# HISTO TYPE DQB high

SCORE + HISTO MATCH: http://service.bag-healthcare.com Update: 01/2015_3.19.0 (V11.5) 12/2014

## WORKSHEET

Sample ID / *Proben-ID*:_____

Name:_____

Birthdate / *Geb.-Datum*: _____

Result / *Ergebnis*:_____

Date / *Datum:* _____

Signature / *Unterschrift*:_____

**Gel picture / *Gelbild*:**

| specific reaction / *spezifische Reaktion* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Specificity / *Spezifität*** | **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** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| *02:01:01-01:06,01:08-01:19,07:01?-09?,27?,48?,53Q | DQ2, – | | | | | 5 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:01:07 | – | | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:02:01,02:02,06w,10-12 | DQ2, – | | | | | | 6 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:03 | DQ2 | | | | | | | 7 | 8 | | | | | | | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:04 | DQ2 | | | | | 5 | 6 | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:05 | DQ2 | | | | | ? | 6 | ? | | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:13,14w-16,18N-26,28-33w,34-47,49-52 | –, Null | | | | | ? | 6 | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *02:17 | – | | | | | ? | | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *03:01:01:01-01:01:03,01:03-01:06,01:08-01:13w, 01:14-01:28,16,27-29,35,36,42,47,49-51,83,84N,92-94,114-116,164 | DQ7, –, Null | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | | |
| *03:01:02,01:07,73 | DQ7, – | | | | | | | | | | 10 | 11 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | | |
| *03:02:01,02:02,02:04,02:06-02:09,02:11w,02:12,02:14w-02:17 | DQ8, – | | | | | | | | | | | | | 13 | 14 | 15 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:02:03 | DQ8 | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:02:05 | – | | | | | | | | | | | | | 13 | 14 | | | | | | | | | | | | | | | 29 | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:02:10 | – | | | | | | | | | | | | | 13 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:02:13 | – | | | | | | | | | | | | | 13 | 14 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| *03:03:02:01-03:02:03,03:04-03:08w,03:09-03:13,31,91Q,95N-98,117 | DQ9, – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:03:03 | DQ9 | | | | | | | | | | | 11 | | | | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:04:01,80 | DQ7, – | | | | | | | | | | 10 | | 12 | 13 | 14 | | | 17 | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *03:04:02 | – | | | | | | | | | | 10 | | 12 | 13 | 14 | 15 | | 17 | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *03:05:01,05:02 | DQ8 | | | | | | | | | | | | | | | 15 | | | 18 | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:05:03,05:04 | DQ8 | | | | | | | | | | | | | 13 | 14 | 15 | | | 18 | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:06 | DQ3 | | | | | | | | | | | | | | | 15 | 16 | | | 19 | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:07 | DQ8 | | | | | | | | | | | | | 13 | 14 | | | | | | 20 | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:08 | DQ8 | | | | | | | | | | | | | | 14 | 15 | | | | | 20 | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:09 | DQ7 | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | 21 | | | | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *03:10:01,10:02w | DQ8, – | | | | | | | | | | 10 | 11 | | 13 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *03:11,18 | DQ8 | | | | | | | | | | | | | 13 | 14 | 15 | | | | | | | 22 | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| **Specificity / *Spezifität*** | **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** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **Product size [bp] / Produktgröße [bp]** | | 120 | 120 | 125 | 200 | 800 | 150 | 140 | 150 | 795 | 200 | 100 | 105 | 135 | 95 | 145 | 135 | 135 | 135 | 195 | 75<br>135 | 650 | 200<br>160<br>125 | 80 | 95<br>115<br>125 | 500<br>505<br>620 | 205 | 205 | 115 | 95 | 125 | 130 | 170 | 135 | 210 | 220 | 260 | 225 | 275 | 95 | 105 | 105 | 195 | 175 | 155 | 145<br>100 | 95<br>110<br>150 | 650 | |

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# HISTO TYPE DQB high, Lot: xxxxx

