



Mix #	5' Primer*	3' Primer*	Größe/ Size [bp]	Spezifität / Specificity
1	87 GAA	302 GGC	255	C*01:02:01-02:28w,02:29-13,15-37N,38-56N,57,58,60,62-66,68,69N-86N,87-89N,90-98N,99-107 / *07:316,338 / <b>B*39:76 / *46:60 / *54:18</b>
2	116 CCA	289 AGT	210	C*02:02:01-02:03,02:05-02:25,02:27-02:30,03-12w,13-21w,22-25Q,27:01-38N,39-40:02,42-49w,50-52N,53-55w,56-67Q,68-86,88-92N,93-95 / *04:03:01w,06w / *15:11 / *16:34
3	310 AAA	559 CTC	540	C*02:02:01-02:03,02:05-02:30,03-25Q,26:01-26:03,28-38N,39-40:02,42,44-52N,53-57,59-64,66, 67Q,68-86,88-92N,93-95 / *04:32,77 / 05:105 / *06:08 / *15:42 / *17:01:01:01-11,02-06,08-16,18-21,24-27N,28 / *18:03
4	341 CCG 353 TCC	589 CTT	535  535 + 275 275	C*03:04:01:01-04:14,04:16-04:37,04:39-10,14,17,19,23-29,34,35,37:01-38:02,40:01-04:04,42,44,46-48,51, 54,57, 63-65,70-74,77,78,80,82, 87:01,87:02,90-93,98,100,101,104-107,109,111,114,115,117,118,123, 125,128-131,134,135,137,138,140,143,145,147-149,153-157,159, 162-164,166,170,172-174,178-181, 183,184,186:01,186:02,191,193,198,208N-213,215,218,219,232-236,239,240,244Q,246,247,249,250, 252,255-257,259,261,263,265N,266,269,270,277N / *01:65 / *05:86 / <b>A*03:146 / *68:118 / B*08:115 / *15:96,331 / *27:118 / *56:37</b> C*03:02:01-02:13,04:15,33,36,84,89,95,108,110,121N,139,146,169Q,190,194,197,199-201N,216,221, 222,224N-226,238,245,248,258,264 C*03:15,60,132,177
5	103 GCT	353 TGA	540	C*03:03:01-03:03,03:05-03:20,03:22-04:01:02,04:03-04:05,04:07-04:25,04:27-04:46,06:01-12,14,18-02:20N,21,22Q, 23,24,26,28-32,34,37:01-38:02,40:01-57,59,61-70,72-83,85,87:01-88,90-93,96,98,100-107,109,111-120, 122-131,133,134,136,138,140-143w,145,147-156w,157-165,168,170-176,179-181,183-189N,191-193,195w,196,202-208N,209w-215,217-220,223,227-229N,230,232-237,239-244Q,246,247,250-257,259-263,265N,266,268-270,272-277N / *02:62 / *04:80 / *15:02:01:01-05:09w,05:10-09,10:02-13,15-19,21,24-32Q,33-35,38-41w,42-54,56,57,59-61w,62,64,66-71,73-84Q,85-92Nw,93-95N,96Q-101,103-105Q,106
6	417 GTA	589 CTT	210	C*03:03:01-04:07w,04:08-11:02,13:01,13:02,17-18:02,20N,21,22Q-25,27-32,34,35,37:01-39,44-57,59,61-70,72-80w,81-83,85,87:01-88,90-93,96-98,100,101,103-107,109,111,112,114-118,120,122-131,133-138,140-145,147-150,152-165w,166-168,170-174,176-189N,191-193,195,196,202-208N,209-215,217-220,223,227-229N,230-237,239,241-244Q,246,247,249,252-257,259,261-263,265N,266,268-270,272-277N / *01:65
7	341 CCA	589 CTT	535	C*03:03:01-03:28,11:01,11:02,13:01,13:02,18:01,18:02,20N,21,22Q,30,31,39,43:01,43:02,49,50,52,53,55,56,59,61, 62,66-69,75,76,79,81, 83,85,88,96,97,102,103,112,116:01,116:02,119,120,122,124,126,127, 132,133,141,142,144,150,152,158,160,161,165,167,168,171,175-177,182,185,187-189N,192,195,196,202-207,214,217,220,223,227-229N,230,231,237,241-243,253,254,262,267,268,271-276
