

Crystal Genetics (WGS-based) Cancer Gene Panel

Color Code Description		White = Identical or Equivalent Calls (based on the reported data and Crystal's visual analysis)												
		Green = Consistent Calls (based on Crystal's visual analysis of the reads supporting the variants)												
		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)												
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)												
		Platinum_7.1.0					NA12878			Crystal_1.0				
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
1	-	5	112,041,171	1	G	A	1 0	PASS	1	G	A	0 1	PASS	
2	-	5	112,041,594	1	T	C	1 0	PASS	1	T	C	0 1	PASS	
3	-	5	112,041,841	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
4	APC	5	112,043,788	0	-	-	-	-	1	T	G	0 1	PASS	
5	APC	5	112,045,132	1	G	A	1 0	PASS	1	G	A	0 1	PASS	
6	APC	5	112,045,587	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
7	APC	5	112,045,831	1	T	C	1 0	PASS	1	T	C	0 1	PASS	
8	APC	5	112,047,954	1	G	GT	1 0	PASS	1	G	GT	0 1	PASS	
9	APC	5	112,048,259	0	-	-	-	-	1	TT	TTT,T	1 2	PASS	
10	APC	5	112,048,867	1	C	CAA,CAAA	1 0	PASS	1	C	CAA	0 1	PASS	
11	APC	5	112,050,122	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
12	APC	5	112,050,465	1	T	G	1 0	PASS	1	T	G	0 1	PASS	
13	APC	5	112,051,828	1	G	C	1 0	PASS	1	G	C	0 1	PASS	
14	APC	5	112,054,086	1	C	T	1 0	PASS	1	C	T	0 1	PASS	
15	APC	5	112,054,322	1	G	A	1 1	PASS	1	G	A	1 1	PASS	
16	APC	5	112,054,547	1	A	T	1 0	PASS	1	A	T	0 1	PASS	
17	APC	5	112,055,238	0	-	-	-	-	1	CT	C	0 1	PASS	
18	APC	5	112,056,360	1	G	T	1 0	PASS	1	G	T	0 1	PASS	
19	APC	5	112,057,100	1	T	C	1 0	PASS	1	T	C	0 1	PASS	
20	APC	5	112,057,425	1	A	C	1 0	PASS	1	A	C	0 1	PASS	
21	APC	5	112,057,773	1	G	T	1 1	PASS	1	G	T	1 1	PASS	
22	APC	5	112,058,410	1	C	G	1 0	PASS	1	C	G	0 1	PASS	
23	APC	5	112,058,841	1	T	TA	1 0	PASS	1	T	TA	0 1	PASS	
24	APC	5	112,059,594	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
25	APC	5	112,060,242	1	G	A	1 0	PASS	1	G	A	0 1	PASS	
26	APC	5	112,060,294	1	G	C	1 0	PASS	1	G	C	0 1	PASS	
27	APC	5	112,060,421	1	G	T	1 0	PASS	1	G	T	0 1	PASS	
28	APC	5	112,060,624	1	T	C	1 0	PASS	1	T	C	0 1	PASS	
29	APC	5	112,061,448	1	C	G	1 0	PASS	1	C	G	0 1	PASS	
30	APC	5	112,062,674	1	A	T	1 1	PASS	1	A	T	1 1	PASS	
31	APC	5	112,063,646	1	T	TA	1 0	PASS	1	T	TA	0 1	PASS	
32	APC	5	112,064,337	1	GT	G	1 0	PASS	1	GT	G	0 1	PASS	
33	APC	5	112,064,475	1	A	T	0 1	PASS	1	A	T	0 1	PASS	
34	APC	5	112,064,826	1	G	C	1 1	PASS	1	G	C	1 1	PASS	
35	APC	5	112,066,524	1	G	C	1 1	PASS	1	G	C	1 1	PASS	
36	APC	5	112,067,142	1	C	T	0 1	PASS	1	C	T	0 1	PASS	

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				Platinum_7.1.0				NA12878				Crystal_1.0			
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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
37	APC	5	112,071,197	1	C	CAT	1 0	PASS	1	C	CAT	0/1	PASS		
38	APC	5	112,073,528	0	-	-	-	-	1	T	G	0/1	PASS		
39	APC	5	112,074,269	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
40	APC	5	112,074,356	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
41	APC	5	112,074,722	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
42	APC	5	112,076,221	0	-	-	-	-	1	CT	C	0/1	PASS		
43	APC	5	112,076,449	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
44	APC	5	112,077,447	1	T	A	1 0	PASS	1	T	A	0/1	PASS		
45	APC	5	112,077,770	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
46	APC	5	112,077,920	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
47	APC	5	112,079,117	1	AT	A	1 0	PASS	0	-	-	-	-		
48	APC	5	112,079,125	0	-	-	-	-	1	TA	A	0/1	PASS		
49	APC	5	112,079,882	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
50	APC	5	112,080,728	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
51	APC	5	112,080,827	1	G	GTA	1 0	PASS	1	G	GTA	0/1	PASS		
52	APC	5	112,081,245	1	T	TTTA,TTTATTA	2 0	PASS	1	T	TTTATTA	0/1	PASS		
53	APC	5	112,081,924	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
54	APC	5	112,082,648	1	TTA	T	1 0	PASS	0	-	-	-	-		
55	APC	5	112,082,650	0	-	-	-	-	1	ATG	G	0/1	PASS		
56	APC	5	112,082,938	1	A	AG	1 0	PASS	1	A	AG	0/1	PASS		
57	APC	5	112,085,611	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
58	APC	5	112,086,165	1	T	A	1 0	PASS	1	T	A	0/1	PASS		
59	APC	5	112,086,185	1	A	ATGTT	1 0	PASS	1	A	ATGTT	0/1	PASS		
60	APC	5	112,087,327	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
61	APC	5	112,088,507	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
62	APC	5	112,089,282	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
63	APC	5	112,089,480	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
64	APC	5	112,091,194	0	-	-	-	-	1	C	A	0/1	PASS		
65	APC	5	112,091,656	0	-	-	-	-	1	AT	T	0/1	PASS		
66	APC	5	112,091,704	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
67	APC	5	112,092,402	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
68	APC	5	112,093,955	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
69	APC	5	112,094,010	1	GTTTGTTT	G	1 0	PASS	1	GTTTGTTT	G	0/1	PASS		
70	APC	5	112,094,404	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
71	APC	5	112,094,420	0	-	-	-	-	1	C	TTCAAGCAATTCTCTGCCTCAGCC	0/1	PASS		
72	APC	5	112,094,426	0	-	-	-	-	1	GA	A	0/1	PASS		

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73	APC	5	112,095,140	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
74	APC	5	112,095,332	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
75	APC	5	112,095,775	1	T	A	1 0	PASS	1	T	A	0/1	PASS		
76	APC	5	112,096,626	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
77	APC	5	112,097,234	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
78	APC	5	112,097,757	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
79	APC	5	112,098,911	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
80	APC	5	112,098,938	1	T	A	1 0	PASS	1	T	A	0/1	PASS		
81	APC	5	112,099,028	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
82	APC	5	112,099,059	1	GT	G	1 0	PASS	1	GT	G	0/1	PASS		
83	APC	5	112,099,775	0	-	-	-	-	1	TA	T	1/1	PASS		
84	APC	5	112,099,942	0	-	-	-	-	1	CA	C	0/1	PASS		
85	APC	5	112,100,027	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
86	APC	5	112,100,595	1	A	C	1 1	PASS	1	A	C	1/1	PASS		
87	APC	5	112,101,457	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
88	APC	5	112,101,496	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
89	APC	5	112,101,793	1	C	A	1 0	PASS	1	C	A	0/1	PASS		
90	APC	5	112,102,356	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
91	APC	5	112,103,646	1	C	A	0 1	PASS	1	C	A	0/1	PASS		
92	APC	5	112,103,680	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
93	APC	5	112,103,963	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
94	APC	5	112,104,297	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
95	APC	5	112,105,217	1	TG	T	1 0	PASS	0	-	-	-	-		
96	APC	5	112,105,218	0	-	-	-	-	1	GT	T	0/1	PASS		
97	APC	5	112,105,223	1	A	T	1 0	PASS	1	A	T	0/1	PASS		
98	APC	5	112,107,058	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
99	APC	5	112,107,726	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
100	APC	5	112,108,497	0	-	-	-	-	1	A	C	0/1	PASS		
101	APC	5	112,108,865	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
102	APC	5	112,109,779	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
103	APC	5	112,111,070	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
104	APC	5	112,111,866	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
105	APC	5	112,113,527	1	A	T	1 0	PASS	1	A	T	0/1	PASS		
106	APC	5	112,113,735	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
107	APC	5	112,113,760	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
108	APC	5	112,113,772	1	G	A	1 0	PASS	1	G	A	0/1	PASS		

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
109	APC	5	112,113,902	1	TGAG	T	0 1	PASS	1	TGAG	T	0 1	PASS
110	APC	5	112,114,247	1	A	AT	1 0	PASS	1	A	AT	0 1	PASS
111	APC	5	112,114,385	1	A	AGGC	1 0	PASS	1	A	AGGC	0 1	PASS
112	APC	5	112,115,377	0	-	-	-	-	1	G	TG	0 1	PASS
113	APC	5	112,116,024	1	C	T	1 0	PASS	1	C	T	0 1	PASS
114	APC	5	112,116,069	1	G	A	1 0	PASS	1	G	A	0 1	PASS
115	APC	5	112,116,773	1	A	G	1 0	PASS	1	A	G	0 1	PASS
116	APC	5	112,117,476	0	-	-	-	-	1	C	TC	0 1	PASS
117	APC	5	112,118,195	1	G	A	1 0	PASS	1	G	A	0 1	PASS
118	APC	5	112,118,956	1	C	T	1 0	PASS	1	C	T	0 1	PASS
119	APC	5	112,121,958	1	G	GT	0 1	PASS	1	G	GT	0 1	PASS
120	APC	5	112,122,532	1	G	C	1 0	PASS	1	G	C	0 1	PASS
121	APC	5	112,122,603	1	GAGTC	G	1 0	PASS	0	-	-	-	-
122	APC	5	112,124,369	1	T	C	1 0	PASS	1	T	C	0 1	PASS
123	APC	5	112,125,554	1	A	AT	1 0	PASS	1	A	AT	0 1	PASS
124	APC	5	112,129,194	1	AC	A	1 0	PASS	1	AC	A	0 1	PASS
125	APC	5	112,129,754	0	-	-	-	-	1	GG	G	0 1	PASS
126	APC	5	112,130,086	1	C	A	1 0	PASS	1	C	A	0 1	PASS
127	APC	5	112,131,288	1	A	G	1 0	PASS	1	A	G	0 1	PASS
128	APC	5	112,131,787	1	A	G	1 0	PASS	1	A	G	0 1	PASS
129	APC	5	112,135,067	1	T	C	1 0	PASS	1	T	C	0 1	PASS
130	APC	5	112,135,090	1	G	A	1 0	PASS	1	G	A	0 1	PASS
131	APC	5	112,135,737	1	A	G	1 0	PASS	1	A	G	0 1	PASS
132	APC	5	112,136,204	1	A	G	1 0	PASS	1	A	G	0 1	PASS
133	APC	5	112,138,734	1	G	A	1 0	PASS	1	G	A	0 1	PASS
134	APC	5	112,138,888	1	G	C	1 0	PASS	1	G	C	0 1	PASS
135	APC	5	112,139,745	1	A	G	1 0	PASS	1	A	G	0 1	PASS
136	APC	5	112,144,023	1	A	G	1 0	PASS	1	A	G	0 1	PASS
137	APC	5	112,144,444	1	A	T	1 0	PASS	1	A	T	0 1	PASS
138	APC	5	112,144,954	1	T	C	1 0	PASS	1	T	C	0 1	PASS
139	APC	5	112,145,261	1	C	A	1 0	PASS	1	C	A	0 1	PASS
140	APC	5	112,146,197	1	T	G	1 0	PASS	1	T	G	0 1	PASS
141	APC	5	112,146,720	1	TCA	T	1 0	PASS	1	TCA	T	0 1	PASS
142	APC	5	112,149,463	0	-	-	-	-	1	G	AG	0 1	PASS
143	APC	5	112,149,757	1	T	C	1 0	PASS	1	T	C	0 1	PASS
144	APC	5	112,151,551	1	G	T	1 0	PASS	1	G	T	0 1	PASS

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
145	APC	5	112,152,649	1	C	T	1 0	PASS	1	C	T	0/1	PASS
146	APC	5	112,153,119	1	C	T	1 0	PASS	1	C	T	0/1	PASS
147	APC	5	112,153,495	1	A	G	1 0	PASS	1	A	G	0/1	PASS
148	APC	5	112,153,665	1	C	T	1 0	PASS	1	C	T	0/1	PASS
149	APC	5	112,153,996	1	C	G	1 0	PASS	1	C	G	0/1	PASS
150	APC	5	112,154,151	1	ATAT	A	1 0	PASS	1	ATAT	A	0/1	PASS
151	APC	5	112,154,303	1	T	G	1 0	PASS	1	T	G	0/1	PASS
152	APC	5	112,154,530	1	TG	T	1 0	PASS	0	-	-	-	-
153	APC	5	112,154,531	0	-	-	-	-	1	G	T	0/1	PASS
154	APC	5	112,154,544	1	C	CG	1 0	PASS	1	C	CG	0/1	PASS
155	APC	5	112,155,504	1	C	G	1 0	PASS	1	C	G	0/1	PASS
156	APC	5	112,155,793	1	G	C	1 0	PASS	1	G	C	0/1	PASS
157	APC	5	112,158,431	1	G	A	1 0	PASS	1	G	A	0/1	PASS
158	APC	5	112,159,385	1	A	G	1 0	PASS	1	A	G	0/1	PASS
159	APC	5	112,159,470	1	A	G	1 0	PASS	1	A	G	0/1	PASS
160	APC	5	112,159,562	1	A	G	1 0	PASS	1	A	G	0/1	PASS
161	APC	5	112,160,442	1	CTCATTAGTATACCAGGCCAAG	C	1 0	PASS	1	CTCATTAGTATACCAGGCCAAG	C	0/1	PASS
162	APC	5	112,161,469	1	C	A	1 0	PASS	1	C	A	0/1	PASS
163	APC	5	112,162,298	0	-	-	-	-	1	AC	A	0/1	PASS
164	APC	5	112,162,413	1	A	G	1 0	PASS	1	A	G	0/1	PASS
165	APC	5	112,162,854	1	T	C	1 0	PASS	1	T	C	0/1	PASS
166	APC	5	112,163,238	1	G	GT	1 0	PASS	1	G	GT	0/1	PASS
167	APC	5	112,164,171	0	-	-	-	-	1	AC	C	0/1	PASS
168	APC	5	112,164,238	1	C	T	1 0	PASS	1	C	T	0/1	PASS
169	APC	5	112,164,561	1	G	A	1 0	PASS	1	G	A	0/1	PASS
170	APC	5	112,164,862	1	G	A	1 0	PASS	1	G	A	0/1	PASS
171	APC	5	112,166,044	1	AACT	A	1 0	PASS	0	-	-	-	-
172	APC	5	112,166,047	0	-	-	-	-	1	TACA	A	0/1	PASS
173	APC	5	112,166,862	1	G	A	1 0	PASS	1	G	A	0/1	PASS
174	APC	5	112,167,130	1	T	G	1 0	PASS	1	T	G	0/1	PASS
175	APC	5	112,167,587	1	T	C	1 0	PASS	1	T	C	0/1	PASS
176	APC	5	112,167,821	1	C	T	1 0	PASS	1	C	T	0/1	PASS
177	APC	5	112,167,941	1	C	G	1 0	PASS	1	C	G	0/1	PASS
178	APC	5	112,168,065	1	A	G	1 0	PASS	1	A	G	0/1	PASS
179	APC	5	112,168,130	1	G	C	1 0	PASS	1	G	C	0/1	PASS
180	APC	5	112,168,726	1	GT	G	1 0	PASS	1	GT	G	0/1	PASS

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		Platinum_7.1.0					NA12878					Crystal_1.0				
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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter			
181	APC	5	112,168,877	0	-	-	-	-	1	AT	A	0/1	PASS			
182	APC	5	112,168,879	0	-	-	-	-	1	TTT	T	0/1	PASS			
183	APC	5	112,169,136	1	T	C	1 0	PASS	1	T	C	0/1	PASS			
184	APC	5	112,169,525	1	T	A	1 0	PASS	1	T	A	0/1	PASS			
185	APC	5	112,169,958	0	-	-	-	-	1	A	T	0/1	PASS			
186	APC	5	112,170,358	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
187	APC	5	112,171,287	0	-	-	-	-	1	TG	G	0/1	PASS			
188	APC	5	112,172,219	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
189	APC	5	112,172,786	1	G	T	1 0	PASS	1	G	T	0/1	PASS			
190	APC	5	112,172,930	1	T	C	1 0	PASS	1	T	C	0/1	PASS			
191	APC	5	112,173,106	1	T	TAGAA	1 0	PASS	1	T	TAGAA	0/1	PASS			
192	APC	5	112,175,770	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
193	APC	5	112,176,325	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
194	APC	5	112,176,559	1	T	G	1 0	PASS	1	T	G	0/1	PASS			
195	APC	5	112,176,756	1	T	A	1 0	PASS	1	T	A	0/1	PASS			
196	APC	5	112,177,171	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
197	APC	5	112,180,228	1	C	CA	1 0	PASS	1	C	CA	0/1	PASS			
198	APC	5	112,180,921	1	T	C	1 0	PASS	1	T	C	0/1	PASS			
199	APC	5	112,181,379	1	C	G	1 0	PASS	1	C	G	0/1	PASS			
200	APC	5	112,181,576	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
201	-	5	112,182,116	1	A	AGAGTT	1 0	PASS	1	A	AGAGTT	0/1	PASS			
202	-	5	112,182,232	1	A	T	1 0	PASS	1	A	T	0/1	PASS			
203	-	5	112,182,364	1	GT	G	1 0	PASS	0	-	-	-	-			
204	-	5	112,182,366	0	-	-	-	-	1	TG	G	0/1	PASS			
205	-	5	112,182,379	1	G	A	1 0	PASS	1	G	A	0/1	PASS			
206	-	5	112,182,691	1	A	G	1 0	PASS	1	A	G	0/1	PASS			
207	-	5	112,183,157	1	A	G	1 0	PASS	1	A	G	0/1	PASS			
208	-	11	108,093,208	1	A	T	0 1	PASS	1	A	T	0/1	PASS			
209	ATM	11	108,093,833	1	G	A	0 1	PASS	1	G	A	0/1	PASS			
210	ATM	11	108,095,220	1	A	G	0 1	PASS	1	A	G	0/1	PASS			
211	ATM	11	108,096,141	1	A	G	0 1	PASS	1	A	G	0/1	PASS			
212	ATM	11	108,097,333	1	A	G	0 1	PASS	1	A	G	0/1	PASS			
213	ATM	11	108,100,105	1	G	GT	0 1	PASS	1	G	GT	0/1	PASS			
214	ATM	11	108,100,120	0	-	-	-	-	1	CA	TCA	0/1	PASS			
215	ATM	11	108,100,734	1	A	T	1 1	PASS	1	A	T	1/1	PASS			
216	ATM	11	108,101,492	1	A	G	0 1	PASS	1	A	G	0/1	PASS			

