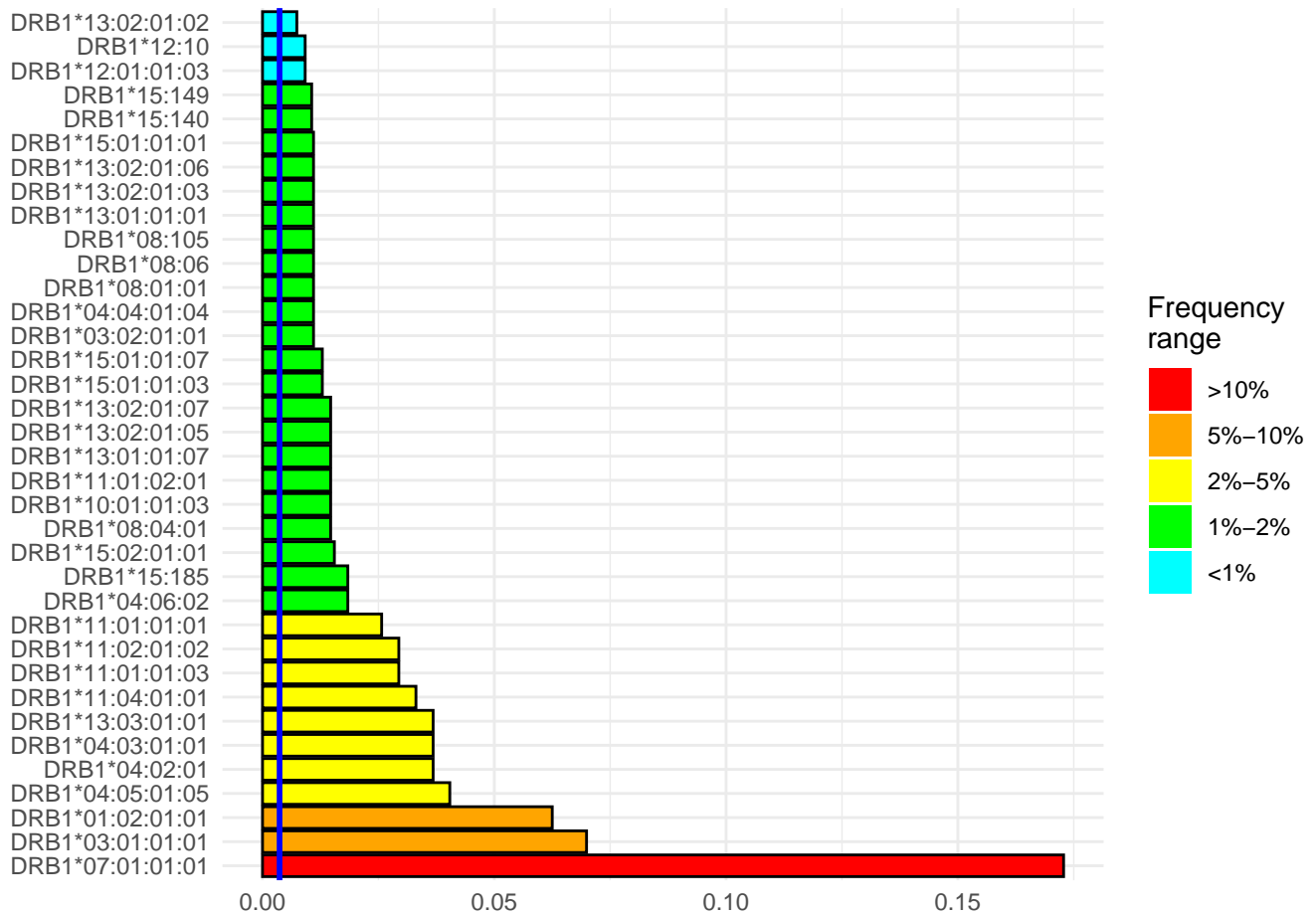


Summary results for HLA-DRB1 in TUN



Sample size: 136

Estimated heterozygosity: 0.9475

Hardy–Weinberg equilibrium test p–value: 0.7646342

Ewens–Watterson–Slatkin neutrality test: FDR p.adj min: 0.254 max: 0.900

There are 33 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	DRB1*15:02:01:02	0.0000
2	DRB1*11:277	0.0000
3	DRB1*04:03:01:03	0.0000
4	DRB1*03:01:08	0.0000
5	DRB1*11:01:30	0.0000
6	DRB1*15:03:01:02	0.0000
7	DRB1*15:03:01:03	0.0000
8	DRB1*15:02:01:03	0.0000
9	DRB1*12:01:01:02	0.0000
10	DRB1*12:01:01:08	0.0000
11	DRB1*15:03:01:01	0.0000
12	DRB1*13:03:09	0.0000
13	DRB1*13:01:19	0.0000
14	DRB1*03:02:05	0.0000
15	DRB1*09:01:02:01	0.0007
16	DRB1*09:01:02:02	0.0007
17	DRB1*09:01:02:03	0.0007
18	DRB1*09:01:02:04	0.0007
19	DRB1*09:01:02:05	0.0007
20	DRB1*13:01:01:03	0.0018
21	DRB1*13:01:01:04	0.0018
22	DRB1*04:01:01:01	0.0018
23	DRB1*04:01:01:04	0.0018
24	DRB1*10:01:01:01	0.0018
25	DRB1*10:01:01:02	0.0018
26	DRB1*13:01:01:02	0.0025
27	DRB1*13:01:01:06	0.0025
28	DRB1*13:01:01:08	0.0025
29	DRB1*15:01:01:02	0.0037
30	DRB1*15:01:01:08	0.0037
31	DRB1*03:01:01:02	0.0037
32	DRB1*13:02:01:01	0.0037
33	DRB1*14:54:01:08	0.0037
34	DRB1*14:04:01:02	0.0037
35	DRB1*14:17	0.0037
36	DRB1*16:01:01	0.0037

	Allele or Haplotype Name	Frequency Estimate