**Name:**_____

| Specificity / *Spezifität* | 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 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *03:12 | DQ9 | | | | | | | | | | 10 | 11 | | 13 | | 15 | 16 | | | | | | | 23 | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:13 | DQ7 | | | | | | | | | | | 11 | | 13 | | | | | | | | | | | 24 | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:14:01 | DQ3 | | | | | | | | | | 10 | | | 13 | 14 | | | 17 | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:14:02 | – | | | | | | | | | | 10 | | | 13 | 14 | 15 | | 17 | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:15 | DQ9 | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | 24 | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:17:01 | DQ9 | | | | | | | | | | | 11 | | 13 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:17:02 | – | | | | | | | | | | | 11 | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:19,58w | DQ7 | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | 47 | |
| *03:20 | DQ9 | | | | | | | | | | | 11 | | | | 15 | 16 | | | | | | 22 | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:21,22,24 | – | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *03:23 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | | | | | | | | | | 40 | | | | | | | ? | |
| *03:25 | – | | | | | | | | | | | | | | | 15 | 16 | | | 19 | | | | | 24 | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:26 | – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | 22 | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:30 | – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | | | | | | | | | | | | | 37 | | | | | | | | 44 | | | ? | |
| *03:32,37,62-64w,66N-68,81,85,106,107,125,146,153,161 | –, Null | | | | | | | | | | | | | 13 | 14 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:33,34,39-41,43,86-89,104,105,111,123,124,126,136,141,145,149,155 | – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:38 | – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ? | |
| *03:44,46?,48,53-57,59,60,71,76,77,82,101-103,108,109,118Nw-122,128,129w,131,133w-135,139,140,143,144,147,148,150-152,154,157-160,163,165-167 | – | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:45 | –, Null | | | | | | | | | | | | | 13 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:46,52,127 | – | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ? | |
| *03:61 | – | | | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:65,112,156 | – | | | | | | | | | | | 11 | | | | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:69,142 | – | | | | | | | | | | | 11 | 12 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:70 | – | | | | | | | | | | 10 | | | 13 | 14 | 15 | | | | | | | | 23 | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:72 | – | | | | | | | | | | | 11 | | | | 15 | | | | | | | | | | | | | | | | | | | | | 37 | | | | | | | | 44 | | | ? | |
| *03:74 | – | | | | | | | | | | 10 | 11 | 12 | 13 | | | 16 | | | | | | | 23 | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:75,162 | – | | | | | | | | | | 10 | 11 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:78 | – | | | | | | | | | | 10 | 11 | 12 | 13 | | | | | | | | | | 23 | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:79 | – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | | 25 | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:90N | – | | | | | | | | | | | 11 | | 13 | | | 16 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:99Q | – | | | | | | | | | | | 11 | | 13 | | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| *03:100 | – | | | | | | | | | | | 11 | | | | 15 | | | | | | | | | | | | | | | | | | | | | 37 | | | | | | | | 44 | | | 47 | |
| *03:110 | – | | | | | | | | | | | | | 13 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:113 | – | | | | | | | | | | | 11 | 12 | 13 | | | 16 | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *03:130 | – | | | | | | | | | | 10 | w | 12 | 13 | | | | | | | | | | | w | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:132 | – | | | | | | | | | | | | | | | 15 | | | 18 | | | | | | | | | 27 | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *03:137 | – | | | | | | | | | | | 11 | | | | 15 | 16 | | | | 20 | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *03:138 | – | | | | | | | | | | | | | 13 | 14 | 15 | | 17 | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *04:01:01 | DQ4 | | | | | | | | | | | | | | | 15 | | | | | | | | | | | 26 | | | | | | | | | | | | | | | | | | 44 | | | 47 | |
| *04:01:02,01:04,06-08,14-17 | DQ4, – | | | | | | | | | | | | | | | 15 | | | | | | | | | | | 26 | | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:01:03 | – | | | | | | | | | | | | | | | 15 | | | | | | | | | 24 | | 26 | | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:02:01 | DQ4 | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | 44 | | | 47 | |
| *04:02:02 | – | | | | | | | | 8 | | | | | | | 15 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:02:03,02:04,02:06,10,12,13,18,19,20w-25N,26,27 | – | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:02:05 | – | | | | | | | | | | | | | | | w | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | | | | 47 | |
| *04:02:07 | – | | | | | | | | | | | | | | | w | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | | | | ? | |
| *04:02:08 | – | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:03:01 | – | | | | | | | | | | | | | | | 15 | 16 | | | 19 | | | | | | | | 27 | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:03:02 | – | | | | | | | | | | | | | | | 15 | 16 | | | 19 | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | | ? | |
| *04:04 | – | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | 27 | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *04:05 | – | | | | | | | | | | | | | | | 15 | | | | | | | | | | | 26 | | | | | | | | | | | | | | 40 | | | | | | | ? | |
| *04:09 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | | | | ? | |
| *04:11 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | | | 44 | | | ? | |
| **Specificity / *Spezifität*** | **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** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **Product size [bp] / Produktgröße [bp]** | | 120 | 120 | 125 | 200 | 800 | 150 | 140 | 150 | 795 | 200 | 100 | 105 | 135 | 95 | 145 | 135 | 135 | 135 | 195 | 75<br>135 | 650 | 200<br>160<br>125 | 80 | 95<br>115<br>125 | 500<br>505<br>620 | 205 | 205 | 115 | 95 | 125 | 130 | 170 | 135 | 210 | 220 | 260 | 225 | 275 | 95 | 105 | 105 | 195 | 175 | 155 | 145<br>100 | 95<br>110<br>150 | 650 | |