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)											
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
217	ATM	11	108,101,919	1	C	T	0 1	PASS	1	C	T	0 1	PASS
218	ATM	11	108,103,311	1	A	G	1 1	PASS	1	A	G	1 1	PASS
219	ATM	11	108,104,298	0	-	-	-	-	1	AA	A	1 1	PASS
220	ATM	11	108,104,525	1	A	G	0 1	PASS	1	A	G	0 1	PASS
221	ATM	11	108,105,567	1	T	TA	0 1	PASS	1	T	TA	0 1	PASS
222	ATM	11	108,105,928	1	T	C	0 1	PASS	1	T	C	0 1	PASS
223	ATM	11	108,106,039	0	-	-	-	-	1	G	AG	0 1	PASS
224	ATM	11	108,106,782	1	C	T	0 1	PASS	1	C	T	0 1	PASS
225	ATM	11	108,107,009	1	G	A	0 1	PASS	1	G	A	0 1	PASS
226	ATM	11	108,107,261	1	T	TA	0 1	PASS	1	T	TA	0 1	PASS
227	ATM	11	108,107,497	1	T	G	0 1	PASS	1	T	G	0 1	PASS
228	ATM	11	108,107,660	1	G	A	0 1	PASS	1	G	A	0 1	PASS
229	ATM	11	108,108,588	0	-	-	-	-	1	TGC	TTT	1 1	PASS
230	ATM	11	108,110,663	1	A	G	0 1	PASS	1	A	G	0 1	PASS
231	ATM	11	108,111,429	1	TA	T	0 1	PASS	1	TA	T	0 1	PASS
232	ATM	11	108,112,978	1	G	T	0 1	PASS	1	G	T	0 1	PASS
233	ATM	11	108,113,331	1	C	G	0 1	PASS	1	C	G	0 1	PASS
234	ATM	11	108,115,360	1	AT	A	1 1	PASS	1	AT	A	1 1	PASS
235	ATM	11	108,116,700	1	T	C	0 1	PASS	1	T	C	0 1	PASS
236	ATM	11	108,116,787	0	-	-	-	-	1	A	T	0 1	PASS
237	ATM	11	108,117,335	1	C	T	0 1	PASS	1	C	T	0 1	PASS
238	ATM	11	108,118,234	1	T	A	0 1	PASS	1	T	A	0 1	PASS
239	ATM	11	108,118,479	1	C	A	0 1	PASS	1	C	A	0 1	PASS
240	ATM	11	108,119,048	1	C	A	0 1	PASS	1	C	A	0 1	PASS
241	ATM	11	108,119,366	1	A	G	0 1	PASS	1	A	G	0 1	PASS
242	ATM	11	108,120,439	1	G	A	0 1	PASS	1	G	A	0 1	PASS
243	ATM	11	108,120,868	1	AATAT	A,AAT	2 1	PASS	1	AATAT	A,AAT	1 2	PASS
244	ATM	11	108,121,410	0	-	-	-	-	1	C	CT	0 1	PASS
245	ATM	11	108,123,189	1	C	A	0 1	PASS	1	C	A	0 1	PASS
246	ATM	11	108,124,299	1	G	A	0 1	PASS	1	G	A	0 1	PASS
247	ATM	11	108,125,471	1	C	G	0 1	PASS	1	C	G	0 1	PASS
248	ATM	11	108,125,619	0	-	-	-	-	1	A	C	0 1	PASS
249	ATM	11	108,126,353	1	A	G	0 1	PASS	1	A	G	0 1	PASS
250	ATM	11	108,127,288	1	T	C	1 1	PASS	1	T	C	1 1	PASS
251	ATM	11	108,129,657	1	A	G	0 1	PASS	1	A	G	0 1	PASS
252	ATM	11	108,130,712	1	G	A	1 0	PASS	1	G	A	0 1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)												
		Platinum_7.1.0					NA12878			Crystal_1.0				
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
253	ATM	11	108,131,225	1	T	C	0 1	PASS	1	T	C	0 1	PASS	
254	ATM	11	108,131,646	1	T	G	0 1	PASS	1	T	G	0 1	PASS	
255	ATM	11	108,131,776	1	C	T	0 1	PASS	0	-	-	-	-	
256	ATM	11	108,131,797	1	T	C	0 1	PASS	0	-	-	-	-	
257	ATM	11	108,132,445	1	G	T	0 1	PASS	1	G	T	0 1	PASS	
258	ATM	11	108,133,234	1	C	T	0 1	PASS	0	-	-	-	-	
259	ATM	11	108,133,647	1	A	G	0 1	PASS	0	-	-	-	-	
260	ATM	11	108,133,921	1	A	G	0 1	PASS	0	-	-	-	-	
261	ATM	11	108,134,696	1	A	T	0 1	PASS	0	-	-	-	-	
262	ATM	11	108,136,367	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
263	ATM	11	108,136,890	1	C	T	0 1	PASS	0	-	-	-	-	
264	ATM	11	108,137,775	1	T	A	0 1	PASS	1	T	A	0 1	PASS	
265	ATM	11	108,140,516	1	A	G	0 1	PASS	1	A	G	0 1	PASS	
266	ATM	11	108,140,909	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
267	ATM	11	108,143,182	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
268	ATM	11	108,145,072	1	TTG	T	0 1	PASS	1	TTG	T	0 1	PASS	
269	ATM	11	108,145,249	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
270	ATM	11	108,146,299	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
271	ATM	11	108,148,265	1	T	C	0 1	PASS	1	T	C	0 1	PASS	
272	ATM	11	108,148,332	1	T	C	1 1	PASS	1	T	C	1 1	PASS	
273	ATM	11	108,148,839	1	A	G	0 1	PASS	1	A	G	0 1	PASS	
274	ATM	11	108,150,207	1	CT	C	0 1	PASS	1	CT	C	0 1	PASS	
275	ATM	11	108,150,664	1	A	T	0 1	PASS	1	A	T	0 1	PASS	
276	ATM	11	108,151,269	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
277	ATM	11	108,151,707	1	T	TA	0 1	PASS	1	T	TA	0 1	PASS	
278	ATM	11	108,152,582	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
279	ATM	11	108,152,645	1	A	G	0 1	PASS	1	A	G	0 1	PASS	
280	ATM	11	108,154,097	1	G	C	0 1	PASS	1	G	C	0 1	PASS	
281	ATM	11	108,155,397	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
282	ATM	11	108,156,048	1	CT	CTT,C	0 2	PASS	1	CT	C	0 1	PASS	
283	ATM	11	108,156,349	0	-	-	-	-	1	TA	A	0 1	PASS	
284	ATM	11	108,156,473	1	C	A	0 1	PASS	1	C	A	0 1	PASS	
285	ATM	11	108,158,134	1	T	C	0 1	PASS	1	T	C	0 1	PASS	
286	ATM	11	108,159,228	1	C	CT	0 1	PASS	0	-	-	-	-	
287	ATM	11	108,159,356	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
288	ATM	11	108,161,202	1	T	A	0 1	PASS	1	T	A	0 1	PASS	

Crystal Genetics (WGS-based) Cancer Gene Panel

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes				Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
289	ATM	11	108,161,252	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
290	ATM	11	108,163,733	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
291	ATM	11	108,164,621	0	-	-	-	-	1	A	T	0 1	PASS		
292	ATM	11	108,164,642	0	-	-	-	-	1	ATATA	G	0 1	PASS		
293	ATM	11	108,164,648	0	-	-	-	-	1	G	ATG	1 1	PASS		
294	ATM	11	108,165,075	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
295	ATM	11	108,165,219	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
296	ATM	11	108,165,406	0	-	-	-	-	1	GCA	AGA	0 1	PASS		
297	ATM	11	108,166,958	1	TC	T	0 1	PASS	1	TC	T	0 1	PASS		
298	ATM	11	108,168,863	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
299	ATM	11	108,168,995	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
300	ATM	11	108,169,619	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
301	ATM	11	108,170,042	1	CT	C	0 1	PASS	1	CT	C	0 1	PASS		
302	ATM	11	108,170,271	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
303	ATM	11	108,171,627	0	-	-	-	-	1	TG	G	1 1	PASS		
304	ATM	11	108,174,173	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
305	ATM	11	108,174,191	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
306	ATM	11	108,175,394	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
307	ATM	11	108,175,462	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
308	ATM	11	108,177,538	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
309	ATM	11	108,181,511	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
310	ATM	11	108,181,860	1	AT	A	0 1	PASS	1	AT	A	0 1	PASS		
311	ATM	11	108,182,069	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
312	ATM	11	108,182,097	1	T	A	1 1	PASS	1	T	A	0 1	PASS		
313	ATM	11	108,183,167	1	A	G	1 1	PASS	1	A	G	1 1	PASS		
314	ATM	11	108,183,413	1	ACT	A	0 1	PASS	1	ACT	A	0 1	PASS		
315	ATM	11	108,184,594	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
316	ATM	11	108,184,841	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
317	ATM	11	108,185,023	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
318	ATM	11	108,185,181	1	AT	A	0 1	PASS	1	AT	A	0 1	PASS		
319	ATM	11	108,185,478	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
320	ATM	11	108,185,949	1	A	G	1 1	PASS	1	A	G	1 1	PASS		
321	ATM	11	108,186,258	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
322	ATM	11	108,187,512	1	G	C	0 1	PASS	1	G	C	0 1	PASS		
323	ATM	11	108,187,689	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
324	ATM	11	108,187,830	0	-	-	-	-	1	T	A	0 1	PASS		

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
325	ATM	11	108,188,342	0	-	-	-	-	1	T	TTATATA	1/1	PASS
326	ATM	11	108,188,375	0	-	-	-	-	1	TATATAC	TATATATAC,C	1/2	PASS
327	ATM	11	108,188,381	0	-	-	-	-	1	C	T	0/1	PASS
328	ATM	11	108,188,462	1	T	A	0 1	PASS	1	T	A	0/1	PASS
329	ATM	11	108,194,073	1	C	T	0 1	PASS	1	C	T	0/1	PASS
330	ATM	11	108,194,528	1	C	A	0 1	PASS	1	C	A	0/1	PASS
331	ATM	11	108,194,557	1	C	T	0 1	PASS	1	C	T	0/1	PASS
332	ATM	11	108,194,783	1	GA	G	1 1	PASS	1	GA	G	1/1	PASS
333	ATM	11	108,195,995	0	-	-	-	-	1	TC	C	0/1	PASS
334	ATM	11	108,196,509	1	G	C	0 1	PASS	1	G	C	0/1	PASS
335	ATM	11	108,196,712	1	CATT	C	0 1	PASS	1	CATT	C	0/1	PASS
336	ATM	11	108,200,142	1	T	G	0 1	PASS	1	T	G	0/1	PASS
337	ATM	11	108,203,769	1	G	A	1 1	PASS	1	G	A	1/1	PASS
338	ATM	11	108,204,253	1	A	G	1 0	PASS	1	A	G	0/1	PASS
339	ATM	11	108,204,945	1	GT	G	0 1	PASS	0	-	-	-	-
340	ATM	11	108,204,947	0	-	-	-	-	1	TA	A	0/1	PASS
341	ATM	11	108,205,329	1	A	G	0 1	PASS	1	A	G	0/1	PASS
342	ATM	11	108,205,383	1	G	A	0 1	PASS	1	G	A	0/1	PASS
343	ATM	11	108,207,304	1	T	G	0 1	PASS	1	T	G	0/1	PASS
344	ATM	11	108,207,393	1	T	C	0 1	PASS	1	T	C	0/1	PASS
345	ATM	11	108,209,199	1	C	T	0 1	PASS	1	C	T	0/1	PASS
346	ATM	11	108,209,360	1	A	G	0 1	PASS	1	A	G	0/1	PASS
347	ATM	11	108,210,109	1	A	G	0 1	PASS	1	A	G	0/1	PASS
348	ATM	11	108,210,877	1	CTTTAT	C	1 0	PASS	1	CTTTAT	C	0/1	PASS
349	ATM	11	108,211,412	1	T	G	0 1	PASS	1	T	G	0/1	PASS
350	ATM	11	108,211,711	1	C	A	1 1	PASS	1	C	A	1/1	PASS
351	ATM	11	108,212,093	1	A	C	0 1	PASS	1	A	C	0/1	PASS
352	ATM	11	108,212,692	1	G	C	0 1	PASS	1	G	C	0/1	PASS
353	ATM	11	108,215,095	1	A	G	0 1	PASS	1	A	G	0/1	PASS
354	ATM	11	108,217,049	1	T	G	0 1	PASS	1	T	G	0/1	PASS
355	ATM	11	108,217,123	1	A	G	0 1	PASS	1	A	G	0/1	PASS
356	ATM	11	108,218,196	1	T	C	0 1	PASS	1	T	C	0/1	PASS
357	ATM	11	108,218,905	1	T	C	0 1	PASS	1	T	C	0/1	PASS
358	ATM	11	108,219,339	1	C	A	0 1	PASS	1	C	A	0/1	PASS
359	ATM	11	108,219,420	1	G	A	0 1	PASS	1	G	A	0/1	PASS
360	ATM	11	108,221,099	1	A	C	0 1	PASS	1	A	C	0/1	PASS

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Features & Coordinates				Platinum_7.1.0								NA12878				Crystal_1.0			
				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes								Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter						
361	ATM	11	108,221,482	0	-	-	-	-	1	AGA	GCA	0/1	PASS						
362	ATM	11	108,221,498	0	-	-	-	-	1	T	C	1/1	PASS						
363	ATM	11	108,221,665	1	C	G	0 1	PASS	1	C	G	0/1	PASS						
364	ATM	11	108,222,801	1	C	A	0 1	PASS	1	C	A	0/1	PASS						
365	ATM	11	108,223,391	1	T	C	0 1	PASS	1	T	C	0/1	PASS						
366	ATM	11	108,224,697	1	G	A	1 1	PASS	1	G	A	1/1	PASS						
367	ATM	11	108,224,785	0	-	-	-	-	1	T	C	0/1	PASS						
368	ATM	11	108,224,797	1	A	C,AAC	2 1	PASS	1	A	AAC,C	1/2	PASS						
369	ATM	11	108,225,483	1	C	T	0 1	PASS	1	C	T	0/1	PASS						
370	ATM	11	108,225,661	1	A	G	0 1	PASS	1	A	G	0/1	PASS						
371	ATM	11	108,226,025	1	A	G	0 1	PASS	1	A	G	0/1	PASS						
372	ATM	11	108,226,174	1	G	A	1 0	PASS	1	G	A	0/1	PASS						
373	ATM	11	108,226,399	1	T	C	0 1	PASS	1	T	C	0/1	PASS						
374	ATM	11	108,226,855	1	A	T	0 1	PASS	1	A	T	0/1	PASS						
375	ATM	11	108,227,267	1	T	TA	0 1	PASS	1	T	TA	0/1	PASS						
376	ATM	11	108,227,965	1	G	A	0 1	PASS	1	G	A	0/1	PASS						
377	ATM	11	108,228,010	1	T	C	0 1	PASS	1	T	C	0/1	PASS						
378	ATM	11	108,228,044	1	G	A	0 1	PASS	1	G	A	0/1	PASS						
379	ATM	11	108,228,142	1	G	T	0 1	PASS	1	G	T	0/1	PASS						
380	ATM	11	108,228,356	1	T	C	1 1	PASS	1	T	C	1/1	PASS						
381	ATM	11	108,228,581	1	A	G	0 1	PASS	1	A	G	0/1	PASS						
382	ATM	11	108,229,317	0	-	-	-	-	1	A	G	1/1	PASS						
383	ATM	11	108,229,498	1	A	G	0 1	PASS	1	A	G	0/1	PASS						
384	ATM	11	108,230,169	1	G	A	0 1	PASS	1	G	A	0/1	PASS						
385	ATM	11	108,230,436	1	T	C	1 1	PASS	1	T	C	1/1	PASS						
386	ATM	11	108,230,680	1	G	T	1 0	PASS	1	G	T	0/1	PASS						
387	ATM	11	108,231,000	1	G	GT	0 1	PASS	0	-	-	-	-						
388	ATM	11	108,231,309	1	C	A	0 1	PASS	1	C	A	0/1	PASS						
389	ATM	11	108,231,471	0	-	-	-	-	1	C	A	1/1	PASS						
390	ATM	11	108,232,357	1	T	C	1 0	PASS	0	-	-	-	-						
391	ATM	11	108,232,464	1	C	T	0 1	PASS	0	-	-	-	-						
392	ATM	11	108,232,475	1	G	T	0 1	PASS	0	-	-	-	-						
393	ATM	11	108,233,538	1	C	T	0 1	PASS	1	C	T	1/1	PASS						
394	ATM	11	108,233,800	1	C	A	0 1	PASS	1	C	A	0/1	PASS						
395	ATM	11	108,233,939	1	T	A	0 1	PASS	1	T	A	0/1	PASS						
396	ATM	11	108,235,115	1	C	A	0 1	PASS	1	C	A	0/1	PASS						

Crystal Genetics (WGS-based) Cancer Gene Panel

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Features & Coordinates				Platinum_7.1.0					NA12878					Crystal_1.0				
				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com									
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter					
397	ATM	11	108,236,775	0	-	-	-	-	1	AC	C	0/1	PASS					
398	ATM	11	108,236,783	1	G	T	0 1	PASS	1	G	T	0/1	PASS					
399	ATM	11	108,237,839	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
400	ATM	11	108,239,628	1	G	T	0 1	PASS	1	G	T	0/1	PASS					
401	-	11	108,240,069	1	G	A	0 1	PASS	1	G	A	0/1	PASS					
402	-	11	108,241,339	1	G	GT	0 1	PASS	0	-	-	-	-					
403	-	11	108,241,344	1	G	T	0 1	PASS	1	G	T	0/1	PASS					
404	-	11	108,241,349	1	G	T	0 1	PASS	1	G	T,TT	1/2	PASS					
405	-	11	108,241,929	1	C	T	1 1	PASS	1	C	T	1/1	PASS					
406	-	2	215,588,005	1	C	T	1 1	PASS	1	C	T	1/1	PASS					
407	-	2	215,588,229	1	A	AAAC	1 1	PASS	1	A	AAAC	1/1	PASS					
408	-	2	215,588,590	1	C	G	1 1	PASS	1	C	G	1/1	PASS					
409	-	2	215,588,708	1	CGTGTGTGTGTGT	C,CGTGTGTGTGTGTGT,CGTGTG	1 1	PASS	1	CGTGTGTGTGTGTGT	C	0/1	PASS					
410	-	2	215,589,182	1	G	A	1 1	PASS	1	G	A	1/1	PASS					
411	-	2	215,590,045	1	T	C	1 1	PASS	1	T	C	1/1	PASS					
412	-	2	215,590,336	1	TA	T	1 1	PASS	1	TA	T	1/1	PASS					
413	BARD1	2	215,590,410	1	G	A	1 1	PASS	1	G	A	1/1	PASS					
414	BARD1	2	215,590,582	1	C	T	1 1	PASS	1	C	T	1/1	PASS					
415	BARD1	2	215,590,609	1	G	C	1 0	PASS	1	G	C	0/1	PASS					
416	BARD1	2	215,590,789	1	T	A	0 1	PASS	1	T	A	0/1	PASS					
417	BARD1	2	215,592,160	1	T	G	0 1	PASS	1	T	G	0/1	PASS					
418	BARD1	2	215,592,290	1	C	G	1 1	PASS	1	C	G	1/1	PASS					
419	BARD1	2	215,592,306	1	G	A	0 1	PASS	1	G	A	0/1	PASS					
420	BARD1	2	215,592,906	1	T	A	0 1	PASS	1	T	A	0/1	PASS					
421	BARD1	2	215,593,025	0	-	-	-	-	1	AG	G	0/1	PASS					
422	BARD1	2	215,593,233	1	T	C	0 1	PASS	1	T	C	0/1	PASS					
423	BARD1	2	215,593,261	1	C	CTT,CT	2 1	PASS	0	-	-	-	-					
424	BARD1	2	215,593,277	0	-	-	-	-	1	G	TG,TTG	1/2	PASS					
425	BARD1	2	215,593,851	1	G	C	0 1	PASS	1	G	C	0/1	PASS					
426	BARD1	2	215,593,871	1	T	G	0 1	PASS	1	T	G	0/1	PASS					
427	BARD1	2	215,595,164	1	G	A	1 0	PASS	1	G	A	0/1	PASS					
428	BARD1	2	215,595,440	1	T	A	1 0	PASS	1	T	A	0/1	PASS					
429	BARD1	2	215,595,445	1	C	A	0 1	PASS	1	C	A	0/1	PASS					
430	BARD1	2	215,595,512	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
431	BARD1	2	215,595,645	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
432	BARD1	2	215,595,765	1	C	G	1 1	PASS	1	C	G	1/1	PASS					

