

Mix #	5' Primer *	3' Primer *	Größe/Size [bp]	Spezifität / Specificity
1	203 GAA	570 CCG	650	A*01:01:01:01, 01:01:02N,01:02-01:66w,01:67-04N,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,124-147Q,148-160N,161,162N-167w,168-170 / *24:243
2	48 GCT 78 TCT 106 CCA	256 CCC 391 CCA	190 / 220 / 380 / 565 / 595 / 755	A*02:01:01:01,01:01:02L,01:01:03-01:15,01:17-01:19,01:21-01:81,01:83-01:115,02:01-15N,16-22:02,24:01-32N,33-43N,44-49,50,51-53N,54-82N,83N-87,88N-93,94N-97:02,99,101:01-113:02N,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,396-438,439N-468:02N,469-476N,477-490N,491-500Q,501N-506N,507-514N,515,516N,517-525N,526-540N,541-555
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,169-171,173-175,177,178N-192N,193-197N,199,200Q-204,206-209 / *01:13,17 / *02:34,35:01-35:03,56:01,56:02,62,103 / *11:199 / *30:55 / *32:17 / *34:08 / *68:71 / *74:13
4	282 CAG	527 CCG 559 CCG	525 / 560 525 560	A*11:01:01:01-01:12,01:14-01:20,01:22-02:06,05-07,09-13,15:01,15:02,16,21N-24:02,26,29, 30,32-34,36,37,41-49,51-59,61-69N,70-78N,79-89,91:01-93,95-97,99N-105,107-109N,110-115N,116-120,122-127N,128,129,131-137N,138-156,158-170Q,171-174,176,177,179,180N-182Q,184-190,192-208N,210N A*11:01:21,04,27,38,39,90,94,130,157 A*11:01:13,03,08,14,20,25,31,60,175,183,191,211 / *25:02 / *26:13,19,33 / *29:67 / *66:01,04,06-14,17-20 / *68:61
5	368 GTT	524 CAC	195	A*23:01:01-07N,08N,09-11N,12-18,19Q-33,35-38N,39-56,58-65,67-69 / *24:24 / *29:07,49 / *31:29 / B*18:27 / C*04:34
6	265 CAG 368 GTT	502 CTT 539 TCT	175 / 210 / 520 / 555 210 520	A*24:02:01:01,02:01:02L,02:01:03,02:02-02:16,02:18-07:02,09N-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,241-252N,253-278N,279-294Q / *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	405	A*25:01:01, 01:02w-01:08,02-12N,13-30 / B*40:06:09
8	292 CTC 302 GAA	423 TAA	415 405	A*26:03:01,03:02,06,21,30,36,78,92 / *02:135,309,454 / *25:11 A*26:01:01,01:02w,01:03-02:02,04,05,07:01-11N,12-20,22-25N,26-29,31,32,33w-35,37-43:02,45-60N,61-71N,72-77,79-91,93-107N,108,109 / *01:01:56 / *43:01 / A*30:02:10
9	423 GCT	559 CCG	175	A*26:01:01-01:20,01:22-03:02,05-08,10,11N-24,25N-28,30-33,35-48, 50-60N,61-71N,72,74,75w-77,79-90,92-102,104-107N,108,109 / *25:01:01-05,07-12N,13-17,19-30 / *43:01 / *66:01,04-07w,08,09,11-15,17-20 / 02:135
10	98 CAC	180 TCA	125	A*29:01:01:01,01:01:02N,01:02-01:06,02:01:01-08N,09-36,38-55,57-76 / 32:42
11	126 GGA 98 CTC	414 TGT	570 / 600 570 600	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,80-93 A*30:08,79 A*30:12,18 / *23:46 / *24:66
12	98 CAC	256 CTC 256 CTG	200	A*31:01:02:01-01:24,02,03-06,07,08,09-14N,15-20,22-60N,61-74,76-89 / *01:143 / *03:205 / *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,57-60w,61-69 / *01:95 / 11:178,190 / *23:09,28 / *24:77,191 / *31:07,10 / B*15:95
14	98 CAC	259 GTT 256 CCC 265 CCC	200 210	A*33:01:01-01:07,03:01-20,22-37,39-50,52,54-69w,70-73N,74N-80N,81-91,93-95 / *29:48 / *02:243:01,243:02 / *68:29 A*33:21,53
15	423 GCT	559 CGT	188	A*34:01:01,01:02,02:01-04,05,06,07-10N,12 / *02:309,454 / *03:01:19 / *31:03,04 / *25:06 / *26:09,91 (sometimes weak unspecific band at about 70 bp / manchmal schwache unspezifische Bande bei ca. 70 bp)
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	425	A*66:01:01-02,04,06-13,14,16-21 / 03:01:19 / *25:02 / *26:13,19,33 / *34:01:01-10N,11,12 (sometimes weak unspecific band at about 70 bp / manchmal schwache unspezifische Bande bei ca. 70 bp)
19	423 GCT	559 CTC	175	A*66:02,03,16,21
20	355 CCA	506 TGT	190	A*68:01:01:01-11N,12-18N,19-47,49Nw,51-59Nw,60-82,84-94N,95-104,106-120N,121-127 / *02:50,73,122,156,245,334,338 / *03:171 / *11:57,158 / *25:05w / *26:54w / 29:51,69,73
21	282 CAG	391 CCA	390	A*69:01-03 / *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-23 / *03:01:39 / *29:19,39,48 / *68:01:28 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*01:69:01,69:02,,72,102 / *03:08,12,32,36N,41,72,88,89,107,108,172,176,198 / *11:17-19,35,40,50Q,98,106,121,209 / *29:37,56 / *30:26 / *31:21,75 / *32:15,39 / *33:51,92 / *68:48,50,83,105 / *80:03