-specific amplification patterns of the DRB1\*04:01 to \*04:89 alleles

	Well <sup>4</sup>																							
	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.	215	215	225	225	170	115	260	260	215	170	175	180	170	210	215	150	190	145	140	100	155	230	120	85
PCR product(s)											220	265	225						210	175	205			
Length of int.	515	430	430	515	430	430	430	430	430	515	430	515	430	430	430	515	430	430	515	430	430	430	430	430
pos. control <sup>1</sup>																								
5'-primer(s) <sup>2</sup>	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACC <sup>3'</sup> 13(125)	5'-gTA <sup>3'</sup> 37(197)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-ACA <sup>3'</sup> 13(125)	5'-gAA <sup>3'</sup> 71(299)
3'-primer(s) <sup>3</sup>	5'-CTT <sup>3'</sup> 71(298)	5'-CTC <sup>3'</sup> 71(298)	5'-CCT <sup>3'</sup> 74(308)	5'-CCg <sup>3'</sup> 74(308)	5'-gCT <sup>3'</sup> 57(256)	5'-Cgg <sup>3'</sup> 37(197)	5'-CAC <sup>3'</sup> 86(344)	5'-CCA <sup>3'</sup> 86(344)	5'-TCT <sup>3'</sup> 71(298)	5'-ATC <sup>3'</sup> 57(256)	5'-CCT <sup>3'</sup> 58(260)	5'-CTg <sup>3'</sup> 59(262)	5'-AgC <sup>3'</sup> 56(253)	5'-gAT <sup>3'</sup> 67(286)	5'-CTT <sup>3'</sup> 71(298)	5'-CCT <sup>3'</sup> 74(308)	5'-gTT <sup>3'</sup> 60(265)	5'-ggA <sup>3'</sup> 47(227)	5'-TAG <sup>3'</sup> 46(225)	5'-gTT <sup>3'</sup> 33(184)	5'-CCA <sup>3'</sup> 51(239)	5'-CCT <sup>3'</sup> 72(302)	5'-AgT <sup>3'</sup> 39(203)	5'-CAC <sup>3'</sup> 86(344)
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.	215	215	225	225	170	115	260	260	215	170	175	180	170	210	215	150	190	145	140	100	155	230	120	85
PCR product(s)											220	265	225						210	175	205			
																				255				
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
*04:01:01-04:01:06	1			4			7			10														24
*04:02		2		4				8		10				14										
*04:03:01-04:03:05			3					8	9	10						16								
*04:04:01-04:04:04				4				8	9	10														
*04:04:05				4				8	w	10														
*04:05:01, 04:05:03-04:05:07, 04:05:09-04:05:10				4	5		7		9															
*04:05:02				4	5		7		9															
*04:05:08				4	5		7		w															
*04:06:01-04:06:03			3			6		8	9	10														
*04:07:01-04:07:04			3				7		9	10						16								
*04:08:01-04:08:02				4			7		9	10														
*04:09	1			4	5		7																	24
*04:10				4	5			8	9															
*04:11			3		5			8	9											16				
*04:12					5			8	w				13	14										
*04:13	1			4				8		10														
*04:14		2		4			7			10				14										
*04:15				4				8	9		11						17							
*04:16	1			4			7			10		12												24
*04:17:01-04:17:02			3		5		7		9							16								
*04:18								8	w	10			13	14										
*04:19				4		6	7		9	10														
*04:20			3			6	7		9	10														
*04:21	1			4		6	7			10														24
*04:22								8		10	11													
*04:23				4				8	9	10		12												
*04:24				4	5		7		9											19				
*04:25								8	w	10			13				17							
*04:26	1			4			7			w														24
*04:27			3					8	9	10						16					20			
*04:28				4	5		7		9								18							
*04:29				4	5		7		9												21			
*04:30				4	5		7		9															
*04:31							7		w	10			13											
*04:32				4				8	9	10												22		
*04:33	1			4			7			10													23	24
*04:34														15										24
*04:35	1			4			7			10							18							24
*04:36				4				8	9	10							17							
*04:37		2		4				8		10												21		
*04:38	1			4			7			10			14								21			w
*04:39			3					8	9	10						16			19					
*04:40				4				8	9	10											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.	215	215	225	225	170	115	260	260	215	170	175	180	170	210	215	150	190	145	140	100	155	230	120	85	
PCR product(s)											220	265	225						210	175	205				
																				255					
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	
*04:41			3					8	9	10															
*04:42				4				8	9	10								18							
*04:43				4			7		9	10								18							
*04:44				w				8	9	10															
*04:45				4	5		7		9																
*04:46			3			6		8	9	10			13												
*04:47				4			7		w	10							17								
*04:48				4	5		7		9				14												
*04:49			3			6		8	9	10															
*04:50			3					8	9	10						w						22			
*04:51			3					8	9	10						16									
*04:52			3					8	9	10		12				16									
*04:53				4				8	w	10			14												
*04:54							7		w	10			13				17								
*04:55								8	w	10			13												
*04:56				4				8	9	10				14								21			
*04:57				4	5		7		9								17								
*04:58								8	w	10			13									21			
*04:59			3					8	9	10						16		18							
*04:60			3					8	9	10						16									
*04:61				4			7		9		11														
*04:62	1			4			7																	24	
*04:63	1			4			7			10										20				24	
*04:64																								24	
*04:65			3			6		8		10															
*04:66																								24	
*04:67	1			4	5			8																	
*04:68				4		6		8	9	10															
*04:69			3				7		9							16		19							
*04:70				4				8	9	10															
*04:71			3					8	9	10						16									
*04:72:01	1			4			7			10														24	
*04:72:02	1						7			10														24	
*04:73				4				8		10			w									21			
*04:74							7		9	10															
*04:75				4			7			10															
*04:76	1			4			7			10														24	
*04:77				4	5		7		9																
*04:78			3			6		8	9	10										19					
*04:79				4				8	9	10															
*04:80				4	5		7		9																
*04:81N				4	5		7		9																
*04:82				4			7		w				14												
*04:83				4	5		7		9																
*04:84				4	5	6	7		9																
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.	215	215	225	225	170	115	260	260	215	170	175	180	170	210	215	150	190	145	140	100	155	230	120	85
PCR product(s)											220	265	225						210	175	205			
																				255				
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
*04:85			3			6		8	9	10														
*04:86					5		7		w				13	14										
*04:87				4	5		7		9															
*04:88			3					8	9	10				14		16						21		
*04:89				4	5		7		9															
*01:03, 11:11:01- 11:11:02, 11:14:01- 11:14:02, 11:20, 11:68, 11:73, 11:93, 13:02:01-13:02:03, 13:23:01, 13:29, 13:31, 13:34, 13:36- 13:37, 13:39, 13:41, 13:45, 13:63, 13:67, 13:73-13:74, 13:85, 13:90, 13:96-13:97																								
*01:10, 01:16, 03:02:01-03:02:02, 03:05:01-03:05:03, 03:09, 03:14, 03:17, 03:27, 03:29, 03:35, 03:38, 03:40-03:41, 11:79, 14:19, <i>DRB3*01:01:02:01- 01:14,</i> <i>DRB3*02:02:01:01- 02:03, DRB3*02:05- 02:10, DRB3*02:12- 02:13, DRB3*02:15- 02:16, DRB3*02:18- 02:23, DRB3*02:25,</i> <i>DRB3*02:02</i>																								24
*01:17, 09:01:02- 09:01:05, 09:02:01- 09:02:02, 09:04- 09:05, 09:07-09:08, 14:07:01-14:07:02, 14:14, 14:36, 14:44:01-14:44:02, 14:51, 14:68, 14:93, <i>DRB5*01:12</i>																								
*03:12, 08:06, 08:10, 08:12, 08:22, 13:58, 14:65, 14:78, 15:12																								
*08:29																w								
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.	215	215	225	225	170	115	260	260	215	170	175	180	170	210	215	150	190	145	140	100	155	230	120	85