Crystal Genetics (WGS-based) Cancer Gene Panel

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				www.illumina.com/platinumgenomes						www.crystalgenetics.com											
				Platinum_7.1.0						NA12878						Crystal_1.0					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter								
433	BARD1	2	215,595,872	0	-	-	-	-	1	G	AA	1/1	PASS								
434	BARD1	2	215,597,171	1	G	C	1 1	PASS	1	G	C	1/1	PASS								
435	BARD1	2	215,597,370	1	C	T	1 1	PASS	1	C	T	1/1	PASS								
436	BARD1	2	215,597,715	1	T	C	0 1	PASS	1	T	C	0/1	PASS								
437	BARD1	2	215,598,082	1	G	A	1 1	PASS	1	G	A	1/1	PASS								
438	BARD1	2	215,598,189	1	G	A	1 1	PASS	1	G	A	1/1	PASS								
439	BARD1	2	215,599,936	1	T	A	1 1	PASS	1	T	A	1/1	PASS								
440	BARD1	2	215,600,080	1	T	C	1 1	PASS	1	T	C	1/1	PASS								
441	BARD1	2	215,600,257	1	G	A	1 0	PASS	1	G	A	0/1	PASS								
442	BARD1	2	215,600,767	1	C	T	1 1	PASS	1	C	T	1/1	PASS								
443	BARD1	2	215,601,629	1	C	A	1 0	PASS	1	C	A	0/1	PASS								
444	BARD1	2	215,602,900	1	C	A	1 0	PASS	1	C	A	0/1	PASS								
445	BARD1	2	215,602,949	1	C	A	1 1	PASS	1	C	A	1/1	PASS								
446	BARD1	2	215,603,338	1	A	T	1 1	PASS	1	A	T	1/1	PASS								
447	BARD1	2	215,603,804	1	T	A	0 1	PASS	1	T	A	0/1	PASS								
448	BARD1	2	215,604,024	1	G	A	0 1	PASS	1	G	A	0/1	PASS								
449	BARD1	2	215,604,252	1	C	A	1 1	PASS	1	C	A	1/1	PASS								
450	BARD1	2	215,605,123	1	TATTA	T	0 1	PASS	0	-	-	-	-								
451	BARD1	2	215,605,127	0	-	-	-	-	1	AATTT	T	0/1	PASS								
452	BARD1	2	215,605,321	1	C	T	1 0	PASS	1	C	T	0/1	PASS								
453	BARD1	2	215,605,716	1	A	C	1 0	PASS	1	A	C	0/1	PASS								
454	BARD1	2	215,606,650	1	TA	T	1 0	PASS	1	TA	T	0/1	PASS								
455	BARD1	2	215,606,726	1	A	G	1 1	PASS	1	A	G	1/1	PASS								
456	BARD1	2	215,607,458	1	T	C	1 0	PASS	1	T	C	0/1	PASS								
457	BARD1	2	215,607,460	1	G	C	1 0	PASS	1	G	C	0/1	PASS								
458	BARD1	2	215,607,599	1	C	T	1 0	PASS	1	C	T	0/1	PASS								
459	BARD1	2	215,607,856	1	T	A	1 0	PASS	1	T	A	0/1	PASS								
460	BARD1	2	215,607,896	1	A	G	1 0	PASS	1	A	G	0/1	PASS								
461	BARD1	2	215,607,978	1	T	A	1 0	PASS	1	T	A	0/1	PASS								
462	BARD1	2	215,608,316	1	A	AT	1 0	PASS	0	-	-	-	-								
463	BARD1	2	215,608,326	0	-	-	-	-	1	G	TG	0/1	PASS								
464	BARD1	2	215,608,381	1	C	T	1 0	PASS	1	C	T	0/1	PASS								
465	BARD1	2	215,608,428	1	CT	C	1 0	PASS	0	-	-	-	-								
466	BARD1	2	215,608,429	0	-	-	-	-	1	TC	C	0/1	PASS								
467	BARD1	2	215,608,492	1	C	G	1 0	PASS	1	C	G	0/1	PASS								
468	BARD1	2	215,608,680	1	T	C	1 0	PASS	1	T	C	0/1	PASS								

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
469	BARD1	2	215,609,645	1	A	G	1 0	PASS	1	A	G	0/1	PASS
470	BARD1	2	215,610,313	1	G	T	1 0	PASS	1	G	T	0/1	PASS
471	BARD1	2	215,610,638	1	A	G	1 0	PASS	1	A	G	0/1	PASS
472	BARD1	2	215,610,740	1	A	T	1 1	PASS	1	A	T	1/1	PASS
473	BARD1	2	215,610,777	1	T	C	0 1	PASS	1	T	C	0/1	PASS
474	BARD1	2	215,611,315	1	CAT	C	1 0	PASS	0	-	-	-	-
475	BARD1	2	215,611,328	0	-	-	-	-	1	ATT	T	0/1	PASS
476	BARD1	2	215,611,488	1	G	C	1 0	PASS	1	G	C	0/1	PASS
477	BARD1	2	215,611,875	1	G	A	1 0	PASS	1	G	A	0/1	PASS
478	BARD1	2	215,613,139	1	T	C	1 0	PASS	1	T	C	0/1	PASS
479	BARD1	2	215,613,442	1	C	G	1 0	PASS	1	C	G	0/1	PASS
480	BARD1	2	215,613,601	1	C	CACTT	1 1	PASS	1	C	CACTT	1/1	PASS
481	BARD1	2	215,613,907	1	GA	G	1 0	PASS	1	GA	G	0/1	PASS
482	BARD1	2	215,614,228	1	C	G	1 0	PASS	1	C	G	0/1	PASS
483	BARD1	2	215,614,506	1	CTT	C	1 0	PASS	0	-	-	-	-
484	BARD1	2	215,614,518	0	-	-	-	-	1	TTA	A	0/1	PASS
485	BARD1	2	215,614,725	0	-	-	-	-	1	T	C	0/1	PASS
486	BARD1	2	215,615,381	1	A	T	1 0	PASS	1	A	T	0/1	PASS
487	BARD1	2	215,615,805	0	-	-	-	-	1	GTGTGTGTGTGTG	C,GTGTGTG	1/2	PASS
488	BARD1	2	215,615,837	0	-	-	-	-	1	GTGTGTATATATATA	A	1/1	PASS
489	BARD1	2	215,615,839	0	-	-	-	-	1	G	A	0/1	PASS
490	BARD1	2	215,616,169	1	G	A	0 1	PASS	1	G	A	0/1	PASS
491	BARD1	2	215,616,708	1	C	T	1 0	PASS	1	C	T	0/1	PASS
492	BARD1	2	215,617,500	1	T	C	0 1	PASS	1	T	C	0/1	PASS
493	BARD1	2	215,617,613	1	A	G	0 1	PASS	1	A	G	0/1	PASS
494	BARD1	2	215,617,953	1	A	G	0 1	PASS	1	A	G	0/1	PASS
495	BARD1	2	215,618,363	1	G	A	1 0	PASS	1	G	A	0/1	PASS
496	BARD1	2	215,618,587	1	A	G	1 0	PASS	1	A	G	0/1	PASS
497	BARD1	2	215,618,779	1	A	G	0 1	PASS	1	A	G	0/1	PASS
498	BARD1	2	215,618,795	1	C	T	1 0	PASS	1	C	T	0/1	PASS
499	BARD1	2	215,619,043	1	G	T	0 1	PASS	1	G	T	0/1	PASS
500	BARD1	2	215,619,658	1	T	C	1 0	PASS	1	T	C	0/1	PASS
501	BARD1	2	215,619,921	1	T	G	1 0	PASS	1	T	G	0/1	PASS
502	BARD1	2	215,620,018	1	C	T	1 1	PASS	1	C	T	1/1	PASS
503	BARD1	2	215,620,525	1	C	T	1 0	PASS	1	C	T	0/1	PASS
504	BARD1	2	215,620,757	1	A	C	1 1	PASS	1	A	C	1/1	PASS

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
505	BARD1	2	215,620,790	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
506	BARD1	2	215,621,122	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
507	BARD1	2	215,621,379	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
508	BARD1	2	215,621,471	1	T	A	0 1	PASS	1	T	A	0 1	PASS		
509	BARD1	2	215,621,548	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
510	BARD1	2	215,621,591	1	C	T	1 1	PASS	1	C	T	0 1	PASS		
511	BARD1	2	215,621,695	1	T	A	0 1	PASS	1	T	A	0 1	PASS		
512	BARD1	2	215,622,230	1	A	T	0 1	PASS	1	A	T	0 1	PASS		
513	BARD1	2	215,622,657	1	C	CA	1 0	PASS	0	-	-	-	-		
514	BARD1	2	215,622,666	0	-	-	-	-	1	G	AG	0 1	PASS		
515	BARD1	2	215,622,955	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
516	BARD1	2	215,623,084	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
517	BARD1	2	215,623,163	1	C	A	1 1	PASS	1	C	A	1 1	PASS		
518	BARD1	2	215,623,390	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
519	BARD1	2	215,624,135	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
520	BARD1	2	215,624,542	1	A	T	0 1	PASS	1	A	T	0 1	PASS		
521	BARD1	2	215,624,679	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
522	BARD1	2	215,625,217	1	C	A	1 0	PASS	1	C	A	0 1	PASS		
523	BARD1	2	215,625,507	1	T	TC	1 0	PASS	0	-	-	-	-		
524	BARD1	2	215,625,508	0	-	-	-	-	1	T	CT	0 1	PASS		
525	BARD1	2	215,625,648	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
526	BARD1	2	215,625,735	0	-	-	-	-	1	G	T	0 1	PASS		
527	BARD1	2	215,625,745	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
528	BARD1	2	215,625,749	1	T	C	1 1	PASS	1	T	C	1 1	PASS		
529	BARD1	2	215,625,795	1	T	TA	0 1	PASS	0	-	-	-	-		
530	BARD1	2	215,625,807	0	-	-	-	-	1	G	AG	0 1	PASS		
531	BARD1	2	215,625,853	1	C	A	1 1	PASS	1	C	A	1 1	PASS		
532	BARD1	2	215,625,975	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
533	BARD1	2	215,626,013	1	GA	G	0 1	PASS	1	GA	G	0 1	PASS		
534	BARD1	2	215,626,187	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
535	BARD1	2	215,626,561	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
536	BARD1	2	215,626,592	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
537	BARD1	2	215,626,952	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
538	BARD1	2	215,627,108	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
539	BARD1	2	215,627,348	1	C	T	1 1	PASS	1	C	T	1 1	PASS		
540	BARD1	2	215,627,380	1	A	C	0 1	PASS	1	A	C	0 1	PASS		

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
541	BARD1	2	215,627,397	1	A	G	0 1	PASS	1	A	G	0 1	PASS
542	BARD1	2	215,627,612	1	C	A	0 1	PASS	1	C	A	0 1	PASS
543	BARD1	2	215,627,999	1	C	T	0 1	PASS	1	C	T	0 1	PASS
544	BARD1	2	215,628,222	1	A	T	0 1	PASS	1	A	T	0 1	PASS
545	BARD1	2	215,628,377	1	A	G	0 1	PASS	1	A	G	0 1	PASS
546	BARD1	2	215,628,389	1	C	T	0 1	PASS	1	C	T	0 1	PASS
547	BARD1	2	215,628,498	1	T	C	0 1	PASS	1	T	C	0 1	PASS
548	BARD1	2	215,628,661	1	C	A	0 1	PASS	1	C	A	0 1	PASS
549	BARD1	2	215,628,760	1	T	C	1 0	PASS	1	T	C	0 1	PASS
550	BARD1	2	215,628,906	1	A	G	0 1	PASS	1	A	G	0 1	PASS
551	BARD1	2	215,629,303	1	C	T	0 1	PASS	1	C	T	0 1	PASS
552	BARD1	2	215,629,322	1	A	G	1 0	PASS	1	A	G	0 1	PASS
553	BARD1	2	215,629,494	1	A	T	0 1	PASS	1	A	T	0 1	PASS
554	BARD1	2	215,629,543	1	G	C	0 1	PASS	1	G	C	0 1	PASS
555	BARD1	2	215,629,681	1	G	GC	0 1	PASS	1	G	GC	0 1	PASS
556	BARD1	2	215,630,372	1	G	T	1 1	PASS	1	G	T	1 1	PASS
557	BARD1	2	215,630,674	1	G	A	1 1	PASS	1	G	A	1 1	PASS
558	BARD1	2	215,630,960	1	T	C	0 1	PASS	1	T	C	0 1	PASS
559	BARD1	2	215,631,260	0	-	-	-	-	1	C	CCT	0 1	PASS
560	BARD1	2	215,631,302	1	G	A	0 1	PASS	1	G	A	0 1	PASS
561	BARD1	2	215,631,343	1	C	CCT	0 1	PASS	1	C	CCT	0 1	PASS
562	BARD1	2	215,631,362	1	G	A	0 1	PASS	1	G	A	0 1	PASS
563	BARD1	2	215,631,413	1	C	T	0 1	PASS	1	C	T	0 1	PASS
564	BARD1	2	215,631,467	1	T	A	0 1	PASS	1	T	A	0 1	PASS
565	BARD1	2	215,631,541	1	C	T	0 1	PASS	1	C	T	0 1	PASS
566	BARD1	2	215,631,644	1	C	G	0 1	PASS	1	C	G	0 1	PASS
567	BARD1	2	215,631,652	1	T	A	0 1	PASS	1	T	A	0 1	PASS
568	BARD1	2	215,631,701	1	T	C	0 1	PASS	1	T	C	0 1	PASS
569	BARD1	2	215,631,932	1	T	C	0 1	PASS	1	T	C	0 1	PASS
570	BARD1	2	215,631,987	1	A	G	0 1	PASS	1	A	G	0 1	PASS
571	BARD1	2	215,632,035	1	A	AAGAG	0 1	PASS	0	-	-	-	-
572	BARD1	2	215,632,036	0	-	-	-	-	1	A	AGAGA	0 1	PASS
573	BARD1	2	215,632,048	1	G	T	0 1	PASS	1	G	T	0 1	PASS
574	BARD1	2	215,632,124	1	ATT	A	0 1	PASS	0	-	-	-	-
575	BARD1	2	215,632,127	0	-	-	-	-	1	TTA	A	0 1	PASS
576	BARD1	2	215,632,155	1	T	C	0 1	PASS	1	T	C	0 1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
577	BARD1	2	215,632,192	1	G	A	0 1	PASS	1	G	A	0 1	PASS
578	BARD1	2	215,632,254	0	-	-	-	-	1	ACA	ATG,ACG	1/2	PASS
579	BARD1	2	215,632,629	1	G	T	0 1	PASS	1	G	T	0 1	PASS
580	BARD1	2	215,632,659	1	A	T	0 1	PASS	1	A	T	0 1	PASS
581	BARD1	2	215,632,703	1	G	GA	0 1	PASS	1	G	GA	0 1	PASS
582	BARD1	2	215,632,808	1	T	C	0 1	PASS	1	T	C	0 1	PASS
583	BARD1	2	215,632,991	1	A	C	0 1	PASS	1	A	C	0 1	PASS
584	BARD1	2	215,633,012	1	CT	C	0 1	PASS	1	CT	C	0 1	PASS
585	BARD1	2	215,633,098	1	C	T	0 1	PASS	1	C	T	0 1	PASS
586	BARD1	2	215,633,162	1	GA	G	0 1	PASS	1	GA	G	0 1	PASS
587	BARD1	2	215,633,226	1	C	T	0 1	PASS	1	C	T	0 1	PASS
588	BARD1	2	215,633,306	1	G	GT	1 1	PASS	1	G	GT	1 1	PASS
589	BARD1	2	215,633,411	1	T	C	0 1	PASS	1	T	C	0 1	PASS
590	BARD1	2	215,633,463	1	A	G	1 1	PASS	1	A	G	1 1	PASS
591	BARD1	2	215,633,486	1	T	C	0 1	PASS	1	T	C	0 1	PASS
592	BARD1	2	215,633,624	1	C	T	1 0	PASS	1	C	T	0 1	PASS
593	BARD1	2	215,634,055	1	C	T	0 1	PASS	1	C	T	0 1	PASS
594	BARD1	2	215,634,232	1	A	G	1 1	PASS	1	A	G	1 1	PASS
595	BARD1	2	215,634,236	1	T	C	1 1	PASS	1	T	C	1 1	PASS
596	BARD1	2	215,634,411	1	G	A	1 1	PASS	1	G	A	1 1	PASS
597	BARD1	2	215,634,494	1	G	A	1 1	PASS	1	G	A	1 1	PASS
598	BARD1	2	215,634,627	1	C	T	0 1	PASS	1	C	T	0 1	PASS
599	BARD1	2	215,634,835	1	T	C	0 1	PASS	1	T	C	0 1	PASS
600	BARD1	2	215,634,993	1	A	C	0 1	PASS	1	A	C	0 1	PASS
601	BARD1	2	215,635,916	1	C	A	1 1	PASS	1	C	A	1 1	PASS
602	BARD1	2	215,636,648	0	-	-	-	-	1	G	GA	0 1	PASS
603	BARD1	2	215,636,667	0	-	-	-	-	1	AG	G	0 1	PASS
604	BARD1	2	215,636,851	1	A	G	1 0	PASS	1	A	G	0 1	PASS
605	BARD1	2	215,636,856	1	A	AT	1 0	PASS	1	A	AT	0 1	PASS
606	BARD1	2	215,637,069	1	C	G	1 0	PASS	1	C	G	0 1	PASS
607	BARD1	2	215,637,127	1	C	T	1 0	PASS	1	C	T	0 1	PASS
608	BARD1	2	215,637,145	1	T	C	1 0	PASS	1	T	C	0 1	PASS
609	BARD1	2	215,637,303	1	T	C	1 0	PASS	1	T	C	0 1	PASS
610	BARD1	2	215,637,319	1	A	G	0 1	PASS	1	A	G	0 1	PASS
611	BARD1	2	215,637,595	1	T	G	1 0	PASS	1	T	G	0 1	PASS
612	BARD1	2	215,637,756	1	G	A	1 0	PASS	1	G	A	0 1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
613	BARD1	2	215,638,360	1	T	TA	0 1	PASS	1	T	TA	0/1	PASS
614	BARD1	2	215,639,612	1	T	G	0 1	PASS	1	T	G	0/1	PASS
615	BARD1	2	215,640,271	1	T	C	0 1	PASS	1	T	C	0/1	PASS
616	BARD1	2	215,640,396	1	T	C	0 1	PASS	1	T	C	0/1	PASS
617	BARD1	2	215,640,911	1	G	A	1 1	PASS	1	G	A	1/1	PASS
618	BARD1	2	215,641,112	1	T	C	1 0	PASS	1	T	C	0/1	PASS
619	BARD1	2	215,641,655	1	C	G	0 1	PASS	1	C	G	0/1	PASS
620	BARD1	2	215,642,236	1	T	C	1 0	PASS	1	T	C	0/1	PASS
621	BARD1	2	215,642,918	1	C	T	0 1	PASS	1	C	T	0/1	PASS
622	BARD1	2	215,642,940	1	A	C	1 0	PASS	1	A	C	0/1	PASS
623	BARD1	2	215,643,483	1	A	G	0 1	PASS	1	A	G	0/1	PASS
624	BARD1	2	215,645,030	1	T	C	1 0	PASS	1	T	C	0/1	PASS
625	BARD1	2	215,645,046	1	C	T	1 1	PASS	1	C	T	0/1	PASS
626	BARD1	2	215,645,135	1	A	G	1 1	PASS	1	A	G	1/1	PASS
627	BARD1	2	215,645,464	1	C	G	0 1	PASS	1	C	G	0/1	PASS
628	BARD1	2	215,646,728	1	C	G	1 0	PASS	1	C	G	0/1	PASS
629	BARD1	2	215,647,386	1	C	A	1 1	PASS	1	C	A	1/1	PASS
630	BARD1	2	215,647,994	1	G	A	1 1	PASS	1	G	A	1/1	PASS
631	BARD1	2	215,649,745	0	-	-	-	-	1	TA	T	0/1	PASS
632	BARD1	2	215,649,795	1	TTCTCCCTCTACC	T	0 1	PASS	1	TTCTCCCTCTACC	T	0/1	PASS
633	BARD1	2	215,651,558	1	G	A	0 1	PASS	1	G	A	0/1	PASS
634	BARD1	2	215,651,796	1	T	C	1 0	PASS	1	T	C	0/1	PASS
635	BARD1	2	215,652,423	1	T	G	1 1	PASS	1	T	G	1/1	PASS
636	BARD1	2	215,652,910	1	A	AT	1 0	PASS	1	A	AT	0/1	PASS
637	BARD1	2	215,653,394	1	A	T	0 1	PASS	1	A	T	0/1	PASS
638	BARD1	2	215,653,640	1	A	T	0 1	PASS	1	A	T	0/1	PASS
639	BARD1	2	215,653,887	1	T	C	1 1	PASS	1	T	C	1/1	PASS
640	BARD1	2	215,654,302	1	G	T	0 1	PASS	1	G	T	0/1	PASS
641	BARD1	2	215,655,287	1	C	T	0 1	PASS	1	C	T	0/1	PASS
642	BARD1	2	215,655,919	1	C	T	1 0	PASS	1	C	T	0/1	PASS
643	BARD1	2	215,656,168	1	C	G	1 1	PASS	1	C	G	1/1	PASS
644	BARD1	2	215,656,260	1	T	C	1 1	PASS	1	T	C	1/1	PASS
645	BARD1	2	215,657,178	0	-	-	-	-	1	T	A	0/1	PASS
646	BARD1	2	215,657,183	0	-	-	-	-	1	AA	A	0/1	PASS
647	BARD1	2	215,657,485	1	C	T	1 0	PASS	1	C	T	0/1	PASS
648	BARD1	2	215,657,560	1	C	T	1 1	PASS	1	C	T	1/1	PASS

