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Features & Coordinates				NIST's GiaB Variants www.genomeinabottle.org				Crystal Genetics' Variants www.crystalgenetics.com			
idx	gene	chr	position	varcall	ref	alt	var filter	varcall	ref	alt	var filter
1	BRCA1	17	41,196,408	1	G	A	0/1 PASS	1	G	A	0/1 PASS
2	BRCA1	17	41,196,821	0	-	-	-	1	CTT	C	0/1 PASS
3	BRCA1	17	41,197,274	1	C	A	0/1 PASS	1	C	A	0/1 PASS
4	BRCA1	17	41,198,621	1	A	G	0/1 PASS	1	A	G	0/1 PASS
5	BRCA1	17	41,198,774	0	-	-	-	1	C	CA	0/1 PASS
6	BRCA1	17	41,199,913	1	T	C	0/1 PASS	1	T	C	0/1 PASS
7	BRCA1	17	41,200,109	1	T	C	0/1 PASS	1	T	C	0/1 PASS
8	BRCA1	17	41,200,537	0	-	-	-	1	T	C,TT	1/2 PASS
9	BRCA1	17	41,200,704	1	GT	G	0/1 PASS	1	GT	G	0/1 PASS
10	BRCA1	17	41,201,702	1	C	T	0/1 PASS	1	C	T	0/1 PASS
11	BRCA1	17	41,202,688	1	G	A	0/1 PASS	1	G	A	0/1 PASS
12	BRCA1	17	41,203,325	1	T	A	0/1 PASS	1	T	A	0/1 PASS
13	BRCA1	17	41,203,591	1	T	C	0/1 PASS	1	T	C	0/1 PASS
14	BRCA1	17	41,204,377	1	A	G	0/1 PASS	1	A	G	0/1 PASS
15	BRCA1	17	41,204,383	0	-	-	-	1	G	T	0/1 PASS
16	BRCA1	17	41,204,390	1	T	C	0/1 PASS	1	T	C	0/1 PASS
17	BRCA1	17	41,204,836	0	-	-	-	1	ACACACT	A	1/1 PASS
18	BRCA1	17	41,204,842	0	-	-	-	1	T	A	1/1 PASS
19	BRCA1	17	41,204,845	0	-	-	-	1	CTT	T	1/1 PASS
20	BRCA1	17	41,204,856	0	-	-	-	1	G	A	0/1 PASS
21	BRCA1	17	41,205,772	1	G	A	0/1 PASS	1	G	A	0/1 PASS
22	BRCA1	17	41,205,941	1	A	G	0/1 PASS	1	A	G	0/1 PASS
23	BRCA1	17	41,206,056	1	T	C	0/1 PASS	1	T	C	0/1 PASS
24	BRCA1	17	41,206,777	0	-	-	-	1	TG	G	0/1 PASS
25	BRCA1	17	41,209,578	1	T	C	0/1 PASS	1	T	C	0/1 PASS
26	BRCA1	17	41,210,396	1	A	C	0/1 PASS	1	A	C	0/1 PASS
27	BRCA1	17	41,211,486	1	CACA	CACAACA,C	2 1 PASS	0	-	-	-
28	BRCA1	17	41,211,488	0	-	-	-	1	CAAC	CAACAAC,C	1/2 PASS
29	BRCA1	17	41,211,653	1	A	G	0/1 PASS	1	A	G	0/1 PASS
30	BRCA1	17	41,212,169	1	C	T	0/1 PASS	1	C	T	0/1 PASS
31	BRCA1	17	41,212,338	1	A	C	0/1 PASS	1	A	C	0/1 PASS
32	BRCA1	17	41,212,547	1	C	T	0/1 PASS	1	C	T	0/1 PASS
33	BRCA1	17	41,212,805	1	C	T	0/1 PASS	1	C	T	0/1 PASS
34	BRCA1	17	41,213,602	1	CT	C	0/1 PASS	0	-	-	-
35	BRCA1	17	41,213,617	0	-	-	-	1	TA	A	0/1 PASS
