

Specificity Table / Spezifitätstabelle

Mix	5'-Primer [®]	3'-Primer [®]	bp	Specificity / Spezifität
1	88 GAC	169 AAC	120	DQB1*05:01:01:01-01:09,07,11,12,18,20-22,25,27,29-32
2	88 GAC	169 GCT	120	DQB1*05:02:01-02:07, 05:01,05:02,14,17,19,26,33-37
3	88 GAC	170 CGT 170 CAT	125	DQB1*05:03:01:01-03:10,06,08-10,13,15,16,23,24,28,38-41N,42,43
4	40 GCC	198 ATG	200	DQB1*05:04
5	404 TGA	573 GAT	800 [®] KB (410bp)	DQB1*02:01:01-01:13,04,05?,07?-09?,13?-18N?,19?,20N?-33?
6	63 ACA	170 CGG	150	DQB1*02:01:01-01:06,01:08-01:13,02:01,02:02,04-14w,15,16,18N-20N,21-33w
7	404 TGG	503 CTC	140	DQB1*02:02:01,02:02,03,05?,06w,10-12,13?-18N?,19?,20N?-26?,28?-33?
8	63 ACA	170 CGT	150	DQB1*02:03 / *04:02:02
9	406 ACG	573 GAT	795 [®] KB (410bp)	DQB1*02:04, 05?
10	38 GGC	198 ACT	200	DQB1*03:01:01:01-01:06,04,09,10,12,14:01,14:02,16,19,21,22,24,27-29,35,36,42,44,46-60,70,71,74-78,80,82-84N / *06:58
11	171 GAC	230 CCG	100	DQB1*03:01:01:01-01:13w,01:14-01:20,03:02:01-03:07,09,10,12,13,15-17:02,19-22,24,26-31,33-36,38-44,46-60,65,69,71,72,74-79,82-84N,86-89 / *06:66,96
12	134 GGA	198 ACT	105	DQB1*03:01:01:01-01:20,04,09,16,19,21,22,24,27-29,35,36,42,44,46-60,69,71,74-78,80,82-84N
13	114 GCA	208 CCT	135	DQB1*03:01:01:01-01:01:03,01:03-01:06,01:08-01:20,02:01,02:02, 02:04-02:09, 03:02:01-03:07,04,05:03,05:04,07,09-19,21,22, 24, 26-58w,59,60,62-64,66N-71,74,76-84N,85-89
14	114 GCA	170 CGG	95	DQB1*03:02:01,02:02,02:04-02:09,04,05:03,05:04,07,08,11,14:01,14:02,18,32,37,45,62-64,66N-68,70,80,81,85
15	146 GGC	250 CTG	145	DQB1*03:02:01-02:09, 03:02:01-03:07, 05:01-05:04, 06,08,10-12,14:02,15,17:01-18,20,25,26,30-34,37-41,43,45,46,62-64w,65,66N-68,70,72,79,81,85-89 / *04:01:01-08,10,12-17
16	77 TCT	170 CGT	135	DQB1*03:03:02:01-03:07,06,12,15,20,25,26,30,31,33,34,38-41,43,65,74,79,86-89 / *02:03 / *04:03:01,03:02 / *06:51,66,96
17	77 TTA	170 CGG	135	DQB1*03:04,14:01,14:02,80
18	75 CGG	170 CGG	135	DQB1*03:05:01-05:04,61
19	77 TCT	231 ACG	195	DQB1*03:06, 25 / *04:03:01, 03:02
20	113 CGC	146 CCA 208 CCC	75 135	DQB1*03:07 DQB1*03:08 / *06:02:01-02:07,02:09,02:10,03:01-03:09,08:01,08:02, 10-14:02,16, 19-21,23,26N,29,31,33,40,41,44,46,47,49,50,59-62w,63-65,67,68,70-75N,76,77N,78,80-84,87,90-92,95-97
21	134 GGA	503 CGG	650	DQB1*03:09
22	40 GCC 79 TTC 112 ACA	198 ACT	200 160 125	DQB1*03:11,26 / *05:01:01:01-01:09,02:01-02:07,03:01:01-03:10, 05:01-27,29-41N,42,43 / *06:05:01,05:02,06,20,31 DQB1*03:18 DQB1*03:20 / *05:28
23	38 GGC	77 CAA	80	DQB1*03:12,70,74,78
24	114 GCA	167 CAA 189 TGC 200 GGT	95 115 125	DQB1*03:25 / *04:01:03 DQB1*03:15 DQB1*03:13 (sometimes weak unspecific band at about 70 bp)
25	171 GAC	389 ACT 397 CCA 508 GAT	500 505 620	DQB1*03:22 DQB1*03:21 DQB1*03.24,79
26	68 GCT	231 ACG	205	DQB1*04:01:01-01:04,05-08,14-17
27	68 GCG	231 ACG	205	DQB1*04:02:01-02:04,03:01,04,09-13
28	141 TAT	216 GCT	115	DQB1*06:01:01-01:10, 45,53,54N-57,98,100-102N,103-105

