

Positive reactions	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Spezifität / Specificity	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Product size (bp) / Produktgröße (bp)		850	890 755 330 595 190 565	225 525 560	196	520 555 175 210	405 415 405	175	125	600 570	200	105 200 210	175	650	445	425	175	190	390	160	500					
Contamination Control / Kontaminationskontrolle																										
*01:01:01:01:01:55,01:57-04N,06-12,14-16N,18N-33,35-68,70-71,73-94,96-101,103-138	A1, Null, -	1																								24
*01:01:56	-	1						8																		
*01:13,17	A1	1		3																						
*01:95	-	1												13												
*02:01:01:01:01:15,01:17-01:19,01:21-01:81,01:83-22:02,24:01-33,36-49,51-55,57-61,63-72,74:01-77,79:01-97:02,99,101:01-102,104-121,123-134,136-155,157-242,244,246-308,310-333,335-337,339-414,416-436,438	A2, Low A2, -, A203/A2, A210/A2, Null, A2/blank, A2/A28, A2/A19		2																							
*02:34-35:03,56:01-56:02,62,103	A2		2	3																						21
*02:50,73,122,156,245,334,338	A2, -		2																							20
*02:78	-		2																							21
*02:135	-		2						8	9																
*02:243	-		2												14											
*02:309	-		2						8							15										
*03:01:01:01:01:18,01:20-01:38,01:40-07,09-11N,13-29,31,33-35,37-40,42-71,73-87,90-106,109-142w,143-151,153-170,173-174 / 30:55	A3, Null, -, A3/blank			3																						
*03:01:19 / 34:08	-, A34			3												15			18							
*03:30	A3			3			6																			
*11:01:01:01:48,01:50-16,20-27,29-34,36-39,41-42,44-49,51-52Q,54-56,58-97,99N-105,107-120,122-138,140-150	A11, -, Null				4																					
*11:43	-				4									12												
*11:57 / 68:61	-				4																					20
*11:139	-				4		6																			
*23:01:01-08N,10-13,15-27,29-33,35-45,47-56 / 24:24 / B*18:27	A23, -, Null, A9					5																				
*23:09,28	A23, -					5									13											
*23:14:01-14:02	A23, -					5	6																			
*23:46	-					5							11													
*24:02:01:01-11N,13:01-15,17-23,25-64,67-76,78-81,83N-93,95-137,139-187,189-190,192-210,212-227,229-240N,242,244-246 / 03:152 / C*04:14,68	-, A24, Low A24, A2403/A24, A9, Null, A24/A3, A24/A9, Cw4						6																			
*24:66	A24						6						11													
*24:77,191	A24, -						6								13											
*24:82	-						6							12												
*24:243	-						6																			
*25:01:01,01:02w-01:07,03-04,07-10,12N-17,19-23	A25, -, Null	1						7		9																
*25:02	A25				4			7		9										18						
*25:05	A25							7		9											w					
*25:06	A25							7		9						15										
*25:11	-							7	8	9																
*25:18	-							7																		
*26:01:01,01:02w-01:20,01:22-01:29,03:01-03:02,05,07:01-08,10-12,14-18,20-28,30-32,35-43:02,45-48,50-53,55-60Nw,61-72,74,75w-77,79-90,92-94	A26, -, A10, Null								8	9																
*26:01:21,02,04,06,29,34,49,73,78	-, A26								8																	
*26:09,91	A26, -								8							15										
*26:13,19,33w	A26				4				8	9										18						
*26:54	-								8	9											w					
*29:01:01:01-06,08N-13,15-17,20-36,38,40-47,50,52-55	A29, Null, -										10															
*29:07,49	A29, -					5					10															
*29:14,18	-										10			12												
*29:19,39	-										10															22
*29:48	-										10				14											22
*29:51	-										10															20
*30:01:01-02:09,02:11-04:02,06-20,22-25,27N-54,56-78N	A30, -, Null															11										
*30:02:10	-									8						11										
*31:01:02-02,05-06,08-09,11-20,22-28,30-34,36-74,76-77	A31, -, A31/A24, Null																									
*31:03-04	A31																									
*31:07,10	A31																									
*31:29	-					5																				
*31:35	-																									
*32:01:01-14,16,18-38,40-41,43-58 / B*15:95	A32, -, A32/A3, Null, B63																									
*32:17	-				3																					
*32:42	-																									
*33:01:01-01:07,03:01-18:02,20,22-37,39-50,52,54-69w,70-71	A33, -																									
*33:19	-						6																			
*33:21,53	-																									
*34:01:01-06,09-10N	A34, -, A10, Null																									
*34:07	A34																									
*34:11	-																									
*36:01-05	A36, -																									
*43:01	A43								8	9																
*68:01,04,06-10w,11-14,17-19	A66, -					4				9																
*66:02,16	A66, -																									
*66:03	A10																									
*66:05,15	A26, -																									
*68:01:01:01-28,30-44w,45-47,51-59w,60,62-70,72-82,84-102	A68, -, Null, A28																									
*68:29	A68																									
*68:71 / 03:171	-				3																					
*69:01-02	A69, -																									
*74:01-12N,14N-17	A74, -, Null																									
*74:13 / 03:01:39	-																									
*80:01:01:01-02	A80, -																									
Sero.	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	