36	BRCA1	17	41,213,620	0	-	-	-	1	G	A	0/1 PASS
37	BRCA1	17	41,213,626	1	G	T	0/1 PASS	1	G	T	0/1 PASS
38	BRCA1	17	41,213,660	1	T	C	0/1 PASS	1	T	C	0/1 PASS
39	BRCA1	17	41,213,748	1	T	C	0/1 PASS	1	T	C	0/1 PASS

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40	BRCA1	17	41,213,893	1	C	T	0/1	PASS	1	C	T	0/1	PASS
41	BRCA1	17	41,213,996	1	C	T	0/1	PASS	1	C	T	0/1	PASS
42	BRCA1	17	41,214,209	1	CAA	C	0/1	PASS	0	-	-	-	-
43	BRCA1	17	41,214,210	0	-	-	-	-	1	AAG	G	0/1	PASS
44	BRCA1	17	41,215,825	1	C	T	0/1	PASS	1	C	T	0/1	PASS
45	BRCA1	17	41,216,205	1	G	T	0/1	PASS	1	G	T	0/1	PASS
46	BRCA1	17	41,216,865	0	-	-	-	-	1	TG	G	0/1	PASS
47	BRCA1	17	41,216,933	1	T	C	0/1	PASS	1	T	C	0/1	PASS
48	BRCA1	17	41,217,874	1	C	T	0/1	PASS	1	C	T	0/1	PASS
49	BRCA1	17	41,218,333	1	G	A	0/1	PASS	1	G	A	0/1	PASS
50	BRCA1	17	41,218,572	1	T	C	0/1	PASS	1	T	C	0/1	PASS
51	BRCA1	17	41,219,341	1	G	T	0/1	PASS	1	G	T	0/1	PASS
52	BRCA1	17	41,219,560	1	C	T	0/1	PASS	1	C	T	0/1	PASS
53	BRCA1	17	41,219,780	1	T	C	0/1	PASS	1	T	C	0/1	PASS
54	BRCA1	17	41,219,804	0	-	-	-	-	1	T	C	0/1	PASS
55	BRCA1	17	41,220,223	1	A	G	0/1	PASS	1	A	G	0/1	PASS
56	BRCA1	17	41,222,462	1	A	G	0/1	PASS	1	A	G	0/1	PASS
57	BRCA1	17	41,222,723	1	T	C	0/1	PASS	1	T	C	0/1	PASS
58	BRCA1	17	41,223,094	1	T	C	0/1	PASS	1	T	C	0/1	PASS
59	BRCA1	17	41,223,538	1	G	GAATGTTCACTGTAACAATGCTTGT	0/1	PASS	1	G	GAATGTTCACTGTAACAATGCTTGT	0/1	PASS
60	BRCA1	17	41,224,833	1	G	C	0/1	PASS	1	G	C	0/1	PASS
61	BRCA1	17	41,225,781	0	-	-	-	-	1	A	T	0/1	PASS
62	BRCA1	17	41,225,783	0	-	-	-	-	1	A	T	0/1	PASS
63	BRCA1	17	41,225,839	1	T	C	0/1	PASS	1	T	C	0/1	PASS
64	BRCA1	17	41,226,601	1	G	C	0/1	PASS	1	G	C	0/1	PASS
65	BRCA1	17	41,226,675	1	A	T	0/1	PASS	1	A	T	0/1	PASS
66	BRCA1	17	41,226,736	1	GGGGTT	G	0/1	PASS	1	GGGGTT	G	0/1	PASS
67	BRCA1	17	41,227,083	1	C	CGGAA	0/1	PASS	1	C	CGGAA	0/1	PASS
68	BRCA1	17	41,227,593	0	-	-	-	-	1	G	TG	0/1	PASS
69	BRCA1	17	41,229,352	1	C	CT	0/1	PASS	0	-	-	-	-
70	BRCA1	17	41,229,365	0	-	-	-	-	1	G	GT	0/1	PASS
71	BRCA1	17	41,229,386	1	T	C	0/1	PASS	1	T	C	0/1	PASS