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# HISTO TYPE DQB high, Lot: xxxxx

**Name:**_____

| Specificity / *Spezifität* | 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 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *05:01:01:01-01:18w,01:19,07,11:01-12,18,20-22,25,27,29-32,44,45,48,49,54,55,61,63,68-72,74-76,80-82,84,88,89 | DQ5, – | 1 | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:02:01-02:11,05:02,14,17,19,26,33-37,46,47,53,57,59,65,79,83,86,87Q | DQ5, – | | 2 | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:03:01:01-03:11,03:13-03:16,06:01,06:02,08-10,13,15,16,23,24,28,39-43,50,56,58,60,64,66,67,78,85 | DQ5, –, Null | | | 3 | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:03:12 | – | | | 3 | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | 45 | 46 | | |
| *05:04,52,77 | DQ5 | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | |
| *05:05:01 | DQ5 | | 2 | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | 39 | | | | | | | | |
| *05:38 | – | | | 3 | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | 41 | | | 44 | | | | |
| *05:51 | – | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *05:62 | – | 1 | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | | | | 41 | | | | | | | |
| *05:73 | – | 1 | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | | | | | | 38 | | | | | | | | | |
| *06:01:01-01:07,01:09-01:11,01:13,01:14,53,54N,56,57,98,99:02-105,108,120,132,140,153,157,167 | DQ6, –, Null | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | | | | | | | | | | | | | | | | | | |
| *06:01:08 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | 30 | 31 | | | | | | | | | | | | | | | | | |
| *06:02:01-02:04,02:06,02:07,02:09,02:10,02:11w-02:13,02:15,02:17,02:18,02:20,02:21w-02:23,19:02,47,49, 50,68,70-72w,73w,74,75N,76w,77N,78,80-84,95w,97,106w,107,109,111-117,124-127,131w,136-138,147,150,151,159,161,166 | DQ6, –, Null | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | 30 | 31 | | | | | | | 37 | | | | | | | | | | |
| *06:02:05,19:01 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | 30 | 31 | | | | | | | 37 | | | | | | | | 44 | | | |
| *06:02:08,37,48,51:02,79:01 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | 31 | | | | | | | 37 | | | | | | | | | | | |
| *06:02:14 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | 30 | 31 | | | | | | | 37 | | | | | | | | w | | | |
| *06:02:16,02:19,152,163w | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | 30 | 31 | | | | | | | 37 | | | | | | | | | | | |
| *06:03:01-03:09,03:11-03:17w,03:18,41,44,59,60w-62,64,65,67,87w,90,91,110,128,134,141,143,154,165 | DQ6, – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | | | 38 | | | | | | | | | | |
| *06:03:10 | – | | | | | | | | | | | | | | | | 16 | | | | 20 | | | | | | | | | | | | | | | | | | | 38 | | | | | | | | | | |
| *06:04:01-04:05,04:07,04:09,04:10,34,36,38,39,52,86,89,93,135,155,158N,160,164 | DQ6, –, Null | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | 34 | 35 | 36 | | | | | | | | | | | | |
| *06:04:06 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | | | | | | | | | | | | | | | | |
| *06:04:08 | – | | | | | | | | | | | | | 13 | | | | | | | | | | | | | | | | | | | 32 | 33 | 34 | 35 | 36 | | | | | | | | | | | | | |
| *06:05:01 | DQ6 | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | 32 | 33 | | 35 | | | | | 40 | | | | | | | | | |
| *06:05:02 | DQ6 | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | 32 | | | 35 | | | | | 40 | | | | | | | | | |
| *06:06 | – | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | | | | 33 | | ? | | | | ? | | ? | | | | | | | | |
| *06:07:01,07:02 | DQ6, – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | | 34 | 35 | 36 | | | | | | | | | | | | | |
| *06:08:01-08:03 | DQ6 | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | 33 | | | | | 38 | | | | | | | | | | |
| *06:09:01,09:03,09:05,09:06,88,121,142, | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:09:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | 32 | 33 | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:09:04 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:10,130 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | | | | | | | | 37 | | 39 | | | | | | | | | | |
| *06:11:01,11:03 | DQ1 | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | 30 | 31 | | | | | | | 38 | | 40 | | | | | | | | | |
| *06:11:02 | DQ1 | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | | 31 | | | | | | | 38 | | 40 | | | | | | | | | |
| *06:12 | DQ1 | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | 33 | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:13:01 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | | | | 33 | | | | 37 | | | | | | | | | | | | |
| *06:13:02 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | 33 | | | | 37 | | | | | | | | | | | | |
| *06:14:01,14:02 | DQ6 | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | 37 | | | | 41 | | | | | | | | |
| *06:15:01,15:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | | | | | 35 | 36 | 37 | | | | | | | | | | | | |
| *06:16 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | | 31 | | | | | | 37 | | | | | 42 | | | | | | | |
| *06:17 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 34 | 35 | 36 | | | | | | | 43 | | | | | | |
| *06:18:01,18:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | | | | | 38 | | 40 | | | | | | | | | |
| *06:20 | – | | | | | | | | | | | | | | | | | | | | 20 | | 22 | | | | | | | 29 | 30 | 31 | | | | | | 37 | | | | | | | | | 45 | | | |
| *06:21 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | 33 | 34 | 35 | 36 | | | | | | | | | | | | | |
| **Specificity / *Spezifität*** | **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** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **Product size [bp] / Produktgröße [bp]** | | 120 | 120 | 125 | 200 | 800 | 150 | 140 | 150 | 795 | 200 | 100 | 105 | 135 | 95 | 145 | 135 | 135 | 135 | 195 | 75<br>135 | 650 | 200<br>160<br>125 | 80 | 95<br>115<br>125 | 500<br>505<br>620 | 205 | 205 | 115 | 95 | 125 | 130 | 170 | 135 | 210 | 220 | 260 | 225 | 275 | 95 | 105 | 105 | 195 | 175 | 155 | 145<br>100 | 95<br>110<br>150 | 650 | |


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## HISTO TYPE DQB high, Lot: xxxxx