8	110 CCT 116 CCA	412 GTT	585 / 590	C*04:01:01:01-01:60,01:62,01:63w,01:64,01:65w,01:66,03:01-09N,10-15:03,17-20,24-41,43-53,55-59Q,60-88N,89-93N,94:01,94:02, 95N-99,101,102,104,105N-107,109-115N,116-123Nw,124-139,141-170N,171-173N,174-177,179-191N,192-194 / *02:22,68 / *05:26,78
9	310 AAA	485 CCT	465	C*05:01:01:01-01:31,03-07N,08-11,13-17,19,21-31,33-45w,46-48N,49-51Q,52-91N,92N-96,98,99N-102,104,105,108-113N,114 / *02:51
10	211 CCC	361 CCA	440	C*06:02:01:01-02:43,03:01-16N,18-34,36-38,40-46N,47-49N,50-58w,59-71,73-79N,80-100,102-116N,117w-126,128N-131w,132:01-134N,135,137-142,145-149 / *07:364 / *12:03:09,03:26 / *16:01:16 / <b>B*14:02:06</b>
11	300 GAG	512 CCA	500	C*07:01:01:01-02:01:05,02:02-02:32,02:34-02:64,02:66,02:67,04:01-06,08,10,11,13-16,18-24,25w,26-32N,33N, 35-40,42-48,50-55N,56:01-58w,59-61N,62-75,77-91w,92-98N,99-104N,105w-121Q,122-124w,125-139,142-150Q,151,152N-155w,156-164N,165-169,172:01-191N,192-198N,199:01-209,211-227N,228-237,239-241,243-246,248-264N,265-281w,282-294,296-303,305,306,308-314,316-327,329N-347N,348-350N,351-356,358-393N,394-402,404,405,407-409 / *01:60 / *03:14,162,220,261 / *08:07w,47,104w / *12:14:01,14:02 / *14:17 / *17:22 / <b>B*46:06,43</b>
12	339 GGA	368 CAG	320	C*07:02:01:01-02:01:05,02:02-02:67,03,10,13,15,17:01,17:02,19,23,25,29,32N,33N,37-39,42,46-50, 54,56:01,56:02,61N,62,64,66-68,72,74-76:02,80,84,87,88,90,97,99,100,102,105,107,114,117, 121Q,123,125-127,130,133,135-138,143-147,149,152N,154,155,157-161,167-169,171-172:02, 174, 175,178,183,185-187,192-195,198N,202,208,209,211,213,216-218,220,221,226w,229,232-234, 238-245,251,252,258-262,264N,265,270,271,273-275,283-291,302,305-309,312,314,316-322,325-327,333,334w,335,339-342,344-347N,348-350N,351,352,356,359,360,363,368,372-376,379,381-384,388-393N,396-402,405,409 / *06:35,47,136 / <b>A*11:151</b>
13	339 GGA	601 CTT	550	C*07:04:01-04:10,11,12,41,63,68,101,139,142,199:01,199:02,260,272,302,323,324,329N,336,338,354,355,357,358,361,364,365,378,394, 395,403,406 / *04:120 / *05:25,42 / *06:129 / *08:28
14	268 AAC 310 AAA	512 CCA	490 / 535	C*07:01:01:01-01:24,01:26,01:27-01:46w,01:47,06,07,09,16,18-22,24,26,28,30,35,36,40,44,52,53,55N,57-60,65, 69-71,73,76:01-78,81-83,85,86,89,91-96:02,98N,103,104N,106,108:01-113,115,116,118-120,122, 124,128, 129,131:01-132,134,148,150Q,151,153,156,162-164N,165,166,173,176,179,180,182,188-191N,196, 197,200,201,203-207,210,212,214,215,219,222-225,227N,228,230,231,235-237,246-250,253-257:02,263,266-269,276-281w,282,292w,293,296-301,303,310,311,313,315,317,328,330-332,337,343,353,362,366,369-371,377,380,385-387,404,406-408 / *15:65 / *17:01:01:01-21,23-27N,28 / *04:58,160 / *05:23,62 / *06:118