72	BRCA1	17	41,229,760	1	AT	A	0/1	PASS	0	-	-	-	-
73	BRCA1	17	41,229,762	0	-	-	-	-	1	TT	A	0/1	PASS
74	BRCA1	17	41,229,763	1	T	A	0/1	PASS	0	-	-	-	-
75	BRCA1	17	41,229,773	1	T	C	0/1	PASS	1	T	C	0/1	PASS
76	BRCA1	17	41,229,777	1	G	GT	1/1	PASS	0	-	-	-	-
77	BRCA1	17	41,229,780	0	-	-	-	-	1	G	GT	0/1	PASS
78	BRCA1	17	41,229,812	1	A	G	0/1	PASS	1	A	G	0/1	PASS
79	BRCA1	17	41,229,857	1	G	A	0/1	PASS	1	G	A	0/1	PASS
80	BRCA1	17	41,229,908	1	T	A	0/1	PASS	0	-	-	-	-
81	BRCA1	17	41,230,105	1	CT	C	0/1	PASS	0	-	-	-	-
82	BRCA1	17	41,230,119	0	-	-	-	-	1	TG	G	0/1	PASS

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83	BRCA1	17	41,230,228	1	G	A	0/1	PASS	1	G	A	0/1	PASS
84	BRCA1	17	41,230,336	1	A	G	0/1	PASS	1	A	G	0/1	PASS
85	BRCA1	17	41,230,376	1	A	G	0/1	PASS	1	A	G	0/1	PASS
86	BRCA1	17	41,230,524	1	T	G	0/1	PASS	1	T	G	0/1	PASS
87	BRCA1	17	41,230,537	1	A	T	0/1	PASS	1	A	T	0/1	PASS
88	BRCA1	17	41,230,990	1	A	G	0/1	PASS	1	A	G	0/1	PASS
89	BRCA1	17	41,231,221	1	A	C	0/1	PASS	1	A	C	0/1	PASS
90	BRCA1	17	41,231,516	1	C	T	0/1	PASS	1	C	T	0/1	PASS
91	BRCA1	17	41,231,902	1	G	A	0/1	PASS	1	G	A	0/1	PASS
92	BRCA1	17	41,232,344	1	G	C	1/1	PASS	1	G	C	1/1	PASS
93	BRCA1	17	41,232,698	1	C	T	0/1	PASS	1	C	T	0/1	PASS
94	BRCA1	17	41,234,470	1	A	G	0/1	PASS	1	A	G	0/1	PASS
95	BRCA1	17	41,235,799	1	G	A	0/1	PASS	1	G	A	0/1	PASS
96	BRCA1	17	41,237,953	1	G	A	0/1	PASS	1	G	A	0/1	PASS
97	BRCA1	17	41,238,126	0	-	-	-	-	1	T	TACACAC	0/1	PASS
98	BRCA1	17	41,239,472	1	G	A	0/1	PASS	1	G	A	0/1	PASS
99	BRCA1	17	41,239,491	1	T	C	0/1	PASS	1	T	C	0/1	PASS
100	BRCA1	17	41,239,628	1	A	G	0/1	PASS	1	A	G	0/1	PASS
101	BRCA1	17	41,239,915	1	AT	A	0/1	PASS	0	-	-	-	-
102	BRCA1	17	41,239,928	0	-	-	-	-	1	TC	C	0/1	PASS
103	BRCA1	17	41,240,277	1	T	C	0/1	PASS	1	T	C	0/1	PASS
104	BRCA1	17	41,240,365	0	-	-	-	-	1	C	A	0/1	PASS
105	BRCA1	17	41,241,390	1	C	A	0/1	PASS	1	C	A	0/1	PASS
106	BRCA1	17	41,241,503	1	T	C	0/1	PASS	1	T	C	0/1	PASS
107	BRCA1	17	41,241,568	1	T	TC	0/1	PASS	1	T	TT	0/1	PASS
108	BRCA1	17	41,241,569	0	-	-	-	-	1	T	C	0/1	PASS
109	BRCA1	17	41,242,075	1	AAAG	A	0/1	PASS	0	-	-	-	-