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Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
649	BARD1	2	215,657,695	1	A	G	1 0	PASS	1	A	G	0/1	PASS
650	BARD1	2	215,658,254	1	T	C	1 0	PASS	1	T	C	0/1	PASS
651	BARD1	2	215,658,847	1	T	C	1 1	PASS	1	T	C	1/1	PASS
652	BARD1	2	215,658,895	1	A	G	1 1	PASS	1	A	G	1/1	PASS
653	BARD1	2	215,659,309	1	A	ATTC	1 1	PASS	1	A	ATTC	1/1	PASS
654	BARD1	2	215,659,608	1	C	T	1 0	PASS	1	C	T	0/1	PASS
655	BARD1	2	215,659,787	1	G	A	0 1	PASS	1	G	A	0/1	PASS
656	BARD1	2	215,661,404	1	T	C	1 1	PASS	1	T	C	1/1	PASS
657	BARD1	2	215,663,514	0	-	-	-	-	1	AG	G	0/1	PASS
658	BARD1	2	215,666,573	1	CGG	C,CGGG	2 2	PASS	0	-	-	-	-
659	BARD1	2	215,666,585	0	-	-	-	-	1	T	GG	1/1	PASS
660	BARD1	2	215,666,602	1	A	G	1 1	PASS	1	A	G	1/1	PASS
661	BARD1	2	215,666,904	1	T	C	1 0	PASS	1	T	C	0/1	PASS
662	BARD1	2	215,667,788	1	C	CA	1 0	PASS	1	C	CA	0/1	PASS
663	BARD1	2	215,669,746	1	T	G	1 0	PASS	1	T	G	0/1	PASS
664	BARD1	2	215,671,317	1	A	G	1 1	PASS	1	A	G	1/1	PASS
665	BARD1	2	215,671,372	1	C	T	1 1	PASS	1	C	T	1/1	PASS
666	BARD1	2	215,671,476	1	T	C	0 1	PASS	1	T	C	0/1	PASS
667	BARD1	2	215,671,600	0	-	-	-	-	1	G	GAAA	0/1	PASS
668	BARD1	2	215,672,347	1	C	T	0 1	PASS	1	C	T	0/1	PASS
669	BARD1	2	215,672,461	1	T	TGAGGCTCA	1 1	PASS	1	T	TGAGGCTCA	1/1	PASS
670	BARD1	2	215,672,546	1	G	T	1 1	PASS	1	G	T	1/1	PASS
671	BARD1	2	215,672,793	1	G	C	1 1	PASS	1	G	C	1/1	PASS
672	BARD1	2	215,672,827	1	C	T	1 1	PASS	1	C	T	1/1	PASS
673	BARD1	2	215,672,833	1	A	G	1 0	PASS	1	A	G	0/1	PASS
674	BARD1	2	215,673,069	1	C	T	0 1	PASS	1	C	T	0/1	PASS
675	BARD1	2	215,673,218	1	G	GA	1 1	PASS	1	G	GA	1/1	PASS
676	BARD1	2	215,673,424	1	CAAG	C	1 1	PASS	0	-	-	-	-
677	BARD1	2	215,673,430	0	-	-	-	-	1	GAAG	G	1/1	PASS
678	BARD1	2	215,673,440	1	T	C	1 1	PASS	1	T	C	1/1	PASS
679	BARD1	2	215,673,664	1	C	T	1 1	PASS	1	C	T	1/1	PASS
680	BARD1	2	215,673,739	1	T	G	1 1	PASS	1	T	G	1/1	PASS
681	BARD1	2	215,673,937	1	C	T	1 1	PASS	1	C	T	1/1	PASS
682	BARD1	2	215,674,090	1	T	G	1 1	PASS	1	T	G	1/1	PASS
683	BARD1	2	215,674,224	1	G	A	0 1	PASS	1	G	A	0/1	PASS
684	BARD1	2	215,674,323	1	C	G	1 1	PASS	1	C	G	1/1	PASS

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
685	BARD1	2	215,674,341	1	A	G	1 1	PASS	1	A	G	1/1	PASS
686	BARD1	2	215,674,371	1	C	T	1 1	PASS	1	C	T	1/1	PASS
687	-	2	215,674,436	1	C	T	1 1	PASS	1	C	G,T	1/2	PASS
688	-	2	215,675,118	1	G	A	1 1	PASS	1	G	A	1/1	PASS
689	-	2	215,675,397	1	C	T	0 1	PASS	1	C	T	0/1	PASS
690	-	10	88,515,072	1	T	C	0 1	PASS	1	T	C	0/1	PASS
691	-	10	88,515,966	1	G	A	0 1	PASS	1	G	A	0/1	PASS
692	-	10	88,516,342	1	C	T	0 1	PASS	1	C	T	0/1	PASS
693	BMPR1A	10	88,516,595	1	T	C	0 1	PASS	1	T	C	0/1	PASS
694	BMPR1A	10	88,518,124	1	ATT	A,ATTT,ATTTT	2 1	PASS	1	ATT	A,ATTT	1/2	PASS
695	BMPR1A	10	88,518,956	1	G	A	0 1	PASS	1	G	A	0/1	PASS
696	BMPR1A	10	88,519,714	1	C	T	0 1	PASS	1	C	T	0/1	PASS
697	BMPR1A	10	88,519,947	0	-	-	-	-	1	T	G	0/1	PASS
698	BMPR1A	10	88,520,409	1	A	G	0 1	PASS	1	A	G	0/1	PASS
699	BMPR1A	10	88,521,971	1	T	A	0 1	PASS	1	T	A	0/1	PASS
700	BMPR1A	10	88,522,313	1	T	C	0 1	PASS	1	T	C	0/1	PASS
701	BMPR1A	10	88,522,353	1	T	C	0 1	PASS	1	T	C	0/1	PASS
702	BMPR1A	10	88,522,408	1	G	A	0 1	PASS	1	G	A	0/1	PASS
703	BMPR1A	10	88,522,692	1	C	T	0 1	PASS	1	C	T	0/1	PASS
704	BMPR1A	10	88,522,716	1	T	C	0 1	PASS	1	T	C	0/1	PASS
705	BMPR1A	10	88,522,893	1	C	T	0 1	PASS	1	C	T	0/1	PASS
706	BMPR1A	10	88,522,942	1	C	T	0 1	PASS	1	C	T	0/1	PASS
707	BMPR1A	10	88,522,961	1	G	A	0 1	PASS	1	G	A	0/1	PASS
708	BMPR1A	10	88,523,137	1	C	T	0 1	PASS	1	C	T	0/1	PASS
709	BMPR1A	10	88,523,633	1	T	C	0 1	PASS	1	T	C	0/1	PASS
710	BMPR1A	10	88,523,739	1	A	G	0 1	PASS	1	A	G	0/1	PASS
711	BMPR1A	10	88,523,800	1	A	G	0 1	PASS	1	A	G	0/1	PASS
712	BMPR1A	10	88,524,173	1	G	A	0 1	PASS	1	G	A	0/1	PASS
713	BMPR1A	10	88,524,209	1	T	G	0 1	PASS	1	T	G	0/1	PASS
714	BMPR1A	10	88,524,448	1	G	C	0 1	PASS	1	G	C	0/1	PASS
715	BMPR1A	10	88,524,969	1	G	A	0 1	PASS	1	G	A	0/1	PASS
716	BMPR1A	10	88,525,145	1	A	G	0 1	PASS	1	A	G	0/1	PASS
717	BMPR1A	10	88,525,746	0	-	-	-	-	1	C	CTTTT	0/1	PASS
718	BMPR1A	10	88,526,263	1	G	A	0 1	PASS	1	G	A	0/1	PASS
719	BMPR1A	10	88,526,374	0	-	-	-	-	1	C	CT	0/1	PASS
720	BMPR1A	10	88,530,481	1	C	A	0 1	PASS	1	C	A	0/1	PASS

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				Platinum_7.1.0				NA12878				Crystal_1.0			
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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
721	BMPR1A	10	88,531,300	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
722	BMPR1A	10	88,531,894	0	-	-	-	-	1	TT	GT,T	1/2	PASS		
723	BMPR1A	10	88,532,510	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
724	BMPR1A	10	88,533,607	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
725	BMPR1A	10	88,533,611	1	C	CT	0 1	PASS	1	C	CT	0 1	PASS		
726	BMPR1A	10	88,535,519	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
727	BMPR1A	10	88,537,735	0	-	-	-	-	1	A	C	0 1	PASS		
728	BMPR1A	10	88,537,764	1	CA	C	0 1	PASS	0	-	-	-	-		
729	BMPR1A	10	88,537,780	0	-	-	-	-	1	AT	T	0 1	PASS		
730	BMPR1A	10	88,537,989	1	A	AT	0 1	PASS	1	A	AT	0 1	PASS		
731	BMPR1A	10	88,538,345	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
732	BMPR1A	10	88,538,893	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
733	BMPR1A	10	88,538,911	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
734	BMPR1A	10	88,539,661	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
735	BMPR1A	10	88,539,730	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
736	BMPR1A	10	88,540,614	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
737	BMPR1A	10	88,540,623	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
738	BMPR1A	10	88,540,644	1	GT	G	0 1	PASS	1	GT	G	0 1	PASS		
739	BMPR1A	10	88,540,749	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
740	BMPR1A	10	88,541,812	1	GT	G	1 1	PASS	0	-	-	-	-		
741	BMPR1A	10	88,541,815	0	-	-	-	-	1	TC	C	1/1	PASS		
742	BMPR1A	10	88,543,157	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
743	BMPR1A	10	88,545,147	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
744	BMPR1A	10	88,545,964	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
745	BMPR1A	10	88,546,128	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
746	BMPR1A	10	88,546,168	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
747	BMPR1A	10	88,546,906	1	C	G	0 1	PASS	1	C	G	0 1	PASS		
748	BMPR1A	10	88,546,912	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
749	BMPR1A	10	88,547,006	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
750	BMPR1A	10	88,547,639	1	G	GC	0 1	PASS	1	G	GC	0 1	PASS		
751	BMPR1A	10	88,548,441	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
752	BMPR1A	10	88,549,110	1	G	C	0 1	PASS	1	G	C	0 1	PASS		
753	BMPR1A	10	88,549,113	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
754	BMPR1A	10	88,549,482	0	-	-	-	-	1	AC	A,AA	1/2	PASS		
755	BMPR1A	10	88,549,483	0	-	-	-	-	1	C	A	0 1	PASS		
756	BMPR1A	10	88,549,868	1	TTGCCAC	T	0 1	PASS	0	-	-	-	-		

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
757	BMPR1A	10	88,549,878	0	-	-	-	-	1	CACTGCA	A	0/1	PASS
758	BMPR1A	10	88,549,906	0	-	-	-	-	1	G	A	0/1	PASS
759	BMPR1A	10	88,549,968	0	-	-	-	-	1	A	G	0/1	PASS
760	BMPR1A	10	88,549,971	0	-	-	-	-	1	TATATATATATATATATATAT	A	0/1	PASS
761	BMPR1A	10	88,549,991	1	T	A	0 1	PASS	0	-	-	-	-
762	BMPR1A	10	88,550,099	1	A	C	0 1	PASS	1	A	C	0/1	PASS
763	BMPR1A	10	88,550,432	1	TGAAA	T	0 1	PASS	1	TGAAA	T	0/1	PASS
764	BMPR1A	10	88,550,747	1	T	A	0 1	PASS	1	T	A	0/1	PASS
765	BMPR1A	10	88,550,972	1	CT	C	0 1	PASS	1	CT	C	0/1	PASS
766	BMPR1A	10	88,551,448	0	-	-	-	-	1	CCCTC	T	0/1	PASS
767	BMPR1A	10	88,552,710	1	T	C	0 1	PASS	1	T	C	0/1	PASS
768	BMPR1A	10	88,552,723	1	C	G	0 1	PASS	1	C	G	0/1	PASS
769	BMPR1A	10	88,553,122	1	GT	G	0 1	PASS	0	-	-	-	-
770	BMPR1A	10	88,553,137	0	-	-	-	-	1	TG	G	0/1	PASS
771	BMPR1A	10	88,554,214	1	A	G	0 1	PASS	1	A	G	0/1	PASS
772	BMPR1A	10	88,555,173	1	GTT	GT,GTTT,G	0 1	PASS	0	-	-	-	-
773	BMPR1A	10	88,555,185	0	-	-	-	-	1	TCC	CC	0/1	PASS
774	BMPR1A	10	88,555,187	1	C	T	0 1	PASS	0	-	-	-	-
775	BMPR1A	10	88,556,247	1	CATTTATTTATTT	C	0 1	PASS	1	CATTTATTTATTT	C	0/1	PASS
776	BMPR1A	10	88,556,335	1	C	T	1 1	PASS	1	C	T	1/1	PASS
777	BMPR1A	10	88,556,826	1	T	TTTTTC	0 1	PASS	0	-	-	-	-
778	BMPR1A	10	88,556,832	0	-	-	-	-	1	T	CTTTTT	0/1	PASS
779	BMPR1A	10	88,556,893	1	C	G	0 1	PASS	1	C	G	0/1	PASS
780	BMPR1A	10	88,557,133	1	G	A	0 1	PASS	1	G	A	0/1	PASS
781	BMPR1A	10	88,557,492	1	C	T	0 1	PASS	1	C	T	0/1	PASS
782	BMPR1A	10	88,557,930	1	ATT	A	0 1	PASS	0	-	-	-	-
783	BMPR1A	10	88,557,938	0	-	-	-	-	1	TTA	A	0/1	PASS
784	BMPR1A	10	88,558,223	1	G	A	0 1	PASS	1	G	A	0/1	PASS
785	BMPR1A	10	88,558,471	1	C	T	0 1	PASS	1	C	T	0/1	PASS
786	BMPR1A	10	88,559,262	0	-	-	-	-	1	CCTTTCTTTT	T	0/1	PASS
787	BMPR1A	10	88,559,273	0	-	-	-	-	1	TTTTCT	C	0/1	PASS
788	BMPR1A	10	88,559,278	0	-	-	-	-	1	T	C	0/1	PASS
789	BMPR1A	10	88,560,960	1	T	C	0 1	PASS	1	T	C	0/1	PASS
790	BMPR1A	10	88,561,324	1	T	C	0 1	PASS	1	T	C	0/1	PASS
791	BMPR1A	10	88,562,686	1	G	A	0 1	PASS	1	G	A	0/1	PASS
792	BMPR1A	10	88,562,792	1	C	CT	0 1	PASS	1	C	CT	0/1	PASS

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter					
793	BMPR1A	10	88,563,093	1	GTGT	G	0 1	PASS	0	-	-	-	-					
794	BMPR1A	10	88,563,096	0	-	-	-	-	1	TTGG	G	0/1	PASS					
795	BMPR1A	10	88,563,565	1	G	T	0 1	PASS	1	G	T	0/1	PASS					
796	BMPR1A	10	88,565,134	1	T	TACACACACAC,TACACACAC,TAC	3 1	PASS	1	T	TAC,TACACACACAC	1/2	PASS					
797	BMPR1A	10	88,565,409	1	G	A	0 1	PASS	1	G	A	0/1	PASS					
798	BMPR1A	10	88,565,732	1	C	G	0 1	PASS	1	C	G	0/1	PASS					
799	BMPR1A	10	88,566,556	1	G	C	0 1	PASS	1	G	C	0/1	PASS					
800	BMPR1A	10	88,566,828	1	G	C	0 1	PASS	1	G	C	0/1	PASS					
801	BMPR1A	10	88,566,919	1	A	G	0 1	PASS	1	A	G	0/1	PASS					
802	BMPR1A	10	88,567,036	1	A	G	0 1	PASS	1	A	G	0/1	PASS					
803	BMPR1A	10	88,567,351	1	T	G	0 1	PASS	1	T	G	0/1	PASS					
804	BMPR1A	10	88,567,404	1	A	T	0 1	PASS	1	A	T	0/1	PASS					
805	BMPR1A	10	88,567,668	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
806	BMPR1A	10	88,569,078	1	ACT	A	0 1	PASS	1	ACT	A	0/1	PASS					
807	BMPR1A	10	88,569,723	1	A	ATAT	0 1	PASS	1	A	ATAT	0/1	PASS					
808	BMPR1A	10	88,569,981	0	-	-	-	-	1	A	C	0/1	PASS					
809	BMPR1A	10	88,570,514	1	C	T	1 0	PASS	1	C	T	0/1	PASS					
810	BMPR1A	10	88,570,658	1	TTG	TTGTG,T	0 2	PASS	1	TTG	T	0/1	PASS					
811	BMPR1A	10	88,571,254	1	T	A	0 1	PASS	1	T	A	0/1	PASS					
812	BMPR1A	10	88,571,339	1	T	C	0 1	PASS	1	T	C	0/1	PASS					
813	BMPR1A	10	88,571,778	1	G	A	0 1	PASS	1	G	A	0/1	PASS					
814	BMPR1A	10	88,571,947	1	A	G	0 1	PASS	1	A	G	0/1	PASS					
815	BMPR1A	10	88,572,316	1	C	G	1 0	PASS	1	C	G	0/1	PASS					
816	BMPR1A	10	88,572,319	1	T	A	0 1	PASS	1	T	A	0/1	PASS					
817	BMPR1A	10	88,574,724	1	G	A	0 1	PASS	1	G	A	0/1	PASS					
818	BMPR1A	10	88,575,498	1	A	G	0 1	PASS	1	A	G	0/1	PASS					
819	BMPR1A	10	88,575,778	1	G	C	0 1	PASS	1	G	C	0/1	PASS					
820	BMPR1A	10	88,577,094	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
821	BMPR1A	10	88,578,476	1	T	G	0 1	PASS	1	T	G	0/1	PASS					
822	BMPR1A	10	88,578,819	1	A	G	0 1	PASS	1	A	G	0/1	PASS					
823	BMPR1A	10	88,578,912	1	TTTA	T	0 1	PASS	1	TTTA	T	0/1	PASS					
824	BMPR1A	10	88,579,360	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
825	BMPR1A	10	88,579,469	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
826	BMPR1A	10	88,579,533	1	C	T	0 1	PASS	1	C	T	0/1	PASS					
827	BMPR1A	10	88,580,011	1	G	T	0 1	PASS	1	G	T	0/1	PASS					
828	BMPR1A	10	88,580,037	1	C	T	0 1	PASS	1	C	T	0/1	PASS					

