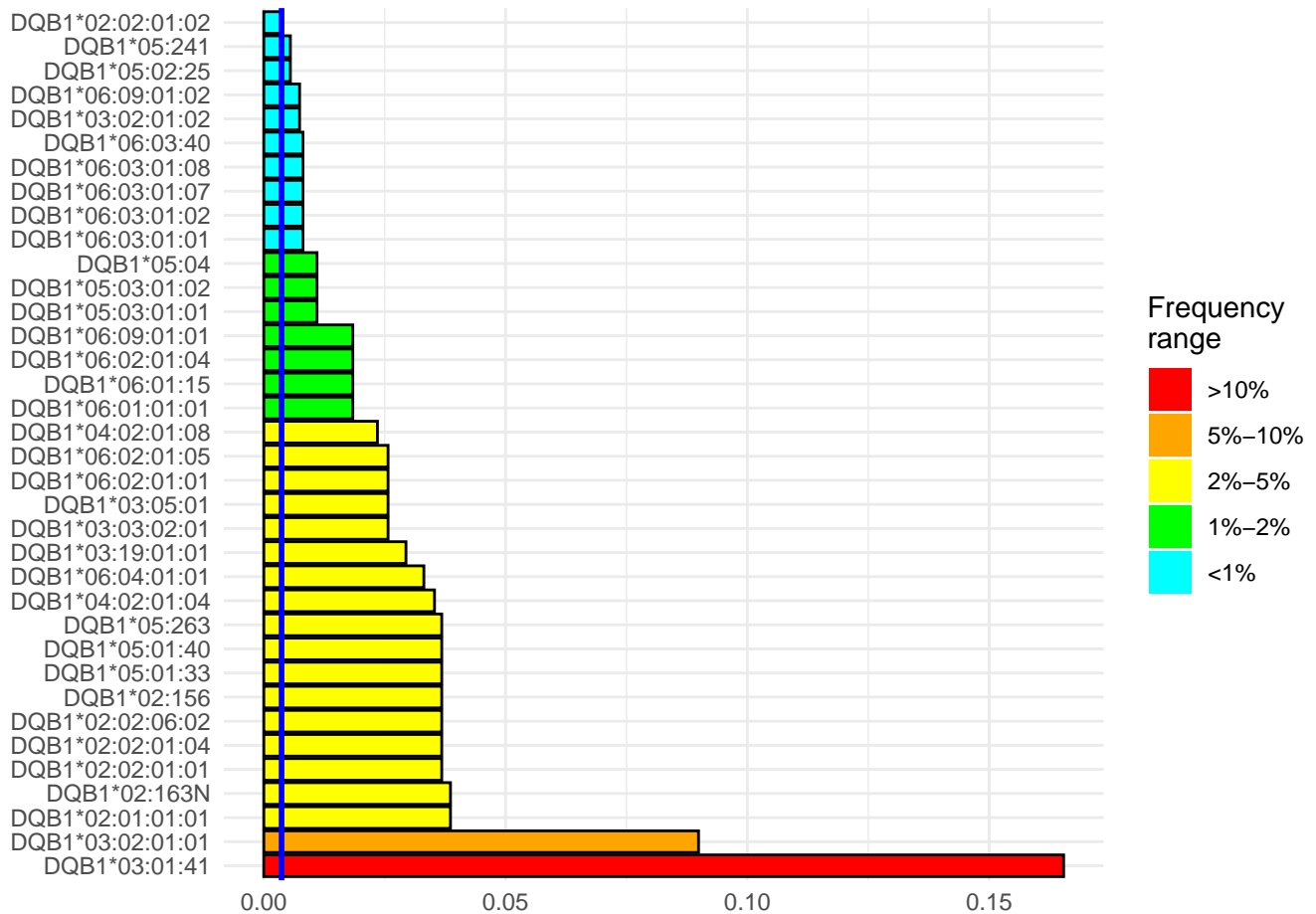


# Summary results for HLA-DQB1 in TUN



Sample size: 136

Estimated heterozygosity: 0.9434

Hardy–Weinberg equilibrium test p–value: 1

Ewens–Watterson–Slatkin neutrality test: FDR p.adj min: 0.001 max: 0.037

There are 5 low frequency alleles or haplotypes not shown above.

Follows the complete list of alleles, including those with lower and null frequencies not shown before.

	Allele or Haplotype Name	Frequency Estimate
1	DQB1*03:01:01:03	0.0000
2	DQB1*03:297	0.0000
3	DQB1*03:419	0.0000
4	DQB1*03:01:01:02	0.0000
5	DQB1*05:01:01:01	0.0000
6	DQB1*05:237	0.0000
7	DQB1*03:01:01:01	0.0000
8	DQB1*03:01:01:10	0.0000
9	DQB1*03:01:01:20	0.0000
10	DQB1*03:01:43	0.0000
11	DQB1*03:276N	0.0000
12	DQB1*05:01:01:03	0.0000
13	DQB1*05:01:01:09	0.0000
14	DQB1*05:01:01:11	0.0000
15	DQB1*04:02:01:06	0.0000
16	DQB1*05:02:01:04	0.0000
17	DQB1*05:02:01:08	0.0000
18	DQB1*05:01:01:05	0.0000
19	DQB1*05:02:01:01	0.0000
20	DQB1*03:01:01:18	0.0000
21	DQB1*05:01:01:02	0.0000
22	DQB1*03:02:01:04	0.0000
23	DQB1*03:01:01:05	0.0000
24	DQB1*03:01:01:16	0.0000
25	DQB1*06:02:01:08	0.0000
26	DQB1*03:289	0.0010
27	DQB1*03:416	0.0010
28	DQB1*02:01:08	0.0018
29	DQB1*02:02:03	0.0018
30	DQB1*02:02:01:02	0.0037
31	DQB1*02:02:05	0.0037
32	DQB1*05:02:25	0.0055
33	DQB1*05:241	0.0055
34	DQB1*06:09:01:02	0.0074
35	DQB1*03:02:01:02	0.0074
36	DQB1*06:03:01:01	0.0081

	Allele or Haplotype Name	Frequency Estimate
37	DQB1*06:03:01:02	0.0081
38	DQB1*06:03:01:07	0.0081
39	DQB1*06:03:01:08	0.0081
40	DQB1*06:03:40	0.0081
41	DQB1*05:03:01:01	0.0110
42	DQB1*05:03:01:02	0.0110
43	DQB1*05:04	0.0110
44	DQB1*06:01:01:01	0.0184
45	DQB1*06:01:15	0.0184
46	DQB1*06:09:01:01	0.0184
47	DQB1*06:02:01:04	0.0184
48	DQB1*04:02:01:08	0.0235
49	DQB1*03:03:02:01	0.0257
50	DQB1*03:05:01	0.0257
51	DQB1*06:02:01:01	0.0257
52	DQB1*06:02:01:05	0.0257
53	DQB1*03:19:01:01	0.0294
54	DQB1*06:04:01:01	0.0331
55	DQB1*04:02:01:04	0.0353
56	DQB1*02:02:01:01	0.0368
57	DQB1*02:02:01:04	0.0368
58	DQB1*02:02:06:02	0.0368
59	DQB1*02:156	0.0368
60	DQB1*05:01:33	0.0368
61	DQB1*05:01:40	0.0368
62	DQB1*05:263	0.0368
63	DQB1*02:01:01:01	0.0386
64	DQB1*02:163N	0.0386
65	DQB1*03:02:01:01	0.0899
66	DQB1*03:01:41	0.1654