**Name:**_____

| Specificity / *Spezifität* | 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 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *06:22:01 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | | 35 | 36 | 37 | | | | | | | | | | | | |
| *06:22:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | | 35 | 36 | 37 | | | | | | | | | | | |
| *06:22:03 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | 33 | | 35 | 36 | 37 | | | | | | | | | | | |
| *06:23 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | 37 | | | | | | | | | | 46 | | |
| *06:24 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | 31 | | | | | | | | | | | | 43 | | | | | | |
| *06:25 | DQ6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | | 34 | 35 | 36 | | | 39 | | | | | | | | | |
| *06:26N | Null | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | | 38 | | | | | | | | 45 | | | |
| *06:27:01,27:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | | | | | 38 | | | | | | | | | | |
| *06:28,144N | Null, - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | | | | | | | 38 | | | | | | | | | | |
| *06:29 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | | | | | | | | 37 | | | | | | | | | | | |
| *06:30 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | | | | | | | 38 | | | | | 43 | | | | | |
| *06:31 | – | | | | | | | | | | | | | | | | | | | | 20 | | 22 | | | | | | | | | 31 | | | | | | | 38 | | | | | | | | 45 | | | |
| *06:32 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 32 | | | | | | 38 | | | | | | | | | | |
| *06:33 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | 30 | 31 | | | | | | 37 | | | | | | | | | | 46 | | |
| *06:40 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | | 38 | | | | | | | | | 46 | | |
| *06:42 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | | 35 | 36 | | | | 40 | | | 43 | | | | | |
| *06:45 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | | | | | | | | 38 | | 40 | | | | | | | | |
| *06:46 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | 30 | | | | | 35 | 36 | 37 | | | | | | | | | | | |
| *06:51:01 | – | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | 29 | | | | | | | w | | | | | | | | | | | | |
| *06:55 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | | | 33 | | | | | | | | | | | | | | | |
| *06:58 | – | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | 34 | 35 | | | | | | | | | | | | | |
| *06:63,133 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | 38 | | | | | | | | | | | |
| *06:66 | – | | | | | | | | | | | 11 | | | | | 16 | | | | | | | | | | | | | | | | 32 | | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:69 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | 34 | 35 | 36 | 37 | | | | 41 | | | | | | | |
| *06:79:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 31 | | | | | | 37 | | | | | | | | | | | |
| *06:85 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | 34 | 35 | | | | | | | | | | | | | |
| *06:92 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | 34 | 35 | 36 | | | | | | | | | | | | | |
| *06:94 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | w | | | 32 | w | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:96 | – | | | | | | | | | | | 11 | | | | | 16 | | | | 20 | | | | | | | | | 29 | | | | | | | 37 | | | | | | | | | | | | |
| *06:99:01 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | | | | | | | | | | | | | | | |
| *06:118:01 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 30 | | 32 | | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:118:02 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | 32 | | | 35 | 36 | | | | 40 | | | | | | | | | |
| *06:119 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | 33 | | 35 | 36 | 37 | | | | | | | | | | | | |
| *06:122 | – | | | | | | | | | | 10 | | | | | | | | | | 20 | | | 23 | | | | | | 29 | 30 | 31 | | | | | | 37 | | | | | | | | | | | | |
| *06:123 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | 37 | | | | | | | | | | | | |
| *06:129 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 32 | 33 | | | | | | | 40 | | | | | | | | | |
| *06:139 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | | | | | | | 44 | | | | | |
| *06:145 | – | | | | | | | | | | | | 12 | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | 38 | | | | | | | | | | | | |
| *06:146 | – | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | | | 29 | 30 | | | | | | | 37 | | | | | | | | | | | | |
| *06:148 | – | | | | | | | | | | 10 | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | | 38 | | | | | | | | | | | |
| *06:149 | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | 34 | 35 | 36 | | | | | | | | | | | | |
| *06:156 | – | | | | | | | | | | | | | | | | | | | | 20 | | 22 | | | | | | | | | 31 | | | | | | 37 | | | | 41 | | | | 45 | 46 | | |
| *06:162 | – | | | 3 | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | | 31 | | | | | | 37 | | | | 41 | | | | | 46 | | |
| Contamination control / *Kontaminationskontrolle* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| **Product size [bp] / Produktgröße [bp]** | | 120 | 120 | 125 | 200 | 800 | 150 | 140 | 150 | 795 | 200 | 100 | 105 | 135 | 95 | 145 | 135 | 135 | 135 | 195 | 75<br>135 | 650 | 200<br>160<br>125 | 80 | 95<br>115<br>125 | 500<br>505<br>620 | 205 | 205 | 115 | 95 | 125 | 130 | 170 | 135 | 210 | 220 | 260 | 225 | 275 | 95 | 105 | 105 | 195 | 175 | 155 | 145<br>100 | 95<br>110<br>150 | 650 | |