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
829	BMPR1A	10	88,580,443	1	C	G	0 1	PASS	1	C	G	0 1	PASS		
830	BMPR1A	10	88,580,901	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
831	BMPR1A	10	88,582,293	0	-	-	-	-	1	C	CCT	0 1	PASS		
832	BMPR1A	10	88,582,382	1	C	CCT	0 1	PASS	1	C	CCT	0 1	PASS		
833	BMPR1A	10	88,583,490	0	-	-	-	-	1	A	C	0 1	PASS		
834	BMPR1A	10	88,584,475	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
835	BMPR1A	10	88,584,569	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
836	BMPR1A	10	88,584,837	1	C	CT	0 1	PASS	1	C	CT	0 1	PASS		
837	BMPR1A	10	88,585,230	1	TTG	T	0 1	PASS	1	TTG	T	0 1	PASS		
838	BMPR1A	10	88,585,300	1	G	C	0 1	PASS	1	G	C	0 1	PASS		
839	BMPR1A	10	88,585,894	1	CA	C	0 1	PASS	0	-	-	-	-		
840	BMPR1A	10	88,585,897	0	-	-	-	-	1	AC	C	0 1	PASS		
841	BMPR1A	10	88,585,926	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
842	BMPR1A	10	88,586,168	1	A	AACACACAC,AACACACATACACAC	0 1	PASS	1	A	AACACACAC	0 1	PASS		
843	BMPR1A	10	88,586,747	0	-	-	-	-	1	TTATCTTTC	T	0 1	PASS		
844	BMPR1A	10	88,587,880	1	C	G	0 1	PASS	1	C	G	0 1	PASS		
845	BMPR1A	10	88,588,551	0	-	-	-	-	1	A	AT,T	1/2	PASS		
846	BMPR1A	10	88,588,739	1	T	A	0 1	PASS	1	T	A	0 1	PASS		
847	BMPR1A	10	88,592,946	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
848	BMPR1A	10	88,594,456	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
849	BMPR1A	10	88,595,006	1	GA	G,GAA	0 2	PASS	0	-	-	-	-		
850	BMPR1A	10	88,595,021	0	-	-	-	-	1	C	AC	0 1	PASS		
851	BMPR1A	10	88,595,326	0	-	-	-	-	1	AAAAAAAAAAAAAAAAAAG	G	1/1	PASS		
852	BMPR1A	10	88,595,347	0	-	-	-	-	1	G	T	0 1	PASS		
853	BMPR1A	10	88,595,462	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
854	BMPR1A	10	88,596,063	1	C	CCTTTA	0 1	PASS	1	C	CCTTTA	0 1	PASS		
855	BMPR1A	10	88,596,988	1	C	CTGTGTGTGTGTGTG,CTGTGT	0 1	PASS	0	-	-	-	-		
856	BMPR1A	10	88,597,004	1	C	CTGTG,CTGTGTG	0 1	PASS	1	C	G	0 1	PASS		
857	BMPR1A	10	88,597,022	0	-	-	-	-	1	G	C	0 1	PASS		
858	BMPR1A	10	88,598,351	0	-	-	-	-	1	GT	G	1/1	PASS		
859	BMPR1A	10	88,602,314	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
860	BMPR1A	10	88,602,486	1	C	G	0 1	PASS	1	C	G	0 1	PASS		
861	BMPR1A	10	88,605,753	1	C	CA	1 0	PASS	1	C	CA	0 1	PASS		
862	BMPR1A	10	88,606,342	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
863	BMPR1A	10	88,606,478	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
864	BMPR1A	10	88,606,951	1	C	T	0 1	PASS	1	C	T	0 1	PASS		

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
865	BMPR1A	10	88,608,649	1	C	G	0 1	PASS	1	C	G	0 1	PASS		
866	BMPR1A	10	88,610,076	1	C	CAA	0 1	PASS	1	C	CAA	0 1	PASS		
867	BMPR1A	10	88,611,122	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
868	BMPR1A	10	88,612,966	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
869	BMPR1A	10	88,613,354	1	G	GT	0 1	PASS	1	G	GT	0 1	PASS		
870	BMPR1A	10	88,614,706	0	-	-	-	-	1	C	T	0 1	PASS		
871	BMPR1A	10	88,616,353	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
872	BMPR1A	10	88,616,771	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
873	BMPR1A	10	88,617,392	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
874	BMPR1A	10	88,617,577	1	CT	C	0 1	PASS	1	CT	C	0 1	PASS		
875	BMPR1A	10	88,617,752	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
876	BMPR1A	10	88,618,047	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
877	BMPR1A	10	88,618,702	0	-	-	-	-	1	T	C	0 1	PASS		
878	BMPR1A	10	88,620,485	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
879	BMPR1A	10	88,620,759	1	C	G	0 1	PASS	1	C	G	0 1	PASS		
880	BMPR1A	10	88,620,849	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
881	BMPR1A	10	88,621,031	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
882	BMPR1A	10	88,621,899	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
883	BMPR1A	10	88,622,353	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
884	BMPR1A	10	88,622,440	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
885	BMPR1A	10	88,623,529	0	-	-	-	-	1	A	G	0 1	PASS		
886	BMPR1A	10	88,625,499	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
887	BMPR1A	10	88,627,505	1	G	A	1 1	PASS	1	G	A	1 1	PASS		
888	BMPR1A	10	88,628,366	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
889	BMPR1A	10	88,628,535	0	-	-	-	-	1	G	GT	0 1	PASS		
890	BMPR1A	10	88,630,090	1	A	G	1 1	PASS	1	A	G	1 1	PASS		
891	BMPR1A	10	88,631,559	0	-	-	-	-	1	CA	C	0 1	PASS		
892	BMPR1A	10	88,631,628	1	T	A	0 1	PASS	1	T	A	0 1	PASS		
893	BMPR1A	10	88,633,182	0	-	-	-	-	1	A	C	0 1	PASS		
894	BMPR1A	10	88,633,195	1	T	TA	0 1	PASS	1	T	TA	0 1	PASS		
895	BMPR1A	10	88,635,110	1	AC	A	1 1	PASS	1	AC	A	1 1	PASS		
896	BMPR1A	10	88,635,779	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
897	BMPR1A	10	88,636,983	0	-	-	-	-	1	G	T	0 1	PASS		
898	BMPR1A	10	88,638,790	1	A	T	0 1	PASS	1	A	T	0 1	PASS		
899	BMPR1A	10	88,639,910	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
900	BMPR1A	10	88,640,216	1	C	T	0 1	PASS	1	C	T	0 1	PASS		

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
901	BMPR1A	10	88,641,352	1	T	C	0 1	PASS	1	T	C	0 1	PASS
902	BMPR1A	10	88,641,501	1	A	T	0 1	PASS	1	A	T	0 1	PASS
903	BMPR1A	10	88,641,570	1	T	G	0 1	PASS	1	T	G	0 1	PASS
904	BMPR1A	10	88,643,302	1	G	A	0 1	PASS	1	G	A	0 1	PASS
905	BMPR1A	10	88,643,464	0	-	-	-	-	1	T	G	0 1	PASS
906	BMPR1A	10	88,643,644	0	-	-	-	-	1	TC	C	1 1	PASS
907	BMPR1A	10	88,644,231	1	T	C	0 1	PASS	1	T	C	0 1	PASS
908	BMPR1A	10	88,644,418	1	C	T	0 1	PASS	1	C	T	0 1	PASS
909	BMPR1A	10	88,645,818	1	T	C	0 1	PASS	1	T	C	0 1	PASS
910	BMPR1A	10	88,648,547	1	G	A	0 1	PASS	1	G	A	0 1	PASS
911	BMPR1A	10	88,648,602	0	-	-	-	-	1	AG	G	0 1	PASS
912	BMPR1A	10	88,648,670	1	C	T	0 1	PASS	1	C	T	0 1	PASS
913	BMPR1A	10	88,648,672	1	G	A	0 1	PASS	1	G	A	0 1	PASS
914	BMPR1A	10	88,649,763	1	C	T	0 1	PASS	1	C	T	0 1	PASS
915	BMPR1A	10	88,650,607	1	T	C	0 1	PASS	1	T	C	0 1	PASS
916	BMPR1A	10	88,650,672	1	T	C	0 1	PASS	1	T	C	0 1	PASS
917	BMPR1A	10	88,651,267	1	A	G	0 1	PASS	1	A	G	0 1	PASS
918	BMPR1A	10	88,652,922	1	T	C	0 1	PASS	1	T	C	0 1	PASS
919	BMPR1A	10	88,653,300	1	A	G	0 1	PASS	1	A	G	0 1	PASS
920	BMPR1A	10	88,653,321	1	T	C	0 1	PASS	1	T	C	0 1	PASS
921	BMPR1A	10	88,653,544	1	C	CAA	0 1	PASS	1	C	CAA	0 1	PASS
922	BMPR1A	10	88,655,338	1	C	T	0 1	PASS	1	C	T	0 1	PASS
923	BMPR1A	10	88,655,927	0	-	-	-	-	1	A	GAAAA	0 1	PASS
924	BMPR1A	10	88,658,005	1	C	CATAT	0 1	PASS	1	C	CATAT	0 1	PASS
925	BMPR1A	10	88,658,078	1	A	G	0 1	PASS	1	A	G	0 1	PASS
926	BMPR1A	10	88,659,047	1	C	T	0 1	PASS	1	C	T	0 1	PASS
927	BMPR1A	10	88,660,199	1	G	A	0 1	PASS	1	G	A	0 1	PASS
928	BMPR1A	10	88,660,413	1	A	G	0 1	PASS	1	A	G	0 1	PASS
929	BMPR1A	10	88,661,199	1	C	G	0 1	PASS	1	C	G	0 1	PASS
930	BMPR1A	10	88,661,667	1	G	GC	0 1	PASS	1	G	GC	0 1	PASS
931	BMPR1A	10	88,661,887	1	A	G	0 1	PASS	1	A	G	0 1	PASS
932	BMPR1A	10	88,663,643	1	A	G	0 1	PASS	1	A	G	0 1	PASS
933	BMPR1A	10	88,666,168	1	AT	A	0 1	PASS	0	-	-	-	-
934	BMPR1A	10	88,666,176	0	-	-	-	-	1	TA	A	0 1	PASS
935	BMPR1A	10	88,667,327	1	A	AC	0 1	PASS	1	A	AC	0 1	PASS
936	BMPR1A	10	88,673,005	1	G	A	0 1	PASS	1	G	A	0 1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
		Platinum_7.1.0					NA12878			Crystal_1.0					
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes						Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
937	BMPRI1A	10	88,675,181	1	A	C	0 1	PASS	1	A	C	0/1	PASS		
938	BMPRI1A	10	88,675,279	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
939	BMPRI1A	10	88,678,424	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
940	BMPRI1A	10	88,678,748	1	A	T	1 1	PASS	1	A	T	1/1	PASS		
941	BMPRI1A	10	88,679,356	1	TG	T	0 1	PASS	1	TG	T	0/1	PASS		
942	BMPRI1A	10	88,682,999	0	-	-	-	-	1	T	ATGTATATA	0/1	PASS		
943	BMPRI1A	10	88,683,122	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
944	BMPRI1A	10	88,683,890	1	T	A	1 1	PASS	1	T	A	1/1	PASS		
945	BMPRI1A	10	88,683,956	0	-	-	-	-	1	T	C	0/1	PASS		
946	BMPRI1A	10	88,683,959	0	-	-	-	-	1	T	G	0/1	PASS		
947	BMPRI1A	10	88,683,980	0	-	-	-	-	1	G	C	0/1	PASS		
948	BMPRI1A	10	88,684,271	0	-	-	-	-	1	A	AT	0/1	PASS		
949	-	10	88,685,052	1	TTTTA	T	0 1	PASS	0	-	-	-	-		
950	-	10	88,685,056	0	-	-	-	-	1	ATTTG	G	0/1	PASS		
951	-	10	88,685,525	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
952	-	10	88,685,846	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
953	-	17	41,194,885	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
954	-	17	41,195,025	1	T	A	0 1	PASS	1	T	A	0/1	PASS		
955	-	17	41,195,711	1	G	C	0 1	PASS	1	G	C	0/1	PASS		
956	-	17	41,195,773	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
957	BRCA1	17	41,196,408	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
958	BRCA1	17	41,196,821	0	-	-	-	-	1	CTT	C	0/1	PASS		
959	BRCA1	17	41,197,274	1	C	A	0 1	PASS	1	C	A	0/1	PASS		
960	BRCA1	17	41,198,621	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
961	BRCA1	17	41,198,774	0	-	-	-	-	1	C	CA	0/1	PASS		
962	BRCA1	17	41,199,913	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
963	BRCA1	17	41,200,109	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
964	BRCA1	17	41,200,537	1	T	C	0 1	PASS	1	T	C,TT	1/2	PASS		
965	BRCA1	17	41,200,704	1	GT	G	0 1	PASS	1	GT	G	0/1	PASS		
966	BRCA1	17	41,201,702	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
967	BRCA1	17	41,202,688	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
968	BRCA1	17	41,203,325	1	T	A	0 1	PASS	1	T	A	0/1	PASS		
969	BRCA1	17	41,203,591	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
970	BRCA1	17	41,204,377	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
971	BRCA1	17	41,204,383	0	-	-	-	-	1	G	T	0/1	PASS		
972	BRCA1	17	41,204,390	1	T	C	0 1	PASS	1	T	C	0/1	PASS		

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Features & Coordinates		Platinum_7.1.0						NA12878			Crystal_1.0		
		Illumina's Platinum Genomes Variants						Crystal Genetics' Variants					
		www.illumina.com/platinumgenomes						www.crystalgenetics.com					
		idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt
973	BRCA1	17	41,204,836	0	-	-	-	-	1	ACACACT	A	0/1	PASS
974	BRCA1	17	41,204,842	0	-	-	-	-	1	T	A	1/1	PASS
975	BRCA1	17	41,204,845	0	-	-	-	-	1	CTT	T	1/1	PASS
976	BRCA1	17	41,204,856	0	-	-	-	-	1	G	A	0/1	PASS
977	BRCA1	17	41,205,772	1	G	A	0 1	PASS	1	G	A	0/1	PASS
978	BRCA1	17	41,205,941	1	A	G	0 1	PASS	1	A	G	0/1	PASS
979	BRCA1	17	41,206,056	1	T	C	0 1	PASS	1	T	C	0/1	PASS
980	BRCA1	17	41,206,761	1	AT	A	0 1	PASS	1	AT	A	0/1	PASS
981	BRCA1	17	41,209,578	1	T	C	0 1	PASS	1	T	C	0/1	PASS
982	BRCA1	17	41,210,396	1	A	C	0 1	PASS	1	A	C	0/1	PASS
983	BRCA1	17	41,211,486	1	CACA	C,CACAACA,CACAACA	1 3	PASS	0	-	-	-	-
984	BRCA1	17	41,211,488	0	-	-	-	-	1	CAAC	CAACAAC,C	1/2	PASS
985	BRCA1	17	41,211,653	1	A	G	0 1	PASS	1	A	G	0/1	PASS
986	BRCA1	17	41,212,169	1	C	T	0 1	PASS	1	C	T	0/1	PASS
987	BRCA1	17	41,212,338	1	A	C	0 1	PASS	1	A	C	0/1	PASS
988	BRCA1	17	41,212,547	1	C	T	0 1	PASS	1	C	T	0/1	PASS
989	BRCA1	17	41,212,805	1	C	T	0 1	PASS	1	C	T	0/1	PASS
990	BRCA1	17	41,213,602	1	CT	C	0 1	PASS	0	-	-	-	-
991	BRCA1	17	41,213,617	0	-	-	-	-	1	TA	A	0/1	PASS
992	BRCA1	17	41,213,620	0	-	-	-	-	1	G	A	0/1	PASS
993	BRCA1	17	41,213,622	0	-	-	-	-	1	C	A	0/1	PASS
994	BRCA1	17	41,213,626	1	G	T	0 1	PASS	1	G	T	0/1	PASS
995	BRCA1	17	41,213,660	1	T	C	0 1	PASS	1	T	C	0/1	PASS
996	BRCA1	17	41,213,748	1	T	C	1 0	PASS	1	T	C	0/1	PASS
997	BRCA1	17	41,213,893	1	C	T	0 1	PASS	1	C	T	0/1	PASS
998	BRCA1	17	41,213,996	1	C	T	0 1	PASS	1	C	T	0/1	PASS
999	BRCA1	17	41,214,209	1	CAA	C	0 1	PASS	0	-	-	-	-
1000	BRCA1	17	41,214,210	0	-	-	-	-	1	AAG	G	0/1	PASS
1001	BRCA1	17	41,215,825	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1002	BRCA1	17	41,216,205	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1003	BRCA1	17	41,216,865	0	-	-	-	-	1	TG	G	0/1	PASS
1004	BRCA1	17	41,216,933	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1005	BRCA1	17	41,217,874	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1006	BRCA1	17	41,218,333	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1007	BRCA1	17	41,218,572	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1008	BRCA1	17	41,219,341	1	G	T	0 1	PASS	1	G	T	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1009	BRCA1	17	41,219,560	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1010	BRCA1	17	41,219,780	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1011	BRCA1	17	41,219,804	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1012	BRCA1	17	41,220,223	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1013	BRCA1	17	41,222,462	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1014	BRCA1	17	41,222,723	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1015	BRCA1	17	41,223,094	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1016	BRCA1	17	41,223,538	1	G	GAATGTTCACTGTAACAATGCTTGT	0 1	PASS	1	G	GAATGTTCACTGTAACAATGCTTGT	0 1	PASS
1017	BRCA1	17	41,224,833	1	G	C	0 1	PASS	1	G	C	0 1	PASS
1018	BRCA1	17	41,224,892	1	G	GT	1 0	PASS	0	-	-	-	-
1019	BRCA1	17	41,225,781	1	A	T	0 1	PASS	1	A	T	0 1	PASS
1020	BRCA1	17	41,225,783	1	A	T	0 1	PASS	1	A	T	0 1	PASS
1021	BRCA1	17	41,225,839	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1022	BRCA1	17	41,226,601	1	G	C	0 1	PASS	1	G	C	0 1	PASS
1023	BRCA1	17	41,226,675	1	A	T	0 1	PASS	1	A	T	0 1	PASS
1024	BRCA1	17	41,226,736	1	GGGGTT	G	0 1	PASS	1	GGGGTT	G	0 1	PASS
1025	BRCA1	17	41,227,083	1	C	CGGAA	0 1	PASS	1	C	CGGAA	0 1	PASS
1026	BRCA1	17	41,227,593	0	-	-	-	-	1	G	TG	0 1	PASS
1027	BRCA1	17	41,229,352	1	C	CT	0 1	PASS	0	-	-	-	-
1028	BRCA1	17	41,229,366	0	-	-	-	-	1	G	GT	0 1	PASS
1029	BRCA1	17	41,229,386	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1030	BRCA1	17	41,229,760	1	AT	A	0 1	PASS	0	-	-	-	-
1031	BRCA1	17	41,229,762	0	-	-	-	-	1	TT	A	0 1	PASS
1032	BRCA1	17	41,229,763	1	T	A	0 1	PASS	0	-	-	-	-
1033	BRCA1	17	41,229,773	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1034	BRCA1	17	41,229,777	1	G	GT	1 1	PASS	0	-	-	-	-
1035	BRCA1	17	41,229,781	0	-	-	-	-	1	G	GT	0 1	PASS
1036	BRCA1	17	41,229,812	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1037	BRCA1	17	41,229,857	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1038	BRCA1	17	41,229,908	1	T	A	0 1	PASS	0	-	-	-	-
1039	BRCA1	17	41,230,105	1	CT	C	0 1	PASS	0	-	-	-	-
1040	BRCA1	17	41,230,119	0	-	-	-	-	1	TG	G	0 1	PASS
1041	BRCA1	17	41,230,228	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1042	BRCA1	17	41,230,336	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1043	BRCA1	17	41,230,376	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1044	BRCA1	17	41,230,524	1	T	G	0 1	PASS	1	T	G	0 1	PASS