15	174 GCA	302 GGC	165 + 640  165  526 CGT  640	C*08:01:01-01:17,03:01-03:03,06,08-01-09,11,14,20-22,24,26N,36N,38,40-42,44,46,50,56,58-61,72:01, 72:02,78-88N,89N,91,95-99,101,102,105,106,109 C*08:01:18:02:01-02:12,04:01-05,07,12,15:01,15:02,17-19,23,27-35,37,39,43,45,47-49,51,52N,53,54,57,62, 63,65-70Q,71,73-77,90,92,93,100,103,104,107,108,110-115 / *01:43 / *02:87 / *07:101,148,161 / *12:127 C*08:10 / *05:79
16	287 AGG	341 CGG	108	C*12:02:01-04:02,06-08,10:01-20,22-27,29-32,34-39N,40-42Q,43-46N,47,48,50-57,59-62, 64-80N,81-84N,85-97,99-104N,105N-108w,109-131,133,134,136-145,147,148N / *01:17,21 / *02:12,55 / *03:27,38:01,38:02,69,130,163,246 / *04:33,107,172 / *05:46 / *06:30 / *07:07,16, 51,60,79,181,367 / *08:05, 21,25 / *14:04 / *15:03,16 / *16:15:01,15:02,25 / *17:01:01:01-10,12-14,16-25,27N,28 / <b>B*07:13, B*67:02</b> (internal control sometimes weak / interne Kontrolle manchmal schwach)
17	211 CCG 477 GCA	474 GCA	550 / 555	C*12:02:01-02:10,02:12-03:01:02,03:03-03:07,03:10-03:15,03:17-03:19,03:21-03:25,03:27-03:29,03:31-03:33,04:02-08,10:01-13,14:02-18:01,20-25,27-32,34-39N,40-42Q,43-46N,47-58,60-76w,77-80N,81-84N,85-104N,105N-143,145-148N / *01:02:18,04,21 / *04:01:05 / *06:76:02 / *07:01:20,01:27,02:38 / *08:02:02 / *14:02:08 / *15:02:14 / *16:01:17,02:13,15:02 / <b>B*27:05:27</b>
18	310 AAA	361 CCA	340	C*12:04:01,04:02,05,09,33,60w,135, / *01:14 / *02:05:01-05:03,17 / *04:37 / *05:16,85,107 / *06:02:01:01-02:01:03,02:03-02:37, 02:38-02:43,03:01-10,12-16N,17-34,36-48,49N-52w,53:01-58w,59-71,73-79N,80,81,83-100,102-106:01w,106:02-116N,117w-126,128N-131w,132:01-134N,135,137-142,145,146,148,149 / *14:12,49 / *15:37,55,58,102 / *16:02:01-02:13,09,12,19,25,37,46-48,60,63,69,70,74,77N / *17:21
19	96 CTC	361 CCA	555	C*14:02:01-07N,08,10-21N,22-27,29-34,36-47N,48-53,55-57,59-69 / *04:37 / *12:55 / <b>A*24:64w</b>
20	199 CCA	353 TGA	445	C*15:02:01:01-02:09,02:11-02:16,02:18-13,15-19,21,23-32Q,33-36,38-41w,42,44-54,56,57,59-64,66-71,73-84Q,85-92N,93-95N,96Q-98,100,101,103-105Q,106 / *02:62 / *03:04:25 / *04:80,100,110,178 / *05:10 / *08:44,61,82 / *12:44 / *14:54 / <b>B*35:08:02,08:05</b>
21	648 TCT	829 TTC	220	C*16:01:01-01:19,02:01-02:13,04:01,04:03,06-16Q,17-30N,31-77N,78,79
22	287 AGG	499 GGA	500	C*17:01:01:01-14,16-27N,28
23	211 CCC	368 CAA	445	C*18:01-04,06,07N-09 / *06:101,142
24				Kontaminations Kontrolle / Contamination Control

\* 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.  
w schwach / weak

Folgende Allele werden nicht erkannt / Following alleles cannot be detected: Cw\*01:59,61,67, \*03:16,58,86,94,99, \*04:01:61,16,23,42:01,42:02,54,103,108,140, \*05:12,18:01-18:03,20,32,97,103,106, \*06:72,127:01,127:02,143,144, \*07:140-141:02,170,304, \*08:13,16:01,16:02,55N,94, \*14:09,28:01,28:02,35N,58, \*15:22,72, \*18:05

