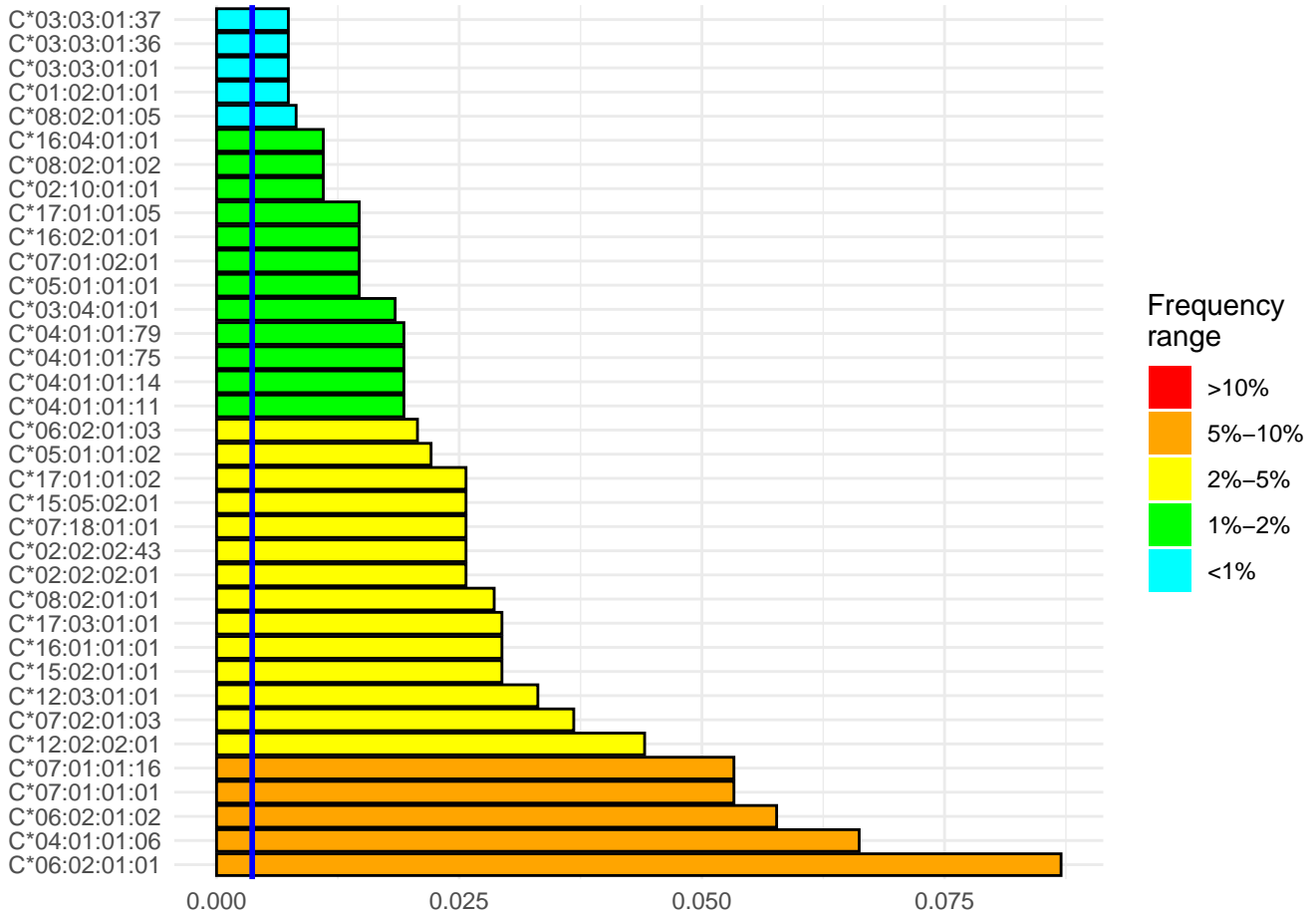


Summary results for HLA-C in TUN



Sample size: 136

Estimated heterozygosity: 0.9635

Hardy-Weinberg equilibrium test p-value: 0.1048453

Ewens-Watterson-Slatkin neutrality test: FDR p.adj min: 0.000 max: 0.035

There are 15 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	C*04:360	0
2	C*18:02:01:01	0
3	C*18:02:01:02	0
4	C*16:02:01:02	0
5	C*16:02:01:04	0
6	C*15:05:02:02	0
7	C*15:05:02:04	0
8	C*15:05:02:05	0
9	C*15:05:02:06	0
10	C*15:05:02:07	0
11	C*06:02:01:08	0
12	C*06:02:01:10	0
13	C*06:02:01:11	0
14	C*06:02:01:18	0
15	C*06:02:01:21	0
16	C*06:02:01:24	0
17	C*06:02:01:25	0
18	C*06:02:01:26	0
19	C*06:02:01:27	0
20	C*06:02:01:28	0
21	C*06:02:01:29	0
22	C*06:02:01:30	0
23	C*06:02:01:31	0
24	C*06:02:01:32	0
25	C*06:02:01:34	0
26	C*06:02:01:35	0
27	C*06:02:01:36	0
28	C*06:02:01:37	0
29	C*06:02:01:38	0
30	C*06:02:01:39	0
31	C*06:02:01:44	0
32	C*06:02:01:45	0
33	C*06:02:01:49	0
34	C*04:01:01:02	0
35	C*04:01:01:07	0
36	C*04:01:01:10	0

	Allele or Haplotype Name	Frequency Estimate
37	C*04:01:01:101	0
38	C*04:01:01:104	0
39	C*04:01:01:105	0
40	C*04:01:01:106	0
41	C*04:01:01:15	0
42	C*04:01:01:16	0
43	C*04:01:01:17	0
44	C*04:01:01:19	0
45	C*04:01:01:20	0
46	C*04:01:01:21	0
47	C*04:01:01:22	0
48	C*04:01:01:23	0
49	C*04:01:01:31	0
50	C*04:01:01:34	0
51	C*04:01:01:51	0
52	C*04:01:01:76	0
53	C*04:01:01:78	0
54	C*04:01:01:81	0
55	C*04:01:01:87	0
56	C*04:01:01:90	0
57	C*04:01:01:94	0
58	C*04:01:01:95	0
59	C*03:03:01:38	0
60	C*08:02:01:07	0
61	C*08:02:01:12	0
62	C*08:02:01:21	0
63	C*08:02:01:23	0
64	C*08:02:01:24	0
65	C*08:02:01:25	0
66	C*08:02:01:28	0