Mix #	5' Primer	3' Primer	Größe/Size [bp]	Spezifität / Specificity
1	203 GAA	570 CCG	650	A*01:01:01:01, 01:01:02N,01:02-04N,06-11N,12-15N,16N,17,18N-22N,23-27N,28-31N,32,33,35-52N,53N-56N,57N-68,70,71,73-87N,88-101,103-123N,124-138 / *24:243
2	48 GCT 78 TCT 106 CCA	256 CCC 391 CCA	190 / 220 / 380 / 595	A*02:01:01:01,01:01:02L,01:01:03-01:15,01:17-01:19,01:21-01:81,01:83-01:95,02-15N,16-22:02, 24:01-32N,33-43N,44-49, 50,51-53N,54-82N,83N-87,88N-93,94N-97:02,99,101:01-113N,114-125N,126-225N,226N,227N-250N,251-284N,285-293Q,294-301N,302-305N,306-314N,315-321N,322-350N,351-356N,357-366N,367-373N,374-395N,396-414,416-436,438
3	98 CTT	282 GAC	225	A*03:01:01:01, 01:01:02N, 01:01:03, 01:02-03N,04:01-07,09-11N,13-21N,22:01-31,33-35, 37-40,42-71,73-87,90,91N-106,109-129N,130-142w,143-151,153-161N,162N-168N,169-171,173,174 / *01:13,17 / *02:34,35:01-35:03,56:01,56:02,62,103 / *30:55 / *32:17 / *34:08 / *68:71 / *74:13
4	282 CAG	527 CCG 559 CCG	525 / 560 525 560	A*11:01:01-01:12,01:14-01:20,01:22-02:04,05-07,09-13,15:01,15:02,16,21N-24:02,26,29, 30,32-34,36,37,41-49,51-59,61-69N,70-78N,79-89,91-93,95-97,99N-105,107-109N,110-115N,116-120,122-127N,128,129,131-137N,138-150 A*11:01:21,04,27,38,39,90,94,130 A*11:01:13,03,08,14,20,25,31,60 / *25:02 / *26:13,19,33 / *66:01,04,06-14,17-19 / *68:61
5	368 GTT	524 CAC	195	A*23:01:01-07N,08N,09-11N,12-18,19Q-33,35-38N,39-56 / *24:24 / *29:07,49 / *31:29 / B*18:27
6	265 CAG 368 GTT	502 CTT 539 TCT	175 / 210 / 520 / 555 210 520	A*24:02:01:01,02:01:02L,02:01:03,02:02-02:16,02:18-07,09N-10:02,11N,13:01,13:02,17-23,25-28,30-36N,37-40N,41,43-45N,46-48N,49,50,52,54-56,58-60N,61-63,66,68-83N, 84N-86N,87,88,90N,91,93,95-132N,133-137,139-155N,156-158N,159-163N,164-183N, 184,185N-187,189-210,212-222N,223-227,229-232N,233-240N,242-246 / *11:139 / *23:14:01,14:02 A*24:14,15,51,57,64,92 / *03:30,152 A*24:02:17,08,29,42,53,67,89 / 33:19 / C*04:14 ,68
7	302 GAG	423 TAA	400	A*25:01:01, 01:02w-01:07,02-12N,13-23
8	292 CTC 302 GAA	423 TAA	410 400	A*26:03:01,03:02,06,21,30,36,78,92 / *02:135,309 / *25:11 A*26:01:01,01:02w,01:03-02,04,05,07:01-11N,12-20,22-25N,26-29,31,32,33w-35,37-43:02,45-60N,61-71N,72-77,79-91,93,94 / *01:01:56 / *43:01 / A*30:02:10
