



Mix #	5'-Primer	3'-Primer	Größe / Size [bp]	Spezifität / Specificity
1	125 GTC	305 GGC	220	DRB1*03:01:01:01:01:03,01:05-41,43-67N,68N-75,77-80,82,83,85,86,88-91,93-95w,96-110,112-118 / *11:07,53,103,105,107,125,136,173 / *14:104w,111w / DRB3*01:14
2	184 GTC	344 CAC 344 CCA	200	DRB1*04:01:01:05:11w,05:13-05:17w,05:18-62,64-81N,82-94N,95:01-97,98:01-109, 111-119N,120N-142N,143-157N,158N-160,162-178N,179-186N / *03:49 / *08:38 / *11:102:01,102:02,175
3	127 ATA	227 GGT	140	DRB1*07:01:01:01,01:01:02,01:02w-01:08,03-09,10N-21,23-26N,27-35
4	125 GTC	260 CCT	175	DRB1*11:01:01:04:12,06:01-21,23:01-29,31w,32,33w,34,35w,36-37:02,39-52w,53-64,65:01w-66,68-70,72-96w,97-130w,131-148w,149-176 / *03:08,65
	133 GTC		170	DRB1*11:05
5	500 TGA	669 GAT	<b>800 !</b>	DQB1*02:01:01:01:19,04,05?,07?-09?,13?-18N?,19?,20N?-52?,53Q
6	159 ACA	266 CGG	150	DQB1*02:01:01:01:06,01:08-01:19,02:01,02:02,04-14:01w,14:02w-16,18N-20N,21-33w,34-49w,50-53Q
7	500 TGG	599 CTC	140	DQB1*02:02:01:02:02,03,05?,06w,10-12,13?-18N?,19?,20N?-26?,28?-47?,49?-52?
8	159 ACA	266 CGT	150	DQB1*02:03 / *04:02:02
9	230 GGA	294 ACT	105	DQB1*03:01:01:01:01:28,04:01,04:02,09,16,19,21,22,24,27-29,35,36,42,44,46-60,69,71,73-78,80,82-84N,92-94,101-103,108,109,113-116,118N-122,127-131,133w-135,139,140,142-144,147,148,150-152,154,157-160,162-167 / 06:145
10	134 GGC	294 ACT	200	DQB1*03:01:01:01:01:28,04:01,04:02,09-10:02,12,14:01,14:02,16,19,21,22,24,27-29,35,36,42,44,46-60,70,71,73-78,80,82-84N,92-94,101-103,108,109,114-116,118N-122,127-131,133-135,139,140,143,144,147,148,150-152,154,157-160,162-167 / *06:58,122,148
11	450 TCA	596 CAT	185	DQB1*03:01:01:01:01:28?,04:01,04:02,10:01,10:02,11?-15?,16,17:01?-18?,19,20?,21,22,23?,24,26?,27-29,35,36,37?,40?,42,44?,46,47,48?,49-51,52?-66N?,67?-71?,73,74?-78?,80,81?,82?-84N?,92-94,101?-112?,113-116,118N?-163?,164-167? / *04:08
12	266 TGC	346 CTG	120	DQB1*03:02:01:02:17,04:01-05:04,07,08,11,14:01,14:02,18,32,37,45,61-64,66N-68,70,80,81,85,106,107,125,132,138,146,153w,161w
13	210 GCA	266 CGG	95	DQB1*03:02:01:02:02,02:04-02:09,02:11-01:14w,01:15-01:17,04:01,04:02,05:03,05:04,07,08,11,14:01,14:02,18,32,37,45,62-64,66N-68,70,80,81,85,106,107,125,138,146,153,161
14	242 GGC	346 CTG	145	DQB1*03:02:01:02:04,02:06-02:17,03:02:01-03:02:03,03:03-03:13,04:02,05:01-05:04,06,08,10:01-12,14:01-15,17:01-18,20,25,26,30-34,37-41,43,45,61-64w,65,66N-68,70,72,79,81,85-89,91Q,95N-99Q,100,104-107,110-112,117,123-126,132,136-138,141,145,146,149,153,155,156,161 / *04:01:01-08,10,12-25N,26,27
15	210 GCA	304 CCT	135	DQB1*03:01:01:01:01:01:03,01:03-01:06,01:08-01:28,02:01,02:02,02:04-02:17, 03:02:01-03:02:03,03:04-03:13,04:01,04:02,05:03,05:04,07,09-17:01,18,19,21,22,24,26-58w,59,60,62-64,66N-71,74,76-84N,85-90N,91Q-95N,96-99Q,101-107w,108-111,113-118Nw,119-131,133-136,138-155,157-161,163-167 / *06:04:08
16	173 TTA	266 CGG	135	DQB1*03:04:01,04:02,14:01,14:02,80,138
17	143 GTT	208 CTT	105	DQA1*02:01
18	548 TGC	628 TGT	485	DQA1*03:01:01
19	389 CAT	585 AAG	235	DQA1*05:01:01:01,01:01:02, 01:02?, 03, 04?, 06, 07
20	245 CCG	293 GAC	90	DQA1*05:02
21	389 CAT	547 AGA	200 **	DQA1*05:03,06,07
22	131 TCT	293 GAC	205	DQA1*05:04
23	389 CAT	585 AGT	235	DQA1*05:02,04?,05:01:01-05:01:03,08-11
24				Kontaminationskontrolle / 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.

\*\* Die spezifische Bande in Mix 21 kann schwächer sein als die anderen spezifischen Reaktionen. /  
The specific band in Mix 21 may be weaker than the other specific bands.

w schwach/weak

? Reaktion nicht vorhersagbar da Sequenz nicht bekannt / Reaction not predictable cause sequence not known

! Die Größe der internen Kontrolle in Mix 5 ist 429bp / The size of the internal control in mix 5 is 429bp

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

! Nach erstmaligem Testen des Mix 23 mit einer seltenen DQA1\*05:02 wurde festgestellt, dass dieses Allel auch von diesem Mix erfasst wird.  
After testing mix 23 with a rare DQA1\*05:02 the first time, it was ascertained, that this allele will be detected by this mix too.