67	C*08:02:01:29	0
68	C*08:02:01:31	0
69	C*08:02:01:32	0
70	C*08:02:01:04	0
71	C*08:02:01:06	0
72	C*08:02:01:08	0

	Allele or Haplotype Name	Frequency Estimate
73	C*08:02:01:09	0
74	C*08:02:01:10	0
75	C*08:02:01:11	0
76	C*08:02:01:13	0
77	C*08:02:01:15	0
78	C*08:02:01:16	0
79	C*08:02:01:17	0
80	C*08:02:01:18	0
81	C*08:02:01:19	0
82	C*08:02:01:20	0
83	C*08:02:01:22	0
84	C*08:02:01:26	0
85	C*08:02:01:30	0
86	C*17:03:01:02	0
87	C*17:03:01:04	0
88	C*17:03:01:05	0
89	C*04:01:01:27	0
90	C*04:01:01:28	0
91	C*04:01:01:29	0
92	C*04:01:01:40	0
93	C*04:01:01:43	0
94	C*04:01:01:44	0
95	C*04:01:01:45	0
96	C*04:01:01:46	0
97	C*04:01:01:49	0
98	C*04:01:01:56	0
99	C*04:01:01:61	0
100	C*04:01:01:73	0
101	C*04:01:01:86	0
102	C*05:01:01:16	0
103	C*05:01:01:22	0
104	C*05:01:01:27	0
105	C*05:01:01:30	0
106	C*05:01:01:38	0
107	C*15:02:01:02	0
108	C*15:02:01:03	0

	Allele or Haplotype Name	Frequency Estimate
109	C*15:02:01:04	0
110	C*15:02:01:05	0
111	C*15:02:01:06	0
112	C*15:02:01:07	0
113	C*15:02:01:08N	0
114	C*15:02:01:11	0
115	C*15:02:01:12	0
116	C*15:02:01:13	0
117	C*15:02:01:14	0
118	C*15:02:01:15	0
119	C*15:02:01:16	0
120	C*15:02:01:19	0
121	C*15:02:01:20	0
122	C*15:02:01:21	0
123	C*15:02:01:22	0
124	C*15:02:01:23	0
125	C*15:02:01:24	0
126	C*15:02:01:25	0
127	C*15:02:01:27	0
128	C*15:02:01:28	0
129	C*15:02:01:29	0
130	C*15:02:01:30Q	0
131	C*15:02:01:31	0
132	C*12:03:01:02	0
133	C*12:03:01:03	0
134	C*12:03:01:05	0
135	C*12:03:01:06	0
136	C*12:03:01:07	0
137	C*12:03:01:08	0
138	C*12:03:01:09	0
139	C*12:03:01:10	0
140	C*12:03:01:11	0
141	C*12:03:01:12	0
142	C*12:03:01:13	0
143	C*12:03:01:15	0
144	C*12:03:01:16	0