PCR product(s)											220	265	225						210	175	205				
																				255					
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	
*08:40, 13:03:01-13:03:05, 13:33:01-13:33:03, 13:38, 13:65-13:66:02,																									
*11:22				4			7		9		11						17	18							
*11:53																w								w	
*11:54:01-11:54:02, 11:89, 14:58																w									
*13:04, 13:32, 13:48, 13:75, 13:81, 13:89, 13:93-13:94																									
*14:10			3					8	9										19						
*14:42																w									
*14:57		2		4				8					14												
<i>DRB3*02:11</i> , <i>DRB3*02:17</i>																								w	
DRB1 allele																									
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	



125	200	120	90	75	80	85	115	215	260	210	240	235	140	100	145	160	110	130	245	235	Length of spec.			
230		265		260		260				245			215	175			140					PCR product(s)		
260																								
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.			
	26						32																*04:01:01-04:01:06	
							32																*04:02	
	26						32																*04:03:01-04:03:05	
	26						32																*04:04:01-04:04:04	
	26						32																*04:04:05	
	26						32																*04:05:01, 04:05:03-04:05:07, 04:05:09-04:05:10	
	26																						*04:05:02	
	26						32																*04:05:08	
	26																						*04:06:01-04:06:03	
	26			29			32																*04:07:01-04:07:04	
	26						32																*04:08:01-04:08:02	
	26				30		32																*04:09	
	26	27					32																*04:10	
	26	27	28				32																*04:11	
		27					32																*04:12	
	26						32																*04:13	
						31	32																*04:14	
							32																*04:15	
	26						32																*04:16	
	26		28	29			32																*04:17:01-04:17:02	
							32																*04:18	
	26																						*04:19	
	26			29																			*04:20	
	26																						*04:21	
	26						32					37											*04:22	
	26						32																*04:23	
	26						32																*04:24	
							32																*04:25	
25	26						32																*04:26	
	26						32																*04:27	
	26						32																*04:28	
	26						32																*04:29	
	26						32								40								*04:30	
	26						32																*04:31	
	26						32																*04:32	
	26						32																*04:33	
																							*04:34	
	26						32																*04:35	
							32																*04:36	
							32																*04:37	
							32																*04:38	
	26						32																*04:39	
	26						32																*04:40	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.			