110	BRCA1	17	41,242,083	0	-	-	-	-	1	AGAG	G	0/1	PASS
111	BRCA1	17	41,242,285	1	T	G	0/1	PASS	1	T	G	0/1	PASS
112	BRCA1	17	41,243,190	1	T	G	0/1	PASS	1	T	G	0/1	PASS
113	BRCA1	17	41,244,000	1	T	C	0/1	PASS	1	T	C	0/1	PASS
114	BRCA1	17	41,244,435	1	T	C	0/1	PASS	1	T	C	0/1	PASS
115	BRCA1	17	41,244,936	1	G	A	0/1	PASS	1	G	A	0/1	PASS
116	BRCA1	17	41,245,237	1	A	G	0/1	PASS	1	A	G	0/1	PASS
117	BRCA1	17	41,245,466	1	G	A	0/1	PASS	1	G	A	0/1	PASS
118	BRCA1	17	41,247,122	0	-	-	-	-	1	A	ACCT	0/1	PASS
119	BRCA1	17	41,247,604	0	-	-	-	-	1	A	C	0/1	PASS
120	BRCA1	17	41,248,164	1	C	T	0/1	PASS	1	C	T	0/1	PASS
121	BRCA1	17	41,248,484	1	G	C	0/1	PASS	1	G	C	0/1	PASS
122	BRCA1	17	41,249,094	1	A	G	0/1	PASS	1	A	G	0/1	PASS
123	BRCA1	17	41,249,363	1	TA	T	0/1	PASS	1	TA	T	0/1	PASS
124	BRCA1	17	41,250,678	1	C	CT	0/1	PASS	1	C	CT	0/1	PASS
125	BRCA1	17	41,250,923	1	T	C	0/1	PASS	1	T	C	0/1	PASS

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126	BRCA1	17	41,251,495	1	C	G	0/1	PASS	1	C	G	0/1	PASS
127	BRCA1	17	41,251,646	1	T	A	0/1	PASS	1	T	A	0/1	PASS
128	BRCA1	17	41,252,575	0	-	-	-	-	1	GTATATATATA	A	0/1	PASS
129	BRCA1	17	41,252,589	0	-	-	-	-	1	AA	A	0/1	PASS
130	BRCA1	17	41,252,591	0	-	-	-	-	1	C	T	0/1	PASS
131	BRCA1	17	41,252,613	0	-	-	-	-	1	T	A	0/1	PASS
132	BRCA1	17	41,252,615	0	-	-	-	-	1	T	C	0/1	PASS
133	BRCA1	17	41,254,174	1	A	G	0/1	PASS	1	A	G	0/1	PASS
134	BRCA1	17	41,254,405	0	-	-	-	-	1	C	T	0/1	PASS
135	BRCA1	17	41,254,486	1	T	G	0/1	PASS	1	T	G	0/1	PASS
136	BRCA1	17	41,254,664	0	-	-	-	-	1	A	C	0/1	PASS
137	BRCA1	17	41,254,965	1	C	CT	0/1	PASS	1	C	CT	0/1	PASS
138	BRCA1	17	41,255,102	1	A	G	0/1	PASS	1	A	G	0/1	PASS
139	BRCA1	17	41,255,111	1	A	T	0/1	PASS	1	A	T	0/1	PASS
140	BRCA1	17	41,256,086	0	-	-	-	-	1	AGAAAAAAAAAGAAAAG	GAA	0/1	PASS
141	BRCA1	17	41,257,134	1	T	C	0/1	PASS	1	T	C	0/1	PASS
142	BRCA1	17	41,257,458	1	A	C	0/1	PASS	1	A	C	0/1	PASS
143	BRCA1	17	41,258,043	1	C	T	0/1	PASS	1	C	T	0/1	PASS
144	BRCA1	17	41,258,135	1	T	TA	0/1	PASS	0	-	-	-	-
145	BRCA1	17	41,258,153	0	-	-	-	-	1	G	AG	0/1	PASS
146	BRCA1	17	41,258,682	0	-	-	-	-	1	T	G	0/1	PASS
147	BRCA1	17	41,259,049	0	-	-	-	-	1	C	T	0/1	PASS
