

HISTO TYPE Celiac Disease, Lot: 619S1

Specificity table

Allele database: allele marsh HLADB_3.22.0

Primer Mix	Size of spec PCR product	Size of control band	Amplified specific alleles	Other amplified DQB1 alleles
1	220 bp	1070 bp	DRB1*03:01:01:01-03:01:03/03:01:05-03:41:02/03:43-03:75/03:77-03:83/03:85-03:86/03:88-03:91/03:93-03:94/03:95 ^W /03:96-03:110/03:112-03:124, 11:07/11:53/11:103:01-11:103:02/11:105/11:107/11:125/11:136/11:173, 14:104 ^W /14:111 ^W	DRB3*01:14
2	200 bp	1070 bp	DRB1*03:49, 04:01:01-04:05:10/04:05:11 ^W /04:05:13-04:05:16/04:05:17 ^W /04:05:18-04:62/04:64-04:109/04:111-04:160/04:162-04:202, 08:38, 11:102:01-11:102:02/11:175, 14:161 sometimes weak positive / manchmal schwach positiv	
3	140 bp	1070 bp	DRB1*07:01:01:01-07:01:01:02/07:01:02 ^W /07:01:03-07:01:18/07:03-07:21/07:23-07:66	
4	175 bp, 170 bp	1070 bp	DRB1*03:08/03:65, 11:01:01-11:11:01/11:11:03-11:21/11:23:01-11:29:02/11:31 ^W /11:32/11:33 ^W /11:34/11:35 ^W /11:36-11:37:02/11:39-11:51/11:52 ^W /11:53-11:64/11:65:01 ^W -11:65:02 ^W /11:66/11:68-11:70/11:72-11:95/11:96 ^W /11:97-11:129/11:130 ^W /11:131-11:191/11:194	
5	800 bp	430 bp	DQB1*02:01:01-02:01:23/02:04/02:05 [?] /02:07:01 [?] -02:09 [?] /02:13 [?] -02:52 [?] /02:53Q/02:54 [?] -02:61 [?] /02:63	
6	150 bp	1070 bp	DQB1*02:01:01-02:01:06/02:01:08-02:01:20/02:01:21 ^W /02:01:22-02:02:02/02:04-02:13/02:14:01 ^W -02:14:02 ^W /02:15-02:16/02:18N-02:32/02:33 ^W /02:34-02:48/02:49 ^W /02:50-02:64	
7	140 bp	1070 bp	DQB1*02:02:01:01-02:03/02:05 [?] /02:06 ^W /02:10-02:12/02:13 [?] /02:15 [?] -02:26 [?] /02:28 [?] -02:47 [?] /02:49 [?] -02:52 [?] /02:54-02:56/02:58N/02:60-02:62/02:64	
8	150 bp	1070 bp	DQB1*02:03, 04:02:02	
9	105 bp	1070 bp	DQB1*03:01:01:01-03:01:31/03:04:01-03:04:02/03:09/03:16/03:19/03:21-03:22/03:24/03:27-03:29/03:35-03:36/03:42/03:44/03:46-03:60/03:69/03:71/03:73-03:78/03:80/03:82-03:84N/03:92-03:94/03:101-03:103/03:108-03:109/03:113-03:116/03:118N-03:122/03:127-03:131/03:133 ^W /03:134-03:135/03:139-03:140/03:142-03:144/03:147-03:148/03:150-03:152/03:154/03:157-03:160/03:162-03:167/03:169-03:173/03:182/03:184/03:186 ^W -03:187 ^W /03:188/03:191-03:194/03:196-03:198/03:201-03:202/03:206-03:208, 06:145	