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1045	BRCA1	17	41,230,537	1	A	T	0 1	PASS	1	A	T	0 1	PASS
1046	BRCA1	17	41,230,990	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1047	BRCA1	17	41,231,221	1	A	C	0 1	PASS	1	A	C	0 1	PASS
1048	BRCA1	17	41,231,516	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1049	BRCA1	17	41,231,902	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1050	BRCA1	17	41,232,344	1	G	C	1 1	PASS	1	G	C	1 1	PASS
1051	BRCA1	17	41,232,698	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1052	BRCA1	17	41,234,470	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1053	BRCA1	17	41,235,799	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1054	BRCA1	17	41,237,953	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1055	BRCA1	17	41,238,126	1	T	TACACAC	0 1	PASS	1	T	TACACAC	0 1	PASS
1056	BRCA1	17	41,239,472	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1057	BRCA1	17	41,239,491	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1058	BRCA1	17	41,239,628	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1059	BRCA1	17	41,239,915	1	AT	A	0 1	PASS	0	-	-	-	-
1060	BRCA1	17	41,239,928	0	-	-	-	-	1	TC	C	0 1	PASS
1061	BRCA1	17	41,240,277	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1062	BRCA1	17	41,240,385	0	-	-	-	-	1	C	CT	0 1	PASS
1063	BRCA1	17	41,241,390	1	C	A	0 1	PASS	1	C	A	0 1	PASS
1064	BRCA1	17	41,241,503	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1065	BRCA1	17	41,241,568	1	T	TC	0 1	PASS	1	T	TC	0 1	PASS
1066	BRCA1	17	41,242,083	0	-	-	-	-	1	AGAG	G	0 1	PASS
1067	BRCA1	17	41,242,285	1	T	G	0 1	PASS	1	T	G	0 1	PASS
1068	BRCA1	17	41,243,190	1	T	G	0 1	PASS	1	T	G	0 1	PASS
1069	BRCA1	17	41,244,000	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1070	BRCA1	17	41,244,435	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1071	BRCA1	17	41,244,936	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1072	BRCA1	17	41,245,237	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1073	BRCA1	17	41,245,466	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1074	BRCA1	17	41,247,122	1	A	ACCT	0 1	PASS	1	A	ACCT	0 1	PASS
1075	BRCA1	17	41,247,604	1	A	C	0 1	PASS	1	A	C	0 1	PASS
1076	BRCA1	17	41,248,164	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1077	BRCA1	17	41,248,484	1	G	C	0 1	PASS	1	G	C	0 1	PASS
1078	BRCA1	17	41,249,094	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1079	BRCA1	17	41,249,363	1	TA	T	0 1	PASS	1	TA	T	0 1	PASS
1080	BRCA1	17	41,250,047	1	C	CT	0 1	PASS	0	-	-	-	-

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		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)											
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878		Crystal_1.0					
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1081	BRCA1	17	41,250,678	1	C	CT	0 1	PASS	1	C	CT	0 1	PASS
1082	BRCA1	17	41,250,923	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1083	BRCA1	17	41,251,495	1	C	G	0 1	PASS	1	C	G	0 1	PASS
1084	BRCA1	17	41,251,646	1	T	A	0 1	PASS	1	T	A	0 1	PASS
1085	BRCA1	17	41,252,575	1	G	A	0 1	PASS	0	-	-	-	-
1086	BRCA1	17	41,254,174	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1087	BRCA1	17	41,254,405	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1088	BRCA1	17	41,254,486	1	T	G	0 1	PASS	1	T	G	0 1	PASS
1089	BRCA1	17	41,254,664	0	-	-	-	-	1	A	C	0 1	PASS
1090	BRCA1	17	41,254,956	0	-	-	-	-	1	A	C	1 1	PASS
1091	BRCA1	17	41,254,965	0	-	-	-	-	1	C	CT	0 1	PASS
1092	BRCA1	17	41,255,102	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1093	BRCA1	17	41,255,111	1	A	T	0 1	PASS	1	A	T	0 1	PASS
1094	BRCA1	17	41,256,086	0	-	-	-	-	1	AGAAAAAAAAAGAAAAG	GAG	0 1	PASS
1095	BRCA1	17	41,257,134	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1096	BRCA1	17	41,257,458	1	A	C	0 1	PASS	1	A	C	0 1	PASS
1097	BRCA1	17	41,258,043	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1098	BRCA1	17	41,258,153	0	-	-	-	-	1	G	AG	0 1	PASS
1099	BRCA1	17	41,258,682	0	-	-	-	-	1	T	G	0 1	PASS
1100	BRCA1	17	41,259,049	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1101	BRCA1	17	41,259,113	1	G	A	0 1	PASS	0	-	-	-	-
1102	BRCA1	17	41,259,390	0	-	-	-	-	1	A	T	0 1	PASS
1103	BRCA1	17	41,260,352	1	C	CA	0 1	PASS	1	C	CA	0 1	PASS
1104	BRCA1	17	41,260,808	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1105	BRCA1	17	41,261,058	1	T	TCTATCTACTACCTAC	0 1	PASS	1	T	TCTATCTACTACCTAC	0 1	PASS
1106	BRCA1	17	41,261,233	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1107	BRCA1	17	41,261,915	0	-	-	-	-	1	C	CT	0 1	PASS
1108	BRCA1	17	41,263,044	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1109	BRCA1	17	41,263,117	1	C	CA	0 1	PASS	1	C	CA	0 1	PASS
1110	BRCA1	17	41,263,566	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1111	BRCA1	17	41,264,146	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1112	BRCA1	17	41,264,364	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1113	BRCA1	17	41,264,739	0	-	-	-	-	1	CTGACTATCACAAGCTTGAAC	TTCATCAGTAGGGGTTT	0 1	PASS
1114	BRCA1	17	41,265,776	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1115	BRCA1	17	41,266,137	0	-	-	-	-	1	T	G	0 1	PASS
1116	BRCA1	17	41,266,407	1	C	CT	0 1	PASS	1	C	CT	0 1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

Color Code Description		White = Identical or Equivalent Calls (based on the reported data and Crystal's visual analysis)												
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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)												
		Platinum_7.1.0				NA12878				Crystal_1.0				
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
1117	BRCA1	17	41,267,050	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
1118	BRCA1	17	41,267,518	1	CA	C	0 1	PASS	0	-	-	-	-	
1119	BRCA1	17	41,267,526	0	-	-	-	-	1	AA	A	0/1	PASS	
1120	BRCA1	17	41,268,206	1	A	C	0 1	PASS	1	AAC	CACT	0/1	PASS	
1121	BRCA1	17	41,268,208	1	C	CT	0 1	PASS	0	-	-	-	-	
1122	BRCA1	17	41,270,229	1	T	G	0 1	PASS	1	T	G	0/1	PASS	
1123	BRCA1	17	41,270,277	1	C	T	0 1	PASS	1	C	T	0/1	PASS	
1124	BRCA1	17	41,270,463	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
1125	BRCA1	17	41,270,666	1	C	A	0 1	PASS	1	C	A	0/1	PASS	
1126	BRCA1	17	41,270,778	1	C	CT	0 1	PASS	1	C	CT	0/1	PASS	
1127	BRCA1	17	41,271,293	1	GA	G	0 1	PASS	0	-	-	-	-	
1128	BRCA1	17	41,271,304	0	-	-	-	-	1	AA	A	0/1	PASS	
1129	BRCA1	17	41,273,095	0	-	-	-	-	1	G	A	0/1	PASS	
1130	BRCA1	17	41,273,348	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
1131	BRCA1	17	41,273,379	1	G	C	0 1	PASS	1	G	C	0/1	PASS	
1132	BRCA1	17	41,273,537	1	A	C	0 1	PASS	1	A	C	0/1	PASS	
1133	BRCA1	17	41,274,778	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
1134	BRCA1	17	41,275,081	1	G	GA	0 1	PASS	1	G	GA	0/1	PASS	
1135	BRCA1	17	41,275,151	1	G	C	0 1	PASS	1	G	C	0/1	PASS	
1136	BRCA1	17	41,275,385	0	-	-	-	-	1	TTTTTTG	G	1/1	PASS	
1137	BRCA1	17	41,275,645	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
1138	BRCA1	17	41,276,247	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
1139	BRCA1	17	41,276,348	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
1140	BRCA1	17	41,277,187	1	G	C	0 1	PASS	1	G	C	0/1	PASS	
1141	-	17	41,278,005	1	G	GTGT	0 1	PASS	1	G	GTGT	0/1	PASS	
1142	-	17	41,278,116	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
1143	-	17	41,278,377	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
1144	-	17	41,278,916	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
1145	-	17	41,279,298	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
1146	-	17	41,279,561	1	G	C	0 1	PASS	1	G	C	0/1	PASS	
1147	-	17	41,279,770	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
1148	-	17	41,279,837	1	C	A	0 1	PASS	1	C	A	0/1	PASS	
1149	-	17	41,279,882	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
1150	-	13	32,888,062	1	A	C	1 1	PASS	1	A	C	1/1	PASS	
1151	-	13	32,888,158	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
1152	-	13	32,888,351	1	ATTAGAC	A	1 1	PASS	1	ATTAGAC	A	1/1	PASS	

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1153	-	13	32,888,473	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1154	-	13	32,888,483	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1155	-	13	32,888,709	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1156	BRCA2	13	32,889,968	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1157	BRCA2	13	32,890,026	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1158	BRCA2	13	32,890,227	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1159	BRCA2	13	32,890,572	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1160	BRCA2	13	32,891,798	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1161	BRCA2	13	32,892,217	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1162	BRCA2	13	32,892,735	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1163	BRCA2	13	32,892,760	1	A	C	0 1	PASS	1	A	C	0/1	PASS
1164	BRCA2	13	32,893,791	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1165	BRCA2	13	32,895,377	1	G	C	1 1	PASS	1	G	C	1/1	PASS
1166	BRCA2	13	32,897,289	0	-	-	-	-	1	TT	T	0/1	PASS
1167	BRCA2	13	32,897,305	0	-	-	-	-	1	TTG	G	0/1	PASS
1168	BRCA2	13	32,897,338	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1169	BRCA2	13	32,899,567	1	G	C	0 1	PASS	1	G	C	0/1	PASS
1170	BRCA2	13	32,899,878	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1171	BRCA2	13	32,900,933	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1172	BRCA2	13	32,901,810	0	-	-	-	-	1	AA	A	0/1	PASS
1173	BRCA2	13	32,901,907	0	-	-	-	-	1	TT	T	0/1	PASS
1174	BRCA2	13	32,902,394	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1175	BRCA2	13	32,903,685	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1176	BRCA2	13	32,905,265	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1177	BRCA2	13	32,908,106	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1178	BRCA2	13	32,908,347	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1179	BRCA2	13	32,908,629	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1180	BRCA2	13	32,910,328	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1181	BRCA2	13	32,911,888	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1182	BRCA2	13	32,913,055	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1183	BRCA2	13	32,915,005	1	G	C	1 1	PASS	1	G	C	1/1	PASS
1184	BRCA2	13	32,915,410	1	CAATT	C	0 1	PASS	1	CAATT	C	0/1	PASS
1185	BRCA2	13	32,915,524	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1186	BRCA2	13	32,916,407	0	-	-	-	-	1	CAA	C	0/1	PASS
1187	BRCA2	13	32,917,185	1	GA	G	1 0	PASS	1	GA	G	0/1	PASS
1188	BRCA2	13	32,917,846	1	GA	G	1 0	PASS	1	GA	G	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1189	BRCA2	13	32,918,303	1	GAA	GAAA,GA,G	3 1	PASS	1	GAA	GAAA,G	1/2	PASS
1190	BRCA2	13	32,918,941	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1191	BRCA2	13	32,918,967	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1192	BRCA2	13	32,919,526	1	A	T	1 0	PASS	1	A	T	0/1	PASS
1193	BRCA2	13	32,919,637	1	T	G	0 1	PASS	1	T	G	0/1	PASS
1194	BRCA2	13	32,920,016	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1195	BRCA2	13	32,920,078	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1196	BRCA2	13	32,920,844	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1197	BRCA2	13	32,921,944	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1198	BRCA2	13	32,922,331	1	A	C	0 1	PASS	1	A	C	0/1	PASS
1199	BRCA2	13	32,923,353	0	-	-	-	-	1	CAAAAAAAAAA	C	0/1	PASS
1200	BRCA2	13	32,923,459	0	-	-	-	-	1	C	CA	0/1	PASS
1201	BRCA2	13	32,923,690	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1202	BRCA2	13	32,923,951	0	-	-	-	-	1	CA	C	0/1	PASS
1203	BRCA2	13	32,924,192	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1204	BRCA2	13	32,924,647	1	G	C	0 1	PASS	1	G	C	0/1	PASS
1205	BRCA2	13	32,925,257	1	C	A	1 0	PASS	1	C	A	0/1	PASS
1206	BRCA2	13	32,927,604	1	C	CAGAG	0 1	PASS	0	-	-	-	-
1207	BRCA2	13	32,927,605	0	-	-	-	-	1	TAAAAGC	AGAGTACA	0/1	PASS
1208	BRCA2	13	32,927,607	1	A	C	0 1	PASS	0	-	-	-	-
1209	BRCA2	13	32,927,608	1	AAGC	A	0 1	PASS	0	-	-	-	-
1210	BRCA2	13	32,927,894	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1211	BRCA2	13	32,928,112	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1212	BRCA2	13	32,928,202	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1213	BRCA2	13	32,928,317	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1214	BRCA2	13	32,928,404	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1215	BRCA2	13	32,928,408	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1216	BRCA2	13	32,929,232	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1217	BRCA2	13	32,929,387	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1218	BRCA2	13	32,929,794	0	-	-	-	-	1	T	G	0/1	PASS
1219	BRCA2	13	32,930,936	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1220	BRCA2	13	32,932,613	1	C	CA	1 0	PASS	1	C	CA	0/1	PASS
1221	BRCA2	13	32,933,381	0	-	-	-	-	1	G	AAG	1/1	PASS
1222	BRCA2	13	32,933,926	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1223	BRCA2	13	32,933,937	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1224	BRCA2	13	32,934,911	1	G	A	0 1	PASS	1	G	A	0/1	PASS

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1225	BRCA2	13	32,935,406	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1226	BRCA2	13	32,936,646	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1227	BRCA2	13	32,938,881	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1228	BRCA2	13	32,939,286	1	T	G	1 0	PASS	1	T	G	0/1	PASS
1229	BRCA2	13	32,939,314	1	C	T	1 1	PASS	1	C	T	0/1	PASS
1230	BRCA2	13	32,939,816	0	-	-	-	-	1	TAAC	TTTT	0/1	PASS
1231	BRCA2	13	32,940,345	1	C	A	1 1	PASS	1	C	A	1/1	PASS
1232	BRCA2	13	32,940,888	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1233	BRCA2	13	32,941,716	1	A	AGATGGCTTG	1 1	PASS	1	A	AGATGGCTTG	1/1	PASS
1234	BRCA2	13	32,941,940	0	-	-	-	-	1	A	T	0/1	PASS
1235	BRCA2	13	32,942,945	1	T	G	1 0	PASS	1	T	G	0/1	PASS
1236	BRCA2	13	32,942,947	1	G	T	1 0	PASS	1	G	T	0/1	PASS
1237	BRCA2	13	32,942,956	1	G	GT	0 1	PASS	1	G	GT	0/1	PASS
1238	BRCA2	13	32,943,836	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1239	BRCA2	13	32,944,056	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1240	BRCA2	13	32,944,098	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1241	BRCA2	13	32,945,537	1	A	T	1 0	PASS	1	A	T	0/1	PASS
1242	BRCA2	13	32,945,717	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1243	BRCA2	13	32,946,011	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1244	BRCA2	13	32,946,415	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1245	BRCA2	13	32,946,805	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1246	BRCA2	13	32,947,133	1	C	CT	0 1	PASS	1	C	CT	0/1	PASS
1247	BRCA2	13	32,949,382	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1248	BRCA2	13	32,949,700	0	-	-	-	-	1	C	CT	1/1	PASS
1249	BRCA2	13	32,950,257	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1250	BRCA2	13	32,950,658	1	C	CA	0 1	PASS	1	C	CA	0/1	PASS
1251	BRCA2	13	32,951,111	1	A	C	0 1	PASS	1	A	C	0/1	PASS
1252	BRCA2	13	32,951,115	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1253	BRCA2	13	32,951,454	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1254	BRCA2	13	32,951,596	1	A	C	1 0	PASS	1	A	C	0/1	PASS
1255	BRCA2	13	32,951,727	0	-	-	-	-	1	CA	C	0/1	PASS
1256	BRCA2	13	32,952,485	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1257	BRCA2	13	32,953,182	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1258	BRCA2	13	32,953,388	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1259	BRCA2	13	32,954,561	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1260	BRCA2	13	32,954,671	0	-	-	-	-	1	C	CT	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

Color Code Description		White = Identical or Equivalent Calls (based on the reported data and Crystal's visual analysis)											
		Green = Consistent Calls (based on Crystal's visual analysis of the reads supporting the variants)											
		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)											
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1261	BRCA2	13	32,954,741	1	T	A	1 1	PASS	1	T	A	1/1	PASS
1262	BRCA2	13	32,955,397	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1263	BRCA2	13	32,956,109	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1264	BRCA2	13	32,956,283	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1265	BRCA2	13	32,957,239	1	C	CTGTAATCCAGCACTTTGGGAGGCC	0 1	PASS	1	C	CTGTAATCCAGCACTTTGGGAGGCCAAG	0/1	PASS
1266	BRCA2	13	32,957,819	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1267	BRCA2	13	32,957,972	1	G	C	0 1	PASS	1	G	C	0/1	PASS
1268	BRCA2	13	32,958,466	1	T	G	0 1	PASS	1	T	G	0/1	PASS
1269	BRCA2	13	32,958,649	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1270	BRCA2	13	32,959,199	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1271	BRCA2	13	32,959,240	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1272	BRCA2	13	32,959,839	1	A	C	1 1	PASS	1	A	C	1/1	PASS
1273	BRCA2	13	32,960,363	1	T	G	1 1	PASS	1	T	G	1/1	PASS
1274	BRCA2	13	32,960,704	1	AAAAACCATTGTATGAAGCAGAAA	A	0 1	PASS	1	AAAAACCATTGTATGAAGCAGAAAAAA	A	0/1	PASS
1275	BRCA2	13	32,961,189	1	G	GC	1 1	PASS	1	G	GC	1/1	PASS
1276	BRCA2	13	32,962,045	1	A	C	1 1	PASS	1	A	C	1/1	PASS
1277	BRCA2	13	32,962,088	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1278	BRCA2	13	32,962,258	0	-	-	-	-	1	CT	C,CTT	1/2	PASS
1279	BRCA2	13	32,962,318	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1280	BRCA2	13	32,962,679	1	T	A	1 0	PASS	1	T	A	0/1	PASS
1281	BRCA2	13	32,962,803	1	C	CTT,CTTT,CT	3 0	PASS	1	C	CT	0/1	PASS
1282	BRCA2	13	32,963,707	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1283	BRCA2	13	32,965,651	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1284	BRCA2	13	32,966,726	0	-	-	-	-	1	CAA	C	0/1	PASS
1285	BRCA2	13	32,966,743	0	-	-	-	-	1	AA	A	0/1	PASS
1286	BRCA2	13	32,967,466	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1287	BRCA2	13	32,968,591	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1288	BRCA2	13	32,968,607	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1289	BRCA2	13	32,970,031	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1290	BRCA2	13	32,970,736	1	G	C	1 1	PASS	1	G	C	1/1	PASS
1291	BRCA2	13	32,971,425	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1292	BRCA2	13	32,971,706	1	AT	A	1 1	PASS	1	AT	A	1/1	PASS
1293	BRCA2	13	32,973,276	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1294	BRCA2	13	32,973,439	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1295	BRCA2	13	32,973,736	1	AT	A	0 1	PASS	1	AT	A	0/1	PASS
1296	-	13	32,973,923	1	C	CT	1 0	PASS	0	-	-	-	-