148	BRCA1	17	41,259,390	0	-	-	-	-	1	A	T	0/1	PASS
149	BRCA1	17	41,260,352	1	C	CA	0/1	PASS	1	C	CA	0/1	PASS
150	BRCA1	17	41,260,808	0	-	-	-	-	1	A	G	0/1	PASS
151	BRCA1	17	41,261,058	0	-	-	-	-	1	T	TCTATCTACCTAC	0/1	PASS
152	BRCA1	17	41,261,233	1	C	T	0/1	PASS	1	C	T	0/1	PASS
153	BRCA1	17	41,261,915	0	-	-	-	-	1	C	CT	0/1	PASS
154	BRCA1	17	41,263,044	1	A	G	0/1	PASS	1	A	G	0/1	PASS
155	BRCA1	17	41,263,117	0	-	-	-	-	1	C	CA	0/1	PASS
156	BRCA1	17	41,263,566	1	T	C	0/1	PASS	1	T	C	0/1	PASS
157	BRCA1	17	41,264,146	1	G	A	0/1	PASS	1	G	A	0/1	PASS
158	BRCA1	17	41,264,364	1	A	G	0/1	PASS	1	A	G	0/1	PASS
159	BRCA1	17	41,264,739	0	-	-	-	-	1	CTGACTATCACAAGCTTGAAC	TTCATCAGTAGGGTTT	0/1	PASS
160	BRCA1	17	41,265,776	1	A	G	0/1	PASS	1	A	G	0/1	PASS
161	BRCA1	17	41,266,137	0	-	-	-	-	1	T	G	0/1	PASS
162	BRCA1	17	41,266,407	0	-	-	-	-	1	C	CT	0/1	PASS
163	BRCA1	17	41,267,050	1	G	A	0/1	PASS	1	G	A	0/1	PASS
164	BRCA1	17	41,267,518	1	CA	C	0/1	PASS	1	CA	C	0/1	PASS
165	BRCA1	17	41,268,206	1	A	C	0/1	PASS	1	AAC	CACT	0/1	PASS
166	BRCA1	17	41,268,208	1	C	CT	0/1	PASS	0	-	-	-	-
167	BRCA1	17	41,270,229	0	-	-	-	-	1	T	G	0/1	PASS
168	BRCA1	17	41,270,277	0	-	-	-	-	1	C	T	0/1	PASS

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169	BRCA1	17	41,270,463	0	-	-	-	-	-	1	G	A	0/1	PASS
170	BRCA1	17	41,270,666	0	-	-	-	-	-	1	C	A	0/1	PASS
171	BRCA1	17	41,270,778	0	-	-	-	-	-	1	C	CT	0/1	PASS
172	BRCA1	17	41,271,305	0	-	-	-	-	-	1	AG	G	0/1	PASS
173	BRCA1	17	41,273,095	0	-	-	-	-	-	1	G	A	0/1	PASS
174	BRCA1	17	41,273,348	0	-	-	-	-	-	1	T	C	0/1	PASS
175	BRCA1	17	41,273,379	0	-	-	-	-	-	1	G	C	0/1	PASS
176	BRCA1	17	41,273,537	0	-	-	-	-	-	1	A	C	0/1	PASS
177	BRCA1	17	41,274,778	0	-	-	-	-	-	1	G	A	0/1	PASS
178	BRCA1	17	41,274,906	0	-	-	-	-	-	1	G	aA	0/1	PASS
179	BRCA1	17	41,275,081	0	-	-	-	-	-	1	G	GA	0/1	PASS
180	BRCA1	17	41,275,151	0	-	-	-	-	-	1	G	C	0/1	PASS
181	BRCA1	17	41,275,645	0	-	-	-	-	-	1	A	G	0/1	PASS
182	BRCA1	17	41,276,247	0	-	-	-	-	-	1	A	G	0/1	PASS
183	BRCA1	17	41,276,348	0	-	-	-	-	-	1	T	C	0/1	PASS
184	BRCA1	17	41,277,187	0	-	-	-	-	-	1	G	C	0/1	PASS