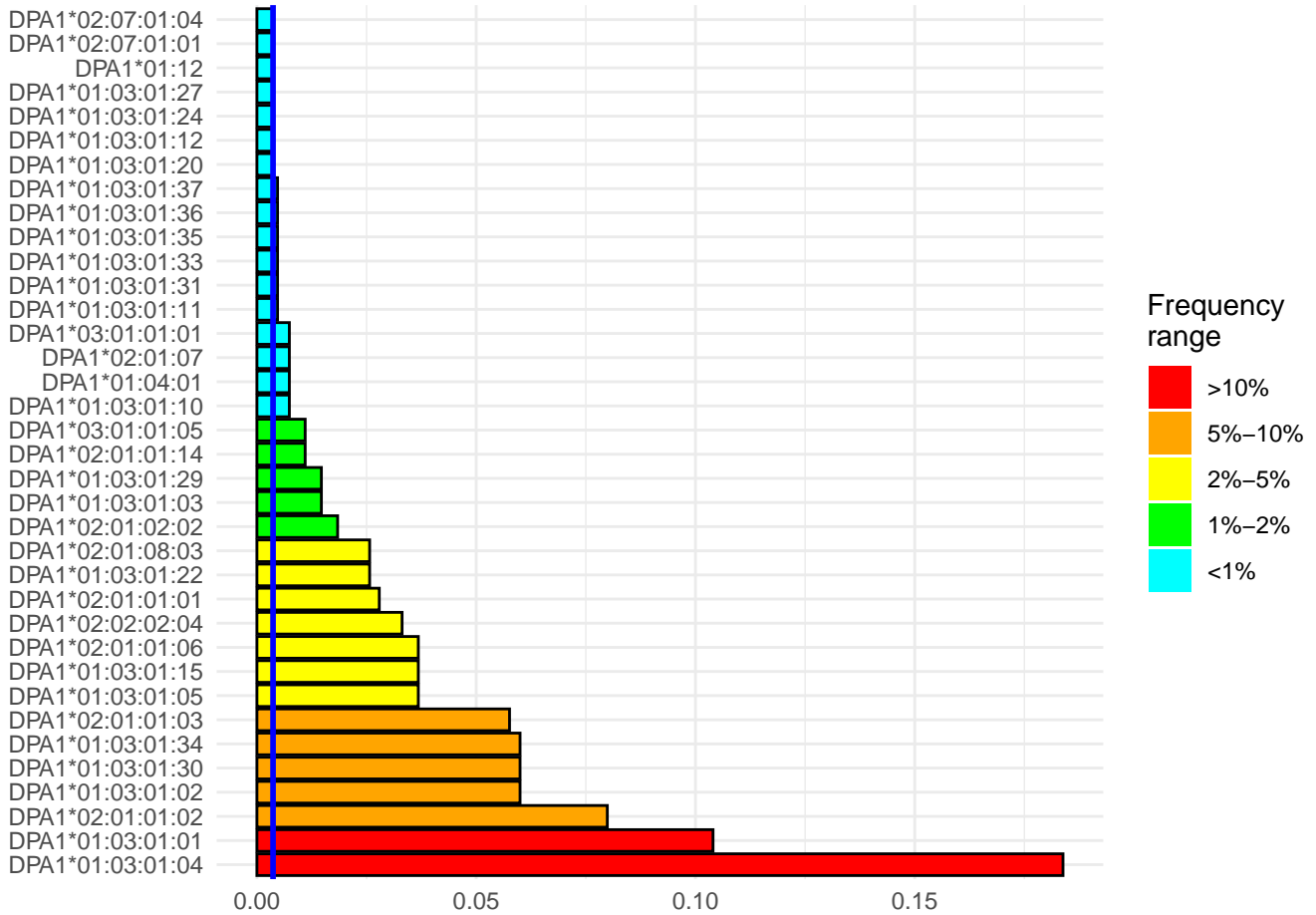


Summary results for HLA-DPA1 in TUN



Sample size: 136

Estimated heterozygosity: 0.9261

Hardy-Weinberg equilibrium test p-value: 0.7896708

Ewens-Watterson-Slatkin neutrality test: FDR p.adj min: 0.585 max: 0.996

There are 7 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	DPA1*01:03:01:14	0.0000
2	DPA1*02:39	0.0000
3	DPA1*01:03:08	0.0000
4	DPA1*01:03:09	0.0000
5	DPA1*01:03:16	0.0000
6	DPA1*01:14	0.0000
7	DPA1*01:34	0.0000
8	DPA1*01:44	0.0000
9	DPA1*01:45	0.0000
10	DPA1*01:03:18	0.0000
11	DPA1*01:18	0.0000
12	DPA1*01:28	0.0000
13	DPA1*01:36	0.0000
14	DPA1*01:37	0.0000
15	DPA1*01:48	0.0000
16	DPA1*02:02:02:01	0.0025
17	DPA1*02:02:02:02	0.0025
18	DPA1*02:02:02:03	0.0025
19	DPA1*02:02:02:08	0.0025
20	DPA1*02:02:02:10	0.0025
21	DPA1*02:02:02:11	0.0025
22	DPA1*01:03:01:24	0.0037
23	DPA1*01:03:01:12	0.0037
24	DPA1*01:12	0.0037
25	DPA1*01:03:01:27	0.0037
26	DPA1*02:07:01:01	0.0037
27	DPA1*02:07:01:04	0.0037
28	DPA1*01:03:27	0.0037
29	DPA1*01:03:01:20	0.0038
30	DPA1*01:03:01:11	0.0047
31	DPA1*01:03:01:31	0.0047
32	DPA1*01:03:01:33	0.0047
33	DPA1*01:03:01:35	0.0047
34	DPA1*01:03:01:36	0.0047
35	DPA1*01:03:01:37	0.0047
36	DPA1*02:01:07	0.0074

	Allele or Haplotype Name	Frequency Estimate
37	DPA1*03:01:01:01	0.0074
38	DPA1*01:03:01:10	0.0074
39	DPA1*01:04:01	0.0074
40	DPA1*03:01:01:05	0.0110
41	DPA1*02:01:01:14	0.0110
42	DPA1*01:03:01:03	0.0147
43	DPA1*01:03:01:29	0.0147
44	DPA1*02:01:02:02	0.0184
45	DPA1*01:03:01:22	0.0257
46	DPA1*02:01:08:03	0.0257
47	DPA1*02:01:01:01	0.0279
48	DPA1*02:02:02:04	0.0331
49	DPA1*01:03:01:05	0.0368
50	DPA1*01:03:01:15	0.0368
51	DPA1*02:01:01:06	0.0368
52	DPA1*02:01:01:03	0.0576
53	DPA1*01:03:01:02	0.0600
54	DPA1*01:03:01:30	0.0600
55	DPA1*01:03:01:34	0.0600
56	DPA1*02:01:01:02	0.0799
57	DPA1*01:03:01:01	0.1040
58	DPA1*01:03:01:04	0.1838