	Allele or Haplotype Name	Frequency Estimate
145	C*12:03:01:17	0
146	C*12:03:01:19	0
147	C*12:03:01:21	0
148	C*12:03:01:22	0
149	C*12:03:01:23	0
150	C*12:03:01:25	0
151	C*12:03:01:26	0
152	C*12:03:01:27	0
153	C*12:03:01:28	0
154	C*12:03:01:30	0
155	C*12:03:01:32	0
156	C*12:03:01:34	0
157	C*12:03:01:35	0
158	C*12:03:01:37	0
159	C*12:03:01:38	0
160	C*12:03:01:39	0
161	C*02:10:01:02	0
162	C*02:10:01:03	0
163	C*02:10:01:04	0
164	C*02:10:01:06	0
165	C*02:10:01:07	0
166	C*02:10:01:08	0
167	C*02:10:01:09	0
168	C*02:10:01:10	0
169	C*02:10:01:11	0
170	C*02:10:01:13	0
171	C*02:10:01:14	0
172	C*02:10:01:15	0
173	C*02:10:01:16	0
174	C*16:01:01:15	0
175	C*07:02:01:09	0
176	C*07:02:01:10	0
177	C*07:02:01:11	0
178	C*07:02:01:111	0
179	C*07:02:01:112	0
180	C*07:02:01:115	0

	Allele or Haplotype Name	Frequency Estimate
181	C*07:02:01:12	0.0000
182	C*07:02:01:13	0.0000
183	C*07:02:01:16	0.0000
184	C*07:02:01:21	0.0000
185	C*07:02:01:23	0.0000
186	C*07:02:01:24	0.0000
187	C*07:02:01:27	0.0000
188	C*07:02:01:29	0.0000
189	C*07:02:01:32	0.0000
190	C*07:02:01:33	0.0000
191	C*07:02:01:35	0.0000
192	C*07:02:01:36	0.0000
193	C*07:02:01:54	0.0000
194	C*07:02:01:55	0.0000
195	C*07:02:01:56	0.0000
196	C*07:02:01:58	0.0000
197	C*07:02:01:66	0.0000
198	C*07:02:01:67	0.0000
199	C*07:02:01:68	0.0000
200	C*07:02:01:70	0.0000
201	C*07:02:01:71	0.0000
202	C*07:02:01:74Q	0.0000
203	C*07:02:01:75	0.0000
204	C*12:02:02:10	0.0000
205	C*12:02:02:11	0.0000
206	C*07:04:01:01	0.0018
207	C*07:04:01:03	0.0018
208	C*04:01:01:92	0.0037
209	C*07:01:01:08	0.0037
210	C*07:783	0.0037
211	C*07:01:01:09	0.0037
212	C*17:03:01:03	0.0037
213	C*07:02:01:01	0.0037
214	C*07:02:01:107	0.0037
215	C*15:06:01	0.0037
216	C*14:02:01:02	0.0037

	Allele or Haplotype Name	Frequency Estimate
217	C*03:04:02:01	0.0037
218	C*04:01:01:08	0.0039
219	C*03:04:01:02	0.0055
220	C*03:04:01:12	0.0055
221	C*03:03:01:01	0.0074
222	C*03:03:01:36	0.0074
223	C*03:03:01:37	0.0074
224	C*01:02:01:01	0.0074
225	C*08:02:01:05	0.0082
226	C*08:02:01:02	0.0110
227	C*16:04:01:01	0.0110
228	C*02:10:01:01	0.0110
229	C*07:01:02:01	0.0147
230	C*16:02:01:01	0.0147
231	C*05:01:01:01	0.0147
232	C*17:01:01:05	0.0147
233	C*03:04:01:01	0.0184
234	C*04:01:01:11	0.0193
235	C*04:01:01:14	0.0193
236	C*04:01:01:75	0.0193
237	C*04:01:01:79	0.0193
238	C*06:02:01:03	0.0207
239	C*05:01:01:02	0.0221
240	C*17:01:01:02	0.0257
241	C*15:05:02:01	0.0257
242	C*02:02:02:01	0.0257
243	C*02:02:02:43	0.0257
244	C*07:18:01:01	0.0257
245	C*08:02:01:01	0.0286
246	C*16:01:01:01	0.0294
247	C*17:03:01:01	0.0294
248	C*15:02:01:01	0.0294
249	C*12:03:01:01	0.0331
250	C*07:02:01:03	0.0368
251	C*12:02:02:01	0.0441
252	C*07:01:01:01	0.0533

	Allele or Haplotype Name	Frequency Estimate
253	C*07:01:01:16	0.0533
254	C*06:02:01:02	0.0577
255	C*04:01:01:06	0.0662
256	C*06:02:01:01	0.0870