Mix	5'-Primer [⊙]	3'-Primer [⊙]	bp	Specificity / Spezifität
29	88 GAT	144 GCG	95	DQB1*06:02:01-02:04,02:06-02:10,09:02,10,11:01,11:02,13:01,15:01,15:02,16,20,24,29,33,37,46-51,68,70-75N,76,77N-84,94,95w-97,99 / *03:02:05,23
30	88 GAT	170 CAT	125	DQB1*06:01:08,02:01-02:10,11:01,15:01,15:02,19,20,24,33,37,46-50,68,70-75N,76,77N-84,95,97 / *03:23
31	171 GAT	259 GAA	130	DQB1*06:01:08,02:01-03:09,11:01,11:02,14:01,14:02,16,19,20,23,24, 26N,28,30-33,37,40,41,44,47-50,59-62,64,65,67,68,70-72w,73w-75N, 76w,77N-84,87w,90,91,95,97
32	81 GTA	208 CCT	170	DQB1*06:04:01-04:07,05:01,05:02,07:01,07:02,09:01-09:03,18,22:02,25,27,32,34, 36,38,39,52,58,66,69,85,86,88,89,93,94
33	75 CGT	170 CAA	135	DQB1*06:04:01-04:07,05:01,06,08:01-09:03,12-13:02,17,18,21-22:02,27,34,36, 38,39,42,52,55,58,69,85,86,88,89,93,94w
34	88 GAC	257 ACC	210	DQB1*06:04:01-04:05,04:07,07:01,07:02,17,21,25,34,36,38,39,52,58,69,85,86,89,92,93
35	77 TCT	257 ACC	220	DQB1*06:04:01-04:05,04:07-05:02,06?,07:01,07:02,09:01-09:03,12,15:01,15:02,17,21-22:02,25,34,36, 38,39,42,46,52,58,66,69,85,86,88, 89,92-94
36	40 GCA	257 ACC	260	DQB1*06:04:01-04:05,04:07,07:01,07:02,09:01-09:03,12,15:01,15:02, 17,21-22:02,25,34,36,38,39,42,46,52,66,69,86,88,89,92-94
37	26 GTT	211 GGT	225	DQB1*06:02:01-02:10,10,13:01-16,19,20, 22:01-23,29,33,37,46-51w,68-75N,76,77N-84,95-97 / *03:30,72
38	26 GTA	259 GAA	275	DQB1*06:03:01-03:09,06?,08:01,08:02,11:01,11:02,18,26N,27,28,30-32,40,41,44,45,59-65,67,87,90,91
39	114 GCG	169 GCT	95	<i>DQB1*05:05 / *06:10,25</i>
40	26 GTA	88 GTA	105	DQB1*06:05:01, 05:02, 06?, 09:01-09:03,11:01,11:02,12,18,42,45,66, 88,94 / *03:01:01:01-29,31-37,39-46w,47-51,53-66N,67-71,74-84N,85-89 / *04:04,05 / *05:04
41	26 GTT	88 GTG	105	<i>DQB1*06:14:01,14:02,69 / *05:38</i>
42	26 GTT	178 GTT	195	<i>DQB1*06:16</i>
43	77 TCT	211 GGC	175	<i>DQB1*06:17, 24, 30,42</i>
44	26 GTT	141 CGA	155	DQB1*06:02:05,19 / *03:30,72 / *04:01:01-03:02,06-08,10,11w-17 / *05:38
45	40 GCC 85 CCT	144 GCG	145 100	<i>DQB1*06:20, 31</i> <i>DQB1*06:26N</i>
46	77 GGG 33 TTA 91 ACG	144 GCG	110 150 95	<i>DQB1*06:23</i> <i>DQB1*06:33</i> <i>DQB1*06:40</i>
47	554 CAT	573 GAC	650	DQB1*03:02:01-03:07, 05:01-05:04,06?-08?,11?-15?,17:01?-18?,19,20?, 23?, 25?, 26?,30?,31-34?,37?-41?,43?-45?,48?,52?-66N?,67?-72?,74?-79?,81?, 82?,85?-89? / *04:01:01,01:02?-01:04?,02:01,02:02?-02:04?, 03:01?-17?
48				Kontaminationskontrolle / Contamination control

⊙ The codon at the 3'-end of the primer. The number given is the nucleotide position.
Das Codon am 3'-Ende des Primers. Die Nummer gibt die Nukleotidposition an.

⊙ **The control band is smaller than the specific band (410 bp) / Die Kontrollbande ist kleiner als die spezifische Bande (410 bp)**

- Alleles in italics: Positive reactions could not be verified experimentally. The correct reactivity of the primers was tested in other mixes if possible. / *Kursiv gedruckte Allele: Die positiven Reaktionen konnten nicht experimentell überprüft werden. Die einzelnen Primer wurden aber soweit möglich in anderen Mixen auf korrekte Reaktivität überprüft.*

w weak reaction / schwache Reaktion

? no sequence information available for primer binding site / keine Sequenzinformation für Primerbindungsstelle vorhanden

The following alleles cannot be detected / Die folgenden Allele werden nicht erkannt: /: DQB1*06:35,43