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Specificity table

Allele database: allele marsh HLADB_3.22.0

Primer Mix	Size of spec PCR product	Size of control band	Amplified specific alleles	Other amplified DQB1 alleles
10	200 bp	1070 bp	DQB1*03:01:01:01-03:01:31/03:04:01-03:04:02/03:09-03:10:02/03:12/03:14:01-03:14:02/03:16/03:19/03:21-03:22/03:24/03:27-03:29/03:35-03:36/03:42/03:44/03:46-03:60/03:70-03:71/03:73-03:78/03:80/03:82-03:84N/03:92-03:94/03:101-03:103/03:108-03:109/03:114-03:116/03:118N-03:122/03:127-03:131/03:133-03:135/03:139-03:140/03:143-03:144/03:147-03:148/03:150-03:152/03:154/03:157-03:160/03:162-03:167/03:169-03:173/03:179/03:182-03:183/03:186-03:188/03:191-03:198/03:201-03:202/03:206/03:208, 06:58/06:122/06:148	
11	185 bp	1070 bp	DQB1*03:01:01:01-03:01:24/03:01:25 [?] /03:01:26/03:01:27 [?] -03:01:28 [?] /03:01:29-03:01:31/03:02:18-03:02:19/03:04:01-03:04:02/03:10:01-03:10:02/03:11 [?] -03:15 [?] /03:16/03:17:01 [?] -03:18 [?] /03:19/03:20 [?] /03:21-03:22/03:23:01 [?] /03:23:02-03:24/03:26 [?] /03:27-03:29/03:35-03:36/03:37 [?] /03:40 [?] /03:42/03:44 [?] /03:46-03:47/03:48 [?] /03:49-03:51/03:52 [?] -03:71 [?] /03:73/03:74 [?] -03:78 [?] /03:80 [?] -03:84N [?] /03:92-03:94/03:101 [?] -03:112 [?] /03:113-03:116/03:118N [?] -03:163 [?] /03:164-03:165/03:166 [?] -03:167 [?] /03:169/03:170 [?] -03:179 [?] /03:182/03:183 [?] -03:185 [?] /03:186/03:187 [?] -03:189 [?] /03:191/03:192 [?] -03:194 [?] /03:196-03:198/03:201 [?] -03:205 [?] /03:206/03:207 [?] -03:215 [?] , 04:02:09/04:08/04:28-04:29/04:31-04:32, 05:01:20/05:02:13/05:03:17/05:91-05:95/05:97-05:101/05:109, 06:02:24/06:03:19/06:14:03/06:32:02/06:146:02/06:168-06:184/06:190-06:197	
12	120 bp	1070 bp	DQB1*03:02:01-03:02:19/03:04:01-03:05:04/03:07-03:08/03:11/03:14:01-03:14:02/03:18/03:32/03:37/03:45/03:61-03:64/03:66N-03:68/03:70/03:80-03:81/03:85/03:106-03:107/03:125/03:132/03:138/03:146/03:153 ^w /03:161 ^w /03:174-03:175/03:178-03:179/03:181/03:184/03:189-03:190/03:199/03:203-03:205/03:210-03:211/03:213N-03:215	
13	95 bp	1070 bp	DQB1*03:02:01-03:02:02/03:02:04-03:02:09/03:02:11-03:02:13/03:02:14 ^w /03:02:15-03:02:19/03:04:01-03:04:02/03:05:03-03:05:04/03:07-03:08/03:11/03:14:01-03:14:02/03:18/03:32/03:37/03:45/03:62-03:64/03:66N-03:68/03:70/03:80-03:81/03:85/03:106-03:107/03:125/03:138/03:146/03:153/03:161/03:174-03:175/03:178-03:179/03:184-03:185/03:189-03:190/03:199/03:203-03:205/03:210-03:211/03:213N-03:215	

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Specificity table

Allele database: allele marsh HLADB_3.22.0

Primer Mix	Size of spec PCR product	Size of control band	Amplified specific alleles	Other amplified DQB1 alleles
14	145 bp	1070 bp	DQB1*03:02:01-03:02:04/03:02:06-03:03:13/03:04:02-03:06/03:08/03:10:01-03:12/03:14:01 ^w /03:14:02-03:15/03:17:01-03:18/03:20/03:23:02/03:25-03:26/03:30-03:34/03:37-03:41/03:43/03:45/03:61-03:63/03:64 ^w /03:65-03:68/03:70/03:72/03:79/03:81/03:85-03:89/03:91Q/03:95N-03:100/03:104-03:107/03:110-03:112/03:117/03:123-03:126/03:132/03:136-03:138/03:141/03:145-03:146/03:149/03:153/03:155-03:156/03:161/03:168/03:174-03:175/03:176 ^w /03:177-03:181/03:183 ^w /03:189-03:190/03:195/03:199 ^w /03:200/03:203-03:205/03:209-03:215, 04:01:01-04:08/04:10/04:12-04:32	
15	135 bp	1070 bp	DQB1*03:01:01:01-03:01:01:03/03:01:03-03:01:06/03:01:08-03:02:02/03:02:04-03:03:02:04/03:03:04-03:04:02/03:05:03-03:05:04/03:07/03:09-03:17:01/03:18-03:19/03:21-03:22/03:23:02-03:24/03:26-03:57/03:58 ^w /03:59-03:60/03:62-03:64/03:66N-03:71/03:74/03:76-03:99Q/03:101-03:106/03:107 ^w /03:108-03:111/03:113-03:117/03:118N ^w /03:119-03:131/03:133-03:136/03:138-03:155/03:157-03:161/03:163-03:180/03:182/03:184-03:193/03:195-03:215, 06:04:08	
16	135 bp	1070 bp	DQB1*03:04:01-03:04:02/03:14:01-03:14:02/03:80/03:138	
17	260 bp, 225 bp	1070 bp	DQB1*05:01:01:01-05:01:17/05:01:18 ^w /05:01:19-05:03:09/05:03:10 ^w /05:03:11-05:33/05:34 ^w /05:35-05:43/05:44 ^w /05:45-05:50/05:52-05:71/05:72 ^w /05:73-05:92/05:93 ^w /05:94-05:109, 06:01:01-06:03:16/06:03:17 ^w /06:03:18-06:22:03/06:24-06:66/06:68-06:72/06:73 ^w /06:74-06:89/06:91-06:150/06:152-06:161/06:163-06:166/06:168/06:170/06:172-06:173/06:175-06:190/06:191 ^w /06:192-06:197	
18	105 bp	1070 bp	DQA1*02:01	
19	125 bp	1070 bp	DQA1*03:01:01/03:01:03-03:03:02	
20	235 bp	1070 bp	DQA1*05:01:01:01-05:01:01:02/05:01:02 [?] /05:03/05:04 [?] /05:06-05:07	
21	205 bp, 90 bp	1070 bp	DQA1*05:02/05:04	
22	200 bp	1070 bp	DQA1*05:03/05:06-05:07	
23	235 bp	1070 bp	DQA1*05:02/05:04 [?] /05:05:01:01-05:05:01:03/05:08-05:11	
24			Contamination Control	