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## Specificity Table / *Spezifitätstabelle*

| Mix | 5´-Primer① | 3´- Primer① | bp | Specificity / *Spezifität* |
|---|---|---|---|---|
| 1 | 88 GAC | 169 AAC | 120 | DQB1*05:01:01:01-01:19,07,11:01-12,18,20-22,25,27,29-32,44,45,48,49,51,54,55,61-63,68-76,80-82,84,88,89 |
| 2 | 88 GAC | 169 GCT | 120 | DQB1*05:02:01-02:11, 05:01,05:02,14,17,19,26,33-37,46,47,53,57,59,65,79,83,86,87Q |
| 3 | 88 GAC | 170 CGT<br>170 CAT | 125 | DQB1*05:03:01:01-03:16,06:01,06:02,08-10,13,15,16,23,24,28,38-41N,42,43,50,56,58,60,64,66,67,78,85 / *06:162 |
| 4 | 40 GCC | 198 ATG | 200 | DQB1*05:04,52,77 |
| 5 | 404 TGA | 573 GAT | 800 ② KB (410bp) | DQB1*02:01:01-01:19,04,05?,07:01?-09?,13?-18N?,19?,20N?-52?,53 |
| 6 | 63 ACA | 170 CGG | 150 | DQB1*02:01:01-01:06,01:08-01:19,02:01,02:02,04-14:02w,15,16,18N-20N,21-33w,34-41,42-53Q |
| 7 | 404 TGG | 503 CTC | 140 | DQB1*02:02:01,02:02,03,05?,06w,10-12,13?-18N?,19?,20N?-26?,28?-47?,49?-52? |
| 8 | 63 ACA | 170 CGT | 150 | DQB1*02:03 / *04:02:02 |
| 9 | 406 ACG | 573 GAT | 795 ② KB (410bp) | ***DQB1*02:04, 05?*** |
| 10 | 38 GGC | 198 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 | 171 GAC | 230 CCG | 100 | DQB1*03:01:01:01-01:13w,01:14-01:27,03:02:01-03:08w,03:09-03:13,09-10:02,12,13,15-17:02, 19-22,24,26-31,33-36,38-44,46-60,65,69,71-79,82-84N,86-90N,91Q-95N,96-99Q,100-105,108, 109,111-118N,119-124,126-129w,130w,131,133-137,139-145,147-152,154-160,162-167 / *06:66,96 |
| 12 | 134 GGA | 198 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-122,127-131,133-135,139,140,142-144,147,148,150-152,154,157-160,162-167 / *06:145 |
| 13 | 114 GCA | 208 CCT | 135 | DQB1*03:01:01:01-01:01:03,01:03-01:06,01:08-01:28,02:01,02:02, 02:04-02:17,03:02:01-03:13,04:01,04:02,05:03,05:04,07,09-19,21,22, 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 |
| 14 | 114 GCA | 170 CGG | 95 | DQB1*03:02:01,02:02,02:04-02:09,02:11-02:14w,02:15-02:17,04:01,04:02,05:03,05:04, 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 |