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)											
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
Features & Coordinates		Platinum_7.1.0						NA12878		Crystal_1.0			
		Illumina's Platinum Genomes Variants						Crystal Genetics' Variants					
		www.illumina.com/platinumgenomes						www.crystalgenetics.com					
		idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt
1297	-	13	32,973,939	0	-	-	-	-	1	G	TG	0/1	PASS
1298	-	13	32,974,022	1	C	A	1 1	PASS	1	C	A	1/1	PASS
1299	-	13	32,974,288	1	T	A	1 1	PASS	1	T	A	1/1	PASS
1300	-	17	59,755,001	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1301	-	17	59,755,093	1	G	A	1 1	PASS	1	G	A	0/1	PASS
1302	-	17	59,755,132	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1303	-	17	59,755,256	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1304	-	17	59,755,338	1	A	T	0 1	PASS	1	A	T	0/1	PASS
1305	-	17	59,756,045	1	CT	C	0 1	PASS	1	CT	C	0/1	PASS
1306	BRIP1	17	59,757,143	1	A	C	1 1	PASS	1	A	C	1/1	PASS
1307	BRIP1	17	59,757,169	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1308	BRIP1	17	59,757,542	1	TA	T	0 1	PASS	0	-	-	-	-
1309	BRIP1	17	59,757,845	0	-	-	-	-	1	T	CTTTTTT	0/1	PASS
1310	BRIP1	17	59,758,567	1	C	G	0 1	PASS	1	CTGGGGACA	GTGGG	0/1	PASS
1311	BRIP1	17	59,758,571	1	GGACA	G	0 1	PASS	0	-	-	-	-
1312	BRIP1	17	59,760,174	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1313	BRIP1	17	59,760,499	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1314	BRIP1	17	59,760,996	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1315	BRIP1	17	59,761,706	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1316	BRIP1	17	59,762,452	1	T	G	1 1	PASS	1	T	G	1/1	PASS
1317	BRIP1	17	59,763,114	1	A	T	0 1	PASS	1	A	T	0/1	PASS
1318	BRIP1	17	59,763,347	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1319	BRIP1	17	59,763,465	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1320	BRIP1	17	59,765,696	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1321	BRIP1	17	59,766,387	1	C	CTGTTATGTTATGTTATGTTA	2 2	PASS	1	C	CTGTTATGTTATGTTATGTTA	1/1	PASS
1322	BRIP1	17	59,767,407	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1323	BRIP1	17	59,767,501	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1324	BRIP1	17	59,768,890	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1325	BRIP1	17	59,769,474	1	C	G	1 1	PASS	1	C	G	1/1	PASS
1326	BRIP1	17	59,771,830	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1327	BRIP1	17	59,773,559	1	CTT	C	1 1	PASS	0	-	-	-	-
1328	BRIP1	17	59,773,574	0	-	-	-	-	1	TTT	T	1/1	PASS
1329	BRIP1	17	59,773,601	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1330	BRIP1	17	59,773,675	0	-	-	-	-	1	TCA	TAC	0/1	PASS
1331	BRIP1	17	59,773,676	1	C	A	1 1	PASS	0	-	-	-	-
1332	BRIP1	17	59,773,677	1	A	C	0 1	PASS	0	-	-	-	-

Crystal Genetics (WGS-based) Cancer Gene Panel

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Features & Coordinates		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)													
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
				Platinum_7.1.0				NA12878				Crystal_1.0			
				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes				Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1333	BRIP1	17	59,774,365	0	-	-	-	-	1	GGG	AAAGGG,AAG	1/2	PASS		
1334	BRIP1	17	59,775,041	1	C	A	1 1	PASS	1	C	A	1/1	PASS		
1335	BRIP1	17	59,776,224	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
1336	BRIP1	17	59,778,793	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
1337	BRIP1	17	59,780,211	1	AC	A	0 1	PASS	0	-	-	-	-		
1338	BRIP1	17	59,780,212	0	-	-	-	-	1	CT	T	0/1	PASS		
1339	BRIP1	17	59,780,281	0	-	-	-	-	1	A	C	0/1	PASS		
1340	BRIP1	17	59,780,351	0	-	-	-	-	1	TTG	G	0/1	PASS		
1341	BRIP1	17	59,781,825	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
1342	BRIP1	17	59,782,290	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
1343	BRIP1	17	59,782,863	1	A	T	1 1	PASS	1	A	T	1/1	PASS		
1344	BRIP1	17	59,784,392	1	AT	A	1 0	PASS	1	AT	A	0/1	PASS		
1345	BRIP1	17	59,784,704	1	C	CT	1 1	PASS	1	C	CT	1/1	PASS		
1346	BRIP1	17	59,784,936	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
1347	BRIP1	17	59,785,060	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1348	BRIP1	17	59,785,163	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1349	BRIP1	17	59,785,363	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1350	BRIP1	17	59,785,631	1	TA	T	0 1	PASS	1	TA	T	0/1	PASS		
1351	BRIP1	17	59,785,807	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1352	BRIP1	17	59,786,339	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1353	BRIP1	17	59,786,374	1	T	A	1 1	PASS	1	T	A	0/1	PASS		
1354	BRIP1	17	59,786,535	1	G	T	0 1	PASS	1	G	T	0/1	PASS		
1355	BRIP1	17	59,786,723	0	GGGTGAAGAGT	G	0 1	PASS	1	GGGTGAAGAGT	G	0/1	PASS		
1356	BRIP1	17	59,788,394	0	-	-	-	-	1	CA	CAA,C	1/2	PASS		
1357	BRIP1	17	59,788,895	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1358	BRIP1	17	59,789,231	1	A	T	0 1	PASS	1	A	T	0/1	PASS		
1359	BRIP1	17	59,789,234	1	A	T	0 1	PASS	1	A	T	0/1	PASS		
1360	BRIP1	17	59,789,635	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
1361	BRIP1	17	59,790,259	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1362	BRIP1	17	59,790,263	1	CAA	CA,C	1 2	PASS	1	CAA	C	0/1	PASS		
1363	BRIP1	17	59,791,045	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1364	BRIP1	17	59,791,388	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
1365	BRIP1	17	59,792,232	1	G	T	0 1	PASS	1	G	T	0/1	PASS		
1366	BRIP1	17	59,794,375	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
1367	BRIP1	17	59,794,627	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
1368	BRIP1	17	59,794,707	1	C	T	1 0	PASS	1	C	T	0/1	PASS		

Crystal Genetics (WGS-based) Cancer Gene Panel

Color Code Description		White = Identical or Equivalent Calls (based on the reported data and Crystal's visual analysis)											
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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1369	BRIP1	17	59,796,154	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1370	BRIP1	17	59,796,454	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1371	BRIP1	17	59,796,537	1	G	GC	1 0	PASS	1	G	GC	0/1	PASS
1372	BRIP1	17	59,796,768	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1373	BRIP1	17	59,798,873	0	-	-	-	-	1	A	C	0/1	PASS
1374	BRIP1	17	59,799,105	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1375	BRIP1	17	59,799,397	0	-	-	-	-	1	CT	C	1/1	PASS
1376	BRIP1	17	59,799,648	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1377	BRIP1	17	59,800,787	1	G	C	0 1	PASS	1	G	C	0/1	PASS
1378	BRIP1	17	59,800,827	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1379	BRIP1	17	59,801,441	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1380	BRIP1	17	59,802,483	1	AGT	A	1 0	PASS	0	-	-	-	-
1381	BRIP1	17	59,802,504	0	-	-	-	-	1	GTG	GTA,G	1/2	PASS
1382	BRIP1	17	59,802,506	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1383	BRIP1	17	59,804,310	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1384	BRIP1	17	59,804,336	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1385	BRIP1	17	59,804,480	1	T	G	0 1	PASS	1	T	G	0/1	PASS
1386	BRIP1	17	59,805,111	1	C	CTCTG	0 1	PASS	0	-	-	-	-
1387	BRIP1	17	59,805,135	0	-	-	-	-	1	CTC	C	0/1	PASS
1388	BRIP1	17	59,805,153	0	-	-	-	-	1	A	CTC	0/1	PASS
1389	BRIP1	17	59,805,433	0	-	-	-	-	1	A	C	0/1	PASS
1390	BRIP1	17	59,805,691	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1391	BRIP1	17	59,806,370	1	G	GAGGACGGGCGGCTGTAA	0 1	PASS	0	-	-	-	-
1392	BRIP1	17	59,806,388	0	-	-	-	-	1	C	AGGACGGGCGGCTGTAA	0/1	PASS
1393	BRIP1	17	59,806,508	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1394	BRIP1	17	59,806,805	1	G	GT	0 1	PASS	0	-	-	-	-
1395	BRIP1	17	59,806,807	0	-	-	-	-	1	A	T	0/1	PASS
1396	BRIP1	17	59,806,809	1	G	A	0 1	PASS	1	G	AA	0/1	PASS
1397	BRIP1	17	59,809,248	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1398	BRIP1	17	59,809,274	1	T	TA	0 1	PASS	1	T	TA	0/1	PASS
1399	BRIP1	17	59,809,637	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1400	BRIP1	17	59,810,206	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1401	BRIP1	17	59,810,431	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1402	BRIP1	17	59,811,226	0	-	-	-	-	1	TA	A	0/1	PASS
1403	BRIP1	17	59,812,748	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1404	BRIP1	17	59,812,986	0	-	-	-	-	1	C	CA	0/1	PASS

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1405	BRIP1	17	59,813,173	1	A	T	1 0	PASS	1	A	T	0/1	PASS
1406	BRIP1	17	59,814,282	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1407	BRIP1	17	59,816,282	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1408	BRIP1	17	59,816,957	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1409	BRIP1	17	59,818,861	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1410	BRIP1	17	59,818,922	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1411	BRIP1	17	59,819,668	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1412	BRIP1	17	59,820,068	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1413	BRIP1	17	59,820,170	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1414	BRIP1	17	59,821,173	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1415	BRIP1	17	59,823,697	1	GATA	G	0 1	PASS	0	-	-	-	-
1416	BRIP1	17	59,823,703	0	-	-	-	-	1	AATG	G	0/1	PASS
1417	BRIP1	17	59,823,948	1	CA	C	0 1	PASS	1	CA	C	0/1	PASS
1418	BRIP1	17	59,825,280	0	-	-	-	-	1	G	TG	0/1	PASS
1419	BRIP1	17	59,826,122	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1420	BRIP1	17	59,826,369	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1421	BRIP1	17	59,826,495	0	-	-	-	-	1	T	TA	0/1	PASS
1422	BRIP1	17	59,826,625	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1423	BRIP1	17	59,826,765	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1424	BRIP1	17	59,827,217	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1425	BRIP1	17	59,828,023	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1426	BRIP1	17	59,828,069	1	TAAA	T	0 1	PASS	1	TAAA	T	0/1	PASS
1427	BRIP1	17	59,828,799	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1428	BRIP1	17	59,828,811	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1429	BRIP1	17	59,831,134	1	G	C	0 1	PASS	1	G	C	0/1	PASS
1430	BRIP1	17	59,832,252	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1431	BRIP1	17	59,833,901	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1432	BRIP1	17	59,835,620	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1433	BRIP1	17	59,835,717	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1434	BRIP1	17	59,835,864	1	T	G	0 1	PASS	1	T	G	0/1	PASS
1435	BRIP1	17	59,835,977	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1436	BRIP1	17	59,836,198	0	-	-	-	-	1	TA	T	1/1	PASS
1437	BRIP1	17	59,836,366	1	C	CATAAATAA,CATAA,CATAAATAAA	1 2	PASS	1	C	CATAAATAA,CATAA	1/2	PASS
1438	BRIP1	17	59,837,249	1	GA	G	1 0	PASS	1	GA	G	0/1	PASS
1439	BRIP1	17	59,838,206	1	A	T	1 1	PASS	1	A	T	1/1	PASS
1440	BRIP1	17	59,841,185	1	G	A	0 1	PASS	1	G	A	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1441	BRIP1	17	59,842,692	0	-	-	-	-	1	T	C	0/1	PASS		
1442	BRIP1	17	59,842,715	1	A	ATG	0 1	PASS	0	-	-	-	-		
1443	BRIP1	17	59,842,721	0	-	-	-	-	1	G	GTG	0/1	PASS		
1444	BRIP1	17	59,843,190	1	G	GCACACACACA,GCACA,GCACACAC	0 1	PASS	1	G	GCACACACACA	0/1	PASS		
1445	BRIP1	17	59,844,030	1	A	T	0 1	PASS	1	A	T	0/1	PASS		
1446	BRIP1	17	59,844,979	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
1447	BRIP1	17	59,846,353	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
1448	BRIP1	17	59,846,363	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1449	BRIP1	17	59,848,715	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1450	BRIP1	17	59,849,518	0	-	-	-	-	1	TTATATATATATATATATATATATATA	T	0/1	PASS		
1451	BRIP1	17	59,850,524	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1452	BRIP1	17	59,852,033	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1453	BRIP1	17	59,854,512	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1454	BRIP1	17	59,854,880	0	-	-	-	-	1	CAC	TGC	0/1	PASS		
1455	BRIP1	17	59,855,281	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
1456	BRIP1	17	59,855,689	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
1457	BRIP1	17	59,856,129	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
1458	BRIP1	17	59,856,645	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1459	BRIP1	17	59,856,810	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
1460	BRIP1	17	59,856,842	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1461	BRIP1	17	59,857,275	1	C	A	0 1	PASS	1	C	A	0/1	PASS		
1462	BRIP1	17	59,857,809	1	C	G	0 1	PASS	1	C	G	0/1	PASS		
1463	BRIP1	17	59,859,297	0	-	-	-	-	1	AGT	GGT,AG	1/2	PASS		
1464	BRIP1	17	59,859,299	0	-	-	-	-	1	T	G	1/1	PASS		
1465	BRIP1	17	59,859,767	0	-	-	-	-	1	G	Aa	1/1	PASS		
1466	BRIP1	17	59,859,832	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
1467	BRIP1	17	59,860,079	1	CA	C	1 1	PASS	1	CA	C	1/1	PASS		
1468	BRIP1	17	59,861,978	1	CAGG	C	0 1	PASS	1	CAGG	C	0/1	PASS		
1469	BRIP1	17	59,862,099	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1470	BRIP1	17	59,862,207	0	-	-	-	-	1	ATT	AGC	0/1	PASS		
1471	BRIP1	17	59,862,208	1	T	G	0 1	PASS	0	-	-	-	-		
1472	BRIP1	17	59,862,209	1	T	C	0 1	PASS	0	-	-	-	-		
1473	BRIP1	17	59,863,264	1	C	G	1 1	PASS	1	C	G	1/1	PASS		
1474	BRIP1	17	59,863,289	1	T	TG	1 0	PASS	1	T	TG	0/1	PASS		
1475	BRIP1	17	59,864,003	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1476	BRIP1	17	59,864,754	0	-	-	-	-	1	T	TATATTTATATAAA	0/1	PASS		

Crystal Genetics (WGS-based) Cancer Gene Panel

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Features & Coordinates		Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes						Crystal Genetics' Variants www.crystalgenetics.com					
		Platinum_7.1.0						NA12878					
		Crystal_1.0											
		idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt
1477	BRIP1	17	59,864,883	1	C	G	1 1	PASS	1	C	G	1/1	PASS
1478	BRIP1	17	59,866,036	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1479	BRIP1	17	59,867,229	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1480	BRIP1	17	59,867,497	0	-	-	-	-	1	G	C	0/1	PASS
1481	BRIP1	17	59,867,681	1	G	C	0 1	PASS	1	G	C	0/1	PASS
1482	BRIP1	17	59,867,775	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1483	BRIP1	17	59,869,069	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1484	BRIP1	17	59,869,081	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1485	BRIP1	17	59,869,398	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1486	BRIP1	17	59,870,617	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1487	BRIP1	17	59,872,231	1	GAAGAA	G	0 1	PASS	1	GAAGAA	G	0/1	PASS
1488	BRIP1	17	59,873,238	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1489	BRIP1	17	59,873,625	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1490	BRIP1	17	59,873,879	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1491	BRIP1	17	59,875,329	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1492	BRIP1	17	59,875,609	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1493	BRIP1	17	59,875,925	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1494	BRIP1	17	59,876,784	1	CAG	C	1 1	PASS	0	-	-	-	-
1495	BRIP1	17	59,876,788	0	-	-	-	-	1	GAT	T	1/1	PASS
1496	BRIP1	17	59,877,950	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1497	BRIP1	17	59,877,984	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1498	BRIP1	17	59,878,522	1	C	CA	0 1	PASS	1	C	CA	0/1	PASS
1499	BRIP1	17	59,879,357	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1500	BRIP1	17	59,880,459	1	C	CT	0 1	PASS	1	C	CT	0/1	PASS
1501	BRIP1	17	59,880,581	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1502	BRIP1	17	59,880,961	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1503	BRIP1	17	59,881,320	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1504	BRIP1	17	59,881,422	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1505	BRIP1	17	59,881,771	1	ATGTGTGTGTGTG	A	1 0	PASS	0	-	-	-	-
1506	BRIP1	17	59,881,795	0	-	-	-	-	1	GTGTGTGTGTGTG	GTGTGTGTGTGA,G	1/2	PASS
1507	BRIP1	17	59,881,807	1	G	A,GTA,GTGTA	0 1	PASS	1	G	A	0/1	PASS
1508	BRIP1	17	59,882,355	0	-	-	-	-	1	GTGTGTGTA	A,GTGTA	1/2	PASS
1509	BRIP1	17	59,882,386	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1510	BRIP1	17	59,883,131	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1511	BRIP1	17	59,884,055	1	T	TTTGG	0 1	PASS	1	T	TTTGG	0/1	PASS
1512	BRIP1	17	59,885,229	1	A	C	0 1	PASS	1	A	C	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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Features & Coordinates		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)													
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				Platinum_7.1.0				NA12878				Crystal_1.0			
				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes				Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1513	BRIP1	17	59,885,346	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
1514	BRIP1	17	59,886,992	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
1515	BRIP1	17	59,888,418	1	G	T	0 1	PASS	1	G	T	0 1	PASS		
1516	BRIP1	17	59,888,671	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
1517	BRIP1	17	59,889,714	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
1518	BRIP1	17	59,891,289	1	A	C	0 1	PASS	1	A	C	0 1	PASS		
1519	BRIP1	17	59,891,429	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
1520	BRIP1	17	59,892,118	1	C	A	0 1	PASS	1	C	A	0 1	PASS		
1521	BRIP1	17	59,892,475	1	GA	G	0 1	PASS	1	GA	G	0 1	PASS		
1522	BRIP1	17	59,892,541	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
1523	BRIP1	17	59,893,231	1	T	G	0 1	PASS	1	T	G	0 1	PASS		
1524	BRIP1	17	59,893,497	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
1525	BRIP1	17	59,894,122	1	GA	G	0 1	PASS	0	-	-	-	-		
1526	BRIP1	17	59,894,127	0	-	-	-	-	1	AG	G	0 1	PASS		
1527	BRIP1	17	59,894,708	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
1528	BRIP1	17	59,896,546	1	CAA	C	0 1	PASS	1	CAA	C	0 1	PASS		
1529	BRIP1	17	59,897,411	0	-	-	-	-	1	G	AG	0 1	PASS		
1530	BRIP1	17	59,897,455	1	G	A	1 0	PASS	1	G	A	0 1	PASS		
1531	BRIP1	17	59,898,324	0	-	-	-	-	1	GAAA	A,AA	1/2	PASS		
1532	BRIP1	17	59,898,328	0	-	-	-	-	1	G	A	0 1	PASS		
1533	BRIP1	17	59,898,760	1	T	C	1 0	PASS	1	T	C	0 1	PASS		
1534	BRIP1	17	59,899,790	1	G	T	1 0	PASS	1	G	T	0 1	PASS		
1535	BRIP1	17	59,899,840	1	G	A	1 0	PASS	1	G	A	0 1	PASS		
1536	BRIP1	17	59,901,134	0	-	-	-	-	1	C	T	0 1	PASS		
1537	BRIP1	17	59,901,157	0	-	-	-	-	1	A	ACACACACC	0 1	PASS		
1538	BRIP1	17	59,901,454	1	G	A	1 0	PASS	1	G	A	0 1	PASS		
1539	BRIP1	17	59,902,021	1	T	G	1 0	PASS	1	T	G	0 1	PASS		
1540	BRIP1	17	59,902,983	1	CAAATAAAT	C,CAAATAAATAAAT	1 0	PASS	1	CAAATAAAT	C	0 1	PASS		
1541	BRIP1	17	59,904,453	1	T	TA	1 0	PASS	1	T	TA	0 1	PASS		
1542	BRIP1	17	59,904,796	1	T	A	1 0	PASS	1	T	A	0 1	PASS		
1543	BRIP1	17	59,906,471	1	C	A	1 0	PASS	1	C	A	0 1	PASS		
1544	BRIP1	17	59,906,475	1	G	A	1 0	PASS	1	G	A	0 1	PASS		
1545	BRIP1	17	59,906,865	1	C	CAA,CAAA	1 0	PASS	1	C	CAA	0 1	PASS		
1546	BRIP1	17	59,907,661	0	-	-	-	-	1	T	TA	0 1	PASS		
1547	BRIP1	17	59,907,815	1	ACACAAATT	A	1 0	PASS	1	ACACAAATT	A	0 1	PASS		
1548	BRIP1	17	59,911,031	1	CA	CAA,C	2 1	PASS	1	CA	CAA,C	1/2	PASS		