9	423 GCT	559 CCG	175	A*26:01:01-01:20,01:22-01:29,03:01,03:02,05,07:01-08,10,11N-24,25N-28,30-33,35-48, 50-60N,61-71N,72,74,75w-77,79-90,92-94 / *25:01:01-05,07-12N,13-17,19-23 / *43:01 / *66:01,04-10w,11-15,17-19 / 02:135
10	98 CAC	180 TCA	125	A*29:01:01:01,01:01:02N,01:02-01:04,02:01:01-08N,09-36,38-55 / 32:42
11	126 GGA 98 CTC	414 TGT	570 / 595 570 595	A*30:01:01-04:02,06,07,09-11:02,13,14L,15-17,19,20,22-25,27N-54,56-59N,60-70N,71-73N,74-76N,77,78N A*30:08 A*30:12,18 / *23:46 / *24:66
12	98 CAC	256 CTC 256 CTG	200	A*31:01:02-01:18,02,03-06,07,08,09-14N,15-20,22-60N,61-74,76,77 / *11:43 / *24:82 / *29:14,18 / *32:42 / *33:21,53
13	257 GCA	319 GCG	105	A*32:01:01-11Q,12-14,16-27N,28-38,40-45N,46-48N,49-56N,57,58 / *01:95 / *23:09,28 / *24:77,191 / *31:07,10 / B*15:95
14	98 CAC	259 GTT 256 CCC 265 CCC	200 210	A*33:01:01-01:07,03:01-20,22-50,52,54-69w,70,71 / *29:48 / *02:243 / *68:29 A*33:21,53
15	423 GCT	559 CGT	175	A*34:01:01:01,01:02,02:01-04,05,06,07-10N / *02:309 / *03:01:19 / *31:03,04 / *25:06,91 / *26:09
16	203 GAA	570 CAC	650	A*36:01-05 / *31:35
17	259 AGC	423 TAA	445	A*43:01 (sometimes weak / manchmal schwach)
18	282 CAG	423 TAA	420	A*66:01,02,04,06-13,14,16-19 / 03:01:19 / *25:02 / *26:13,19,33 / *34:01:01-06,08-10N,11
19	423 GCT	559 CTC	175	A*66:02,03,16
20	355 CCA	506 TGT	190	A*68:01:01-01-11N,12-18N,19-43,44w-47,51-59Nw,60-82,84-94N,95-102 / *02:50,73,122,156,245,334,338 / *03:171 / *11:57 / *25:05w / *26:54w / 29:51
21	282 CAG	391 CCA	390	A*69:01,02 / *02:34,35:01-35:03,56:01,56:02,62,78,103
22	180 TTT	299 CCA 341 CGT	160 200	A*74:01-09,11,12N,13,14N-17 / *03:01:39 / *29:19,39,48 A*74:10
23	341 GGA	559 CTC	500	A*80:01:01-01-02
24				Kontaminations Kontrolle / Contamination Control

w = schwache Reaktion / weak reaction

* Das Codon am 3' Ende des Primers. Die Nummer gibt die Nukleotidposition an. /

The codon at the 3' end of the primer. The number given is the nucleotide position.

• kursiv gedruckte Allele: Die positiven Reaktionen konnten nicht experimentell überprüft werden. / Alleles in italics: positive reactions were not verified experimentally.

• Die folgenden Allele werden nicht erkannt: / The following alleles cannot be detected:

A*01:69,72,102 / *03:08,12,32,36N,41,72,88,89,107,108,172 / *11:17-19,35,40,50Q,98,106,121 / *23:43,57-60 / *24:94,138,188,228 / *29:37 / *30:26 / *31:21,75 / *32:15,39 / *33:51 / *68:48-50,83 / *80:03