| 15 | 146 GGC | 250 CTG | 145 | DQB1*03:02:01-02:11w,02:12-02:17,03:02:01-03:13,04:02,05:01-05:04, 06,08,10:01,10:02w-12, 14:02,15,17:01-18,20,25,26,30-34,37-41,43,62-64w,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 / *04:01:01-02:05w,02:06,02:07-08,10,12-25N,26,27 |
| 16 | 77 TCT | 170 CGT | 135 | DQB1*03:03:02:01-03:13,06,12,15,20,25,26,30,31,33,34,38-41,43,65, 74,79,86-90N,91Q,95N-99Q,104,105,111-113,117,123,124,126,136,137,141,145,149,155,156 / *02:03 / *04:03:01,03:02 / *06:03:10,51:01,66,96 |
| 17 | 77 TTA | 170 CGG | 135 | DQB1*03:04:01,04:02,14:01,14:02,80,138 |
| 18 | 75 CGG | 170 CGG | 135 | DQB1*03:05:01-05:04,61,132 |
| 19 | 77 TCT | 231 ACG | 195 | ***DQB1*03:06, 25 / *04:03:01, 03:02*** |
| 20 | 113 CGC | 146 CCA<br>208 CCC | 75<br>135 | ***DQB1*03:07***<br>DQB1*03:08,137 / *06:02:01-02:07,02:09-02:23,03:01-03:18,08:01-08:03,10-14:02,16, 19:01-21,23,26N,29,31,33,40,41,44,46,47,49,50,59-62w,63-65,67,68,70-75N,76,77N,78,80-84,87,90-92,95-97,106,107,109-112N,113-117,119,122-128,130,131,133,134,136-138,141,143,145-148,150-152,154,156,159,161-163,165,166 |
| 21 | 134 GGA | 503 CGG | 650 | ***DQB1*03:09*** *(sometimes a weak unspecific band at about 70bp)* |
| 22 | 40 GCC<br><br>79 TTC<br>112 ACA | 198 ACT | 200<br><br>160<br>125 | DQB1*03:11,26 / *05:01:01:01-01:18w,01:19,02:01-02:11,03:01:01-03:16,05:01-41N,42-50,53-76,78-87Q,88,89 / *06:05:01,05:02,06,20,31,156<br>DQB1*03:18<br>DQB1*03:20 / *05:28 |
| 23 | 38 GGC | 77 CAA | 80 | ***DQB1*03:12,70,74,78 / *06:122*** |
| 24 | 114 GCA | 167 CAA<br>189 TGC<br>200 GGT | 95<br>115<br>125 | ***DQB1*03:25,130w / *04:01:03***<br>***DQB1*03:15***<br>***DQB1*03:13*** (sometimes a weak unspecific band at about 900 bp) |
| 25 | 171 GAC | 389 ACT<br>397 CCA<br>508 GAT | 500<br>505<br>620 | DQB1*03:22<br>DQB1*03:21<br>DQB1*03:24,79 |
| 26 | 68 GCT | 231 ACG | 205 | DQB1*04:01:01-01:04,05-08,14-17 |