37	DRB1*04:05:01:02	0.0037
38	DRB1*04:07:01:01	0.0037
39	DRB1*14:54:01:12	0.0037
40	DRB1*01:01:01:01	0.0049
41	DRB1*01:01:01:02	0.0049
42	DRB1*01:01:01:03	0.0049
43	DRB1*13:02:01:02	0.0074
44	DRB1*14:01:01	0.0074
45	DRB1*14:54:01:09	0.0074
46	DRB1*03:01:01:03	0.0074
47	DRB1*11:03:01	0.0074
48	DRB1*01:02:01:02	0.0074
49	DRB1*12:01:01:03	0.0092
50	DRB1*12:10	0.0092
51	DRB1*15:140	0.0106
52	DRB1*15:149	0.0106
53	DRB1*13:02:01:03	0.0110
54	DRB1*13:02:01:06	0.0110
55	DRB1*08:01:01	0.0110
56	DRB1*08:105	0.0110
57	DRB1*04:04:01:04	0.0110
58	DRB1*13:01:01:01	0.0110
59	DRB1*15:01:01:01	0.0110
60	DRB1*08:06	0.0110
61	DRB1*03:02:01:01	0.0110
62	DRB1*15:01:01:03	0.0129
63	DRB1*15:01:01:07	0.0129
64	DRB1*13:02:01:05	0.0147
65	DRB1*08:04:01	0.0147
66	DRB1*11:01:02:01	0.0147
67	DRB1*13:01:01:07	0.0147
68	DRB1*13:02:01:07	0.0147
69	DRB1*10:01:01:03	0.0147
70	DRB1*15:02:01:01	0.0155
71	DRB1*04:06:02	0.0184
72	DRB1*15:185	0.0184

	Allele or Haplotype Name	Frequency Estimate
73	DRB1*11:01:01:01	0.0257
74	DRB1*11:01:01:03	0.0294
75	DRB1*11:02:01:02	0.0294
76	DRB1*11:04:01:01	0.0331
77	DRB1*13:03:01:01	0.0368
78	DRB1*04:03:01:01	0.0368
79	DRB1*04:02:01	0.0368
80	DRB1*04:05:01:05	0.0404
81	DRB1*01:02:01:01	0.0625
82	DRB1*03:01:01:01	0.0699
83	DRB1*07:01:01:01	0.1728