125	200	120	90	75	80	85	115	215	260	210	240	235	140	100	145	160	110	130	245	235	Length of spec. PCR product(s)	
230		265		260		260				245			215	175			140					
260																						
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.	
	26						32										42					*04:41
	26						32															*04:42
	26						32															*04:43
	26						32														45	*04:44
25	26						32															*04:45
	26																					*04:46
							32															*04:47
	26						32															*04:48
	26	27																				*04:49
	26						32															*04:50
	26						32			35												*04:51
	26						32															*04:52
							32															*04:53
							32															*04:54
	26						32															*04:55
							32															*04:56
	26						32															*04:57
							32															*04:58
	26						32															*04:59
	26	27					32															*04:60
	26						32															*04:61
	26						32							39								*04:62
	26						32															*04:63
25				29		31																*04:64
	26							33														*04:65
									34													*04:66
	26	27			30		32															*04:67
	26																					*04:68
	26			29			32								39							*04:69
	26						32			35												*04:70
	26						32				36											*04:71
	26						32					37										*04:72:01
	26						32														45	*04:72:02
							32						38									*04:73
	26			29			32														45	*04:74
	26						32						38									*04:75
	26						32									41						*04:76
	26						32										42					*04:77
	26																					*04:78
	26						32										42					*04:79
							32											43				*04:80
							32			35												*04:81N
							32															*04:82
	26						32							39								*04:83
	26																					*04:84
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.	



125	200	120	90	75	80	85	115	215	260	210	240	235	140	100	145	160	110	130	245	235	Length of spec.	
230		265		260		260				245			215	175			140					PCR product(s)
260																						
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.	
	26														40							*04:85
							32															*04:86
	26						32												44			*04:87
							32															*04:88
	26						32						38									*04:89
						31																*01:03, 11:11:01-11:11:02, 11:14:01-11:14:02, 11:20, 11:68, 11:73, 11:93, 13:02:01-13:02:03, 13:23:01, 13:29, 13:31, 13:34, 13:36-13:37, 13:39, 13:41, 13:45, 13:63, 13:67, 13:73-13:74, 13:85, 13:90, 13:96-13:97
																						*01:10, 01:16, 03:02:01-03:02:02, 03:05:01-03:05:03, 03:09, 03:14, 03:17, 03:27, 03:29, 03:35, 03:38, 03:40-03:41, 11:79, 14:19, DRB3*01:01:02:01-01:14, DRB3*02:02:01:01-02:03, DRB3*02:05-02:10, DRB3*02:12-02:13, DRB3*02:15-02:16, DRB3*02:18-02:23, DRB3*02:25, DRB3*02:02
						29																*01:17, 09:01:02-09:01:05, 09:02:01-09:02:02, 09:04-09:05, 09:07-09:08, 14:07:01-14:07:02, 14:14, 14:36, 14:44:01-14:44:02, 14:51, 14:68, 14:93, DRB5*01:12
		27																				*03:12, 08:06, 08:10, 08:12, 08:22, 13:58, 14:65, 14:78, 15:12
			28																			*08:29
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	Well No.	
125	200	120	90	75	80	85	115	215	260	210	240	235	140	100	145	160	110	130	245	235	Length of spec.	

230		265		260	260					245			215	175			140								<b>PCR product(s)</b>
260																									
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>Well No.</b>				
					30	31																			<i>*08:40, 13:03:01-13:03:05, 13:33:01-13:33:03, 13:38, 13:65-13:66:02,</i>
							32																		<i>*11:22</i>
																			43						<i>*11:53</i>
																									<i>*11:54:01-11:54:02, 11:89, 14:58</i>
		27			30																				<i>*13:04, 13:32, 13:48, 13:75, 13:81, 13:89, 13:93-13:94</i>
	26														39										<i>*14:10</i>
				29																					<i>*14:42</i>
															39										<i>*14:57</i>
																									<i>DRB3*02:11, DRB3*02:17</i>
																									<i>DRB1 allele</i>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>Well No.</b>				