| Mix | 5´-Primer[1] | 3´- Primer[1] | bp | Specificity / *Spezifität* |
|---|---|---|---|---|
| 27 | 68 GCG | 231 ACG | 205 | DQB1*04:02:01-02:07,03:01,04,09-13,18-20w,21-25N,26,27 / *03:132 |
| 28 | 141 TAT | 216 GCT | 115 | DQB1*06:01:01-01:11,01:14,45,53,54N-57,98,99:02-102N,103-105,108,120,132,140,153,157, 167 |
| 29 | 88 GAT | 144 GCG | 95 | DQB1*06:02:01-02:04,02:06-02:15,02:17,02:18,02:20-02:23,09:02,10,11:01-11:03,13:01,15:01,15:02,16,19:02,20,22:03,24,29,33,37,46-51:02,68,70-75N,76,77N-84,94,95w-97,99:01,106,107,109,111,112N-118:01,122,124-127,130,131,136-138,146,147,150,151,159,161,166 / *03:02:05,23 |
| 30 | 88 GAT | 170 CAT | 125 | DQB1*06:01:08,02:01-02:11w,02:12-02:23,11:01,11:03,15:01,15:02,19:01-20,24,33,37,46-50,51:02,68,70-75N,76,77N-84,95,97,106w,107,109,111,112N,113-118:02,122,124-127,136-138,146,147,150-152,159,161,163,166 / *03:23 |
| 31 | 171 GAT | 259 GAA | 130 | DQB1*06:01:08,02:01-02:21w,02:22-03:09,03:11-03:17w,03:18,11:01-11:03,14:01,14:02, 16,19:01-20,23,24, 26N,28,30-33,37,40,41,44,47-50,51:02,59-62,64,65,67,68,70-72w, 73w-75N,76w,77N-84,87w,90,91,95,97,106,107,109-112N,113-117,122,124-128,131, 134,136-138,141,143,144N,145,147,148,150-152,154,156,159,161-163w,165,166 |
| 32 | 81 GTA | 208 CCT | 170 | DQB1*06:04:01-04:10,05:01,05:02,07:01,07:02,09:01-09:03,09:05,09:06,18:01,18:02, 22:02,25,27:01,27:02,32,34, 36,38,39,52,58,66,69,85,86,88,89,93,94,118:01,118:02, 121,129,135,142,155,158N,160,164 |
| 33 | 75 CGT | 170 CAA | 135 | DQB1*06:04:01-04:10,05:01,06,08:01-09:06,12-13:02,17,18:01,18:02,21-22:03, 27:01,27:02, 34,36, 38,39,42,52,55,58,69,85,86,88,89,93,94w,119,121,129,135,142,149,155, 158N,160,164 |
| 34 | 88 GAC | 257 ACC | 210 | DQB1*06:04:01-04:05,04:07-04:10,07:01,07:02,17,21,25,34,36,38,39,52,58, 69,85,86,89,92,93,135,149,155,158N,160,164 |
| 35 | 77 TCT | 257 ACC | 220 | DQB1*06:04:01-04:05,04:07-05:02,06?,07:01,07:02,09:01-09:06,12, 15:01,15:02,17,21-22:03,25,34,36, 38,39,42,46,52,58,66,69,85,86,88, 89,92-94,118:01-119,121,135,142,149,155,158N,160,164 |
| 36 | 40 GCA | 257 ACC | 260 | DQB1*06:04:01-04:05,04:07-04:10,07:01,07:02,09:01-09:06,12,15:01,15:02, 17,21-22:03,25,34, 36,38,39,42,46,52,66,69,86,88,89,92-94,118:01-119,121,135,142,149,155,158N,160,164 |
| 37 | 26 GTT | 211 GGT | 225 | DQB1*06:02:01-02:23,10,13:01-16,19:01-20, 22:01-23,29,33,37,46-51:01w,51:02,68-75N, 76,77N-84,95-97,106,107,109,111,112N-117,119,122-127,130,131w,136-139,146,147, 150-152,156,159,161-163,166 / *03:30,72,100 |
| 38 | 26 GTA | 259 GAA | 275 | DQB1*06:03:01-03:17w,03:18,06?,08:01-08:03,11:01-11:03,18:01,18:02,26N,27:01-28, 30-32,40,41,44,45,59-65,67,87,90,91,110,128,133,134,141,143,144N,145,148,154,165 / *05:73 |
| 39 | 114 GCG | 169 GCT | 95 | ***DQB1*05:05:01 / *06:10,25,130*** |
| 40 | 26 GTA | 88 GTA | 105 | DQB1*06:05:01, 05:02, 06?, 09:01-09:06,11:01-11:03,12,18:01,18:02,42,45,66, 88,94,118:01, 118:02,121,129,142 / *03:01:01:01-29,31-37,39-46w,47-51,53-66N,67-71,73-84N, 85-90N,91Q-95N,96-98,101-118N,119-126,128-131,133-158w,159,160w-167 / *04:04,05 / 05:04,52,77 |
| 41 | 26 GTT | 88 GTG | 105 | ***DQB1*06:14:01,14:02,69,156,162 / *05:38,62*** |
| 42 | 26 GTT | 178 GTT | 195 | ***DQB1*06:16*** |
| 43 | 77 TCT | 211 GGC | 175 | ***DQB1*06:17, 24, 30,42*** |
| 44 | 26 GTT | 141 CGA | 155 | DQB1*06:02:05,02:14w,19:01,139 / *03:30,72,100,132 / *04:01:01-02:04,02:06,02:08-03:02,06-08,10,11w-25N,26,27 / *05:38 |
| 45 | 40 GCC<br>85 CCT | 144 GCG | 145<br>100 | ***DQB1*06:20, 31***<br>***DQB1*06:26N,156 / *05:03:12*** |
| 46 | 77 GGG<br>33 TTA<br>91 ACG | 144 GCG | 110<br>150<br>95 | ***DQB1*06:23,156,162 / *05:03:12***<br>***DQB1*06:33***<br>***DQB1*06:40*** |
| 47 | 554 CAT | 573 GAC | 650 | DQB1*03:02:01-03:13, 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?-90N?,91Q, 95N-99Q,100,101?-112?,117,118N?,120?-138?,140?-163?,165?-167? / *04:01:01 ,01:02?-01:04?,02:01,02:02?-02:04?, 02:05,02:06?-02:08?,03:01?-25N?,26?,27? |
| 48 | | | | Kontaminationskontrolle / *Contamination control* |

[1] 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.*

[2] **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*06:01:12,35,43