Crystal Genetics (WGS-based) Cancer Gene Panel

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Features & Coordinates		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)													
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				Platinum_7.1.0				NA12878				Crystal_1.0			
				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes				Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1549	BRIP1	17	59,911,477	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1550	BRIP1	17	59,912,501	1	G	GA	1 0	PASS	1	G	GA	0/1	PASS		
1551	BRIP1	17	59,913,158	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
1552	BRIP1	17	59,913,566	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1553	BRIP1	17	59,914,681	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1554	BRIP1	17	59,914,717	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1555	BRIP1	17	59,914,915	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1556	BRIP1	17	59,915,590	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1557	BRIP1	17	59,915,799	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1558	BRIP1	17	59,916,024	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1559	BRIP1	17	59,916,524	1	T	A	1 0	PASS	1	T	A	0/1	PASS		
1560	BRIP1	17	59,917,389	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1561	BRIP1	17	59,917,604	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1562	BRIP1	17	59,919,361	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1563	BRIP1	17	59,920,876	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
1564	BRIP1	17	59,922,004	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
1565	BRIP1	17	59,923,466	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1566	BRIP1	17	59,923,641	0	-	-	-	-	1	T	G	0/1	PASS		
1567	BRIP1	17	59,923,753	1	CT	C	1 0	PASS	0	-	-	-	-		
1568	BRIP1	17	59,923,764	0	-	-	-	-	1	TG	G	0/1	PASS		
1569	BRIP1	17	59,925,541	1	ATTTAT	A	1 0	PASS	1	ATTTAT	A	0/1	PASS		
1570	BRIP1	17	59,927,559	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1571	BRIP1	17	59,931,767	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
1572	BRIP1	17	59,932,063	0	-	-	-	-	1	CA	C	1/1	PASS		
1573	BRIP1	17	59,932,892	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1574	BRIP1	17	59,933,432	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
1575	BRIP1	17	59,934,862	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1576	BRIP1	17	59,935,787	0	-	-	-	-	1	T	C	1/1	PASS		
1577	BRIP1	17	59,935,935	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
1578	BRIP1	17	59,936,410	0	-	-	-	-	1	C	CA	0/1	PASS		
1579	BRIP1	17	59,940,633	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1580	BRIP1	17	59,940,819	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1581	-	17	59,941,017	1	G	GA	1 0	PASS	1	G	GA	0/1	PASS		
1582	-	16	68,769,326	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
1583	-	16	68,769,464	1	CAAA	CAAAA,C	2 1	PASS	1	CAAA	CAAAA,C	1/2	PASS		
1584	-	16	68,770,288	1	C	A	1 0	PASS	1	C	A	0/1	PASS		

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				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes				Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1585	-	16	68,770,698	1	G	GA	1 1	PASS	1	G	GA	0/1	PASS		
1586	-	16	68,770,846	1	GA	G	1 1	PASS	1	GA	G	1/1	PASS		
1587	-	16	68,771,034	1	C	A	1 0	PASS	1	C	A	0/1	PASS		
1588	CDH1	16	68,771,372	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1589	CDH1	16	68,771,418	1	C	CGCCCCAGCCCCGT	1 1	PASS	1	C	CGCCCCAGCCCCGT	1/1	PASS		
1590	CDH1	16	68,771,547	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
1591	CDH1	16	68,771,905	1	A	C	1 1	PASS	1	A	C	1/1	PASS		
1592	CDH1	16	68,772,681	1	G	T	1 1	PASS	1	G	T	1/1	PASS		
1593	CDH1	16	68,772,827	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1594	CDH1	16	68,773,534	0	-	-	-	-	1	TG	G	1/1	PASS		
1595	CDH1	16	68,773,623	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
1596	CDH1	16	68,773,763	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1597	CDH1	16	68,773,860	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1598	CDH1	16	68,773,912	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1599	CDH1	16	68,774,028	1	CCT	C	1 1	PASS	1	CCT	C	1/1	PASS		
1600	CDH1	16	68,774,071	1	A	AT	1 0	PASS	1	A	AT	0/1	PASS		
1601	CDH1	16	68,774,168	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1602	CDH1	16	68,774,208	0	-	-	-	-	1	A	G	1/1	PASS		
1603	CDH1	16	68,774,283	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1604	CDH1	16	68,774,800	1	G	C	0 1	PASS	1	G	C	0/1	PASS		
1605	CDH1	16	68,774,924	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1606	CDH1	16	68,775,551	0	-	-	-	-	1	CA	A	0/1	PASS		
1607	CDH1	16	68,775,645	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1608	CDH1	16	68,776,246	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1609	CDH1	16	68,776,416	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1610	CDH1	16	68,777,226	0	-	-	-	-	1	CTTTCTTTCTTTCTTC	C	0/1	PASS		
1611	CDH1	16	68,777,239	0	-	-	-	-	1	TTTCTTTCTTTCTTTCTTC	T	0/1	PASS		
1612	CDH1	16	68,777,262	0	-	-	-	-	1	C	TCT	1/1	PASS		
1613	CDH1	16	68,777,280	0	-	-	-	-	1	C	TCTTTCTTTCTTC	1/1	PASS		
1614	CDH1	16	68,778,457	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1615	CDH1	16	68,778,996	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1616	CDH1	16	68,779,450	0	-	-	-	-	1	A	T	0/1	PASS		
1617	CDH1	16	68,779,452	0	-	-	-	-	1	A	T	0/1	PASS		
1618	CDH1	16	68,779,453	0	-	-	-	-	1	A	ATATATATATATG	0/1	PASS		
1619	CDH1	16	68,779,487	0	-	-	-	-	1	AATATATGTGATATATATGTATGTGTA	A	0/1	PASS		
1620	CDH1	16	68,779,494	1	G	GTGTATATATGTATGTATATAT	1 0	PASS	0	-	-	-	-		

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Platinum_7.1.0					NA12878			Crystal_1.0					
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes						Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1621	CDH1	16	68,779,514	1	A	ATATATATATATGTGTATATATATGT	0 1	PASS	0	-	-	-	-		
1622	CDH1	16	68,779,526	0	-	-	-	-	1	A	GTGTATATATATGTATGTGTATATATA	0/1	PASS		
1623	CDH1	16	68,779,693	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
1624	CDH1	16	68,780,069	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1625	CDH1	16	68,781,653	1	T	TTCTC	0 1	PASS	1	T	TTCTC	0/1	PASS		
1626	CDH1	16	68,782,032	0	-	-	-	-	1	TG	G	0/1	PASS		
1627	CDH1	16	68,782,096	1	A	C	0 1	PASS	1	A	C	0/1	PASS		
1628	CDH1	16	68,783,877	1	A	AT	0 1	PASS	1	A	AT	0/1	PASS		
1629	CDH1	16	68,784,587	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1630	CDH1	16	68,784,603	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1631	CDH1	16	68,785,396	1	C	CTTAT	0 1	PASS	1	C	CTTAT	0/1	PASS		
1632	CDH1	16	68,786,467	1	C	CTCTT	0 1	PASS	1	C	CTCTT	0/1	PASS		
1633	CDH1	16	68,786,471	0	-	-	-	-	1	AG	TTCTAG	0/1	PASS		
1634	CDH1	16	68,787,529	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
1635	CDH1	16	68,787,875	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1636	CDH1	16	68,788,019	0	-	-	-	-	1	CA	C	0/1	PASS		
1637	CDH1	16	68,788,909	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
1638	CDH1	16	68,788,984	0	-	-	-	-	1	A	C	0/1	PASS		
1639	CDH1	16	68,789,004	0	-	-	-	-	1	A	C	0/1	PASS		
1640	CDH1	16	68,789,186	0	-	-	-	-	1	AAA	A	1/1	PASS		
1641	CDH1	16	68,789,445	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1642	CDH1	16	68,789,663	0	-	-	-	-	1	AT	A	0/1	PASS		
1643	CDH1	16	68,790,035	0	-	-	-	-	1	A	AT	0/1	PASS		
1644	CDH1	16	68,790,394	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1645	CDH1	16	68,790,502	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1646	CDH1	16	68,791,183	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1647	CDH1	16	68,791,231	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1648	CDH1	16	68,791,306	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1649	CDH1	16	68,791,644	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1650	CDH1	16	68,791,670	1	CTCCT	C	1 0	PASS	1	CTCCT	C	0/1	PASS		
1651	CDH1	16	68,792,050	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
1652	CDH1	16	68,792,093	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
1653	CDH1	16	68,792,712	1	A	ATT	1 0	PASS	1	A	ATT	0/1	PASS		
1654	CDH1	16	68,793,392	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1655	CDH1	16	68,793,536	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1656	CDH1	16	68,793,920	1	A	G	1 1	PASS	1	A	G	1/1	PASS		

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1657	CDH1	16	68,793,989	0	-	-	-	-	1	A	ATATAT	0/1	PASS		
1658	CDH1	16	68,795,374	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1659	CDH1	16	68,796,369	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1660	CDH1	16	68,797,893	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1661	CDH1	16	68,798,682	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1662	CDH1	16	68,799,428	1	A	T	1 1	PASS	1	A	T	1/1	PASS		
1663	CDH1	16	68,799,606	0	-	-	-	-	1	C	CT	0/1	PASS		
1664	CDH1	16	68,799,611	0	-	-	-	-	1	A	G	0/1	PASS		
1665	CDH1	16	68,799,944	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1666	CDH1	16	68,800,035	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
1667	CDH1	16	68,800,452	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1668	CDH1	16	68,800,629	1	G	T	1 1	PASS	1	G	T	1/1	PASS		
1669	CDH1	16	68,800,641	1	C	CT	0 1	PASS	1	C	CT	0/1	PASS		
1670	CDH1	16	68,800,756	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1671	CDH1	16	68,800,838	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1672	CDH1	16	68,800,849	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1673	CDH1	16	68,801,077	1	A	C	0 1	PASS	1	A	C	0/1	PASS		
1674	CDH1	16	68,801,862	1	C	CT	1 0	PASS	0	-	-	-	-		
1675	CDH1	16	68,801,876	0	-	-	-	-	1	G	GT	0/1	PASS		
1676	CDH1	16	68,801,880	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1677	CDH1	16	68,802,038	1	A	G	1 0	PASS	0	-	-	-	-		
1678	CDH1	16	68,802,068	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1679	CDH1	16	68,802,072	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
1680	CDH1	16	68,802,096	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1681	CDH1	16	68,802,282	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1682	CDH1	16	68,802,516	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1683	CDH1	16	68,802,787	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
1684	CDH1	16	68,802,936	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1685	CDH1	16	68,803,222	1	T	G	1 1	PASS	1	T	G	1/1	PASS		
1686	CDH1	16	68,803,324	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
1687	CDH1	16	68,803,369	1	CT	C	0 1	PASS	0	-	-	-	-		
1688	CDH1	16	68,803,382	0	-	-	-	-	1	TC	C	0/1	PASS		
1689	CDH1	16	68,803,614	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
1690	CDH1	16	68,803,726	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1691	CDH1	16	68,803,844	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1692	CDH1	16	68,804,068	1	G	A	1 0	PASS	1	G	A	0/1	PASS		

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1693	CDH1	16	68,804,317	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1694	CDH1	16	68,804,342	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1695	CDH1	16	68,805,610	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1696	CDH1	16	68,805,641	1	A	G	1 1	PASS	1	A	G	0/1	PASS
1697	CDH1	16	68,805,653	0	-	-	-	-	1	CA	C	0/1	PASS
1698	CDH1	16	68,805,805	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1699	CDH1	16	68,806,508	1	C	A	1 0	PASS	1	C	A	0/1	PASS
1700	CDH1	16	68,806,539	1	G	T	1 0	PASS	1	G	T	0/1	PASS
1701	CDH1	16	68,806,586	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1702	CDH1	16	68,806,778	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1703	CDH1	16	68,807,086	0	-	-	-	-	1	GTG	GCA	0/1	PASS
1704	CDH1	16	68,807,828	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1705	CDH1	16	68,808,283	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1706	CDH1	16	68,809,028	1	CAA	C	1 0	PASS	1	CAA	C	0/1	PASS
1707	CDH1	16	68,809,045	0	-	-	-	-	1	G	A	0/1	PASS
1708	CDH1	16	68,809,207	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1709	CDH1	16	68,809,273	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1710	CDH1	16	68,809,278	1	A	C	1 0	PASS	1	A	C	0/1	PASS
1711	CDH1	16	68,809,599	1	G	A	0 1	PASS	1	G	A	0/1	PASS
1712	CDH1	16	68,809,640	1	T	A	1 0	PASS	1	T	A	0/1	PASS
1713	CDH1	16	68,810,923	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1714	CDH1	16	68,811,307	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1715	CDH1	16	68,811,586	1	T	C	1 1	PASS	1	T	C	1/1	PASS
1716	CDH1	16	68,811,737	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1717	CDH1	16	68,812,301	1	A	T	1 0	PASS	1	A	T	0/1	PASS
1718	CDH1	16	68,813,629	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1719	CDH1	16	68,814,204	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1720	CDH1	16	68,814,316	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1721	CDH1	16	68,814,502	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1722	CDH1	16	68,814,590	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1723	CDH1	16	68,814,826	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1724	CDH1	16	68,814,948	1	T	A	1 0	PASS	1	T	A	0/1	PASS
1725	CDH1	16	68,815,000	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1726	CDH1	16	68,815,549	1	T	A	0 1	PASS	1	T	A	0/1	PASS
1727	CDH1	16	68,815,566	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1728	CDH1	16	68,815,838	1	T	A	1 0	PASS	1	T	A	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1729	CDH1	16	68,816,260	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
1730	CDH1	16	68,816,728	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1731	CDH1	16	68,817,256	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1732	CDH1	16	68,817,315	1	G	GA	1 0	PASS	0	-	-	-	-		
1733	CDH1	16	68,817,439	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1734	CDH1	16	68,817,986	1	A	C	1 1	PASS	1	A	C	1/1	PASS		
1735	CDH1	16	68,818,245	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1736	CDH1	16	68,818,390	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1737	CDH1	16	68,818,709	1	CT	C	1 0	PASS	1	CT	C	0/1	PASS		
1738	CDH1	16	68,818,903	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1739	CDH1	16	68,819,007	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1740	CDH1	16	68,819,207	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1741	CDH1	16	68,819,444	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1742	CDH1	16	68,819,614	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1743	CDH1	16	68,819,642	1	C	CT	1 0	PASS	1	C	CT	0/1	PASS		
1744	CDH1	16	68,820,718	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1745	CDH1	16	68,820,946	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1746	CDH1	16	68,821,126	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1747	CDH1	16	68,821,271	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
1748	CDH1	16	68,821,890	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1749	CDH1	16	68,822,019	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1750	CDH1	16	68,822,341	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1751	CDH1	16	68,822,599	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1752	CDH1	16	68,822,854	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1753	CDH1	16	68,822,923	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1754	CDH1	16	68,822,971	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1755	CDH1	16	68,823,124	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1756	CDH1	16	68,823,155	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1757	CDH1	16	68,823,199	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1758	CDH1	16	68,823,436	0	-	-	-	-	1	G	Tg	0/1	PASS		
1759	CDH1	16	68,824,008	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1760	CDH1	16	68,824,148	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
1761	CDH1	16	68,824,220	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
1762	CDH1	16	68,824,492	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1763	CDH1	16	68,826,109	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
1764	CDH1	16	68,826,151	0	-	-	-	-	1	G	GT	0/1	PASS		

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1765	CDH1	16	68,827,620	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1766	CDH1	16	68,827,785	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1767	CDH1	16	68,828,173	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1768	CDH1	16	68,828,250	1	T	G	1 0	PASS	1	T	G	0/1	PASS
1769	CDH1	16	68,828,755	1	AT	A	1 0	PASS	0	-	-	-	-
1770	CDH1	16	68,828,768	0	-	-	-	-	1	TG	G	1/1	PASS
1771	CDH1	16	68,828,885	1	G	A	1 0	PASS	1	G	A	0/1	PASS
1772	CDH1	16	68,829,021	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1773	CDH1	16	68,830,473	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1774	CDH1	16	68,830,511	1	A	T	1 0	PASS	1	A	T	0/1	PASS
1775	CDH1	16	68,830,667	1	G	GA	1 0	PASS	1	G	GA	0/1	PASS
1776	CDH1	16	68,831,981	1	CA	C	1 0	PASS	1	CA	C	0/1	PASS
1777	CDH1	16	68,832,414	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1778	CDH1	16	68,832,750	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1779	CDH1	16	68,832,943	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1780	CDH1	16	68,833,888	1	C	G	1 0	PASS	1	C	G	0/1	PASS
1781	CDH1	16	68,833,936	0	-	-	-	-	1	T	TA	0/1	PASS
1782	CDH1	16	68,834,092	0	-	-	-	-	1	TA	T	0/1	PASS
1783	CDH1	16	68,834,107	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1784	CDH1	16	68,834,156	1	C	G	1 0	PASS	1	C	G	0/1	PASS
1785	CDH1	16	68,836,294	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1786	CDH1	16	68,836,421	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1787	CDH1	16	68,836,491	1	C	G	1 0	PASS	1	C	G	0/1	PASS
1788	CDH1	16	68,836,665	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1789	CDH1	16	68,837,496	1	A	G	1 0	PASS	1	A	G	0/1	PASS
1790	CDH1	16	68,838,041	1	G	A	0 1	PASS	0	-	-	-	-
1791	CDH1	16	68,838,047	1	C	T	0 1	PASS	0	-	-	-	-
1792	CDH1	16	68,839,033	0	-	-	-	-	1	G	A	0/1	PASS
1793	CDH1	16	68,839,263	1	G	T	0 1	PASS	1	G	T	0/1	PASS
1794	CDH1	16	68,839,293	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1795	CDH1	16	68,839,302	1	T	C	0 1	PASS	1	T	C	0/1	PASS
1796	CDH1	16	68,839,735	0	-	-	-	-	1	T	C	0/1	PASS
1797	CDH1	16	68,839,738	0	-	-	-	-	1	A	C	0/1	PASS
1798	CDH1	16	68,840,025	0	-	-	-	-	1	ATATTTATTATT	ATATTTATTATTATT,A	1/2	PASS
1799	CDH1	16	68,840,242	1	A	G	0 1	PASS	1	A	G	0/1	PASS
1800	CDH1	16	68,840,588	1	A	G	0 1	PASS	1	A	G	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1801	CDH1	16	68,843,129	0	-	-	-	-	1	C	T	0/1	PASS
1802	CDH1	16	68,843,159	0	-	-	-	-	1	A	C	0/1	PASS
1803	CDH1	16	68,844,469	1	AT	A	1 0	PASS	1	AT	A	0/1	PASS
1804	CDH1	16	68,844,706	0	-	-	-	-	1	T	G	0/1	PASS
1805	CDH1	16	68,844,836	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1806	CDH1	16	68,845,211	1	A	C	0 1	PASS	1	A	C	0/1	PASS
1807	CDH1	16	68,852,436	0	-	-	-	-	1	C	T	1/1	PASS
1808	CDH1	16	68,854,029	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1809	CDH1	16	68,857,159	0	-	-	-	-	1	G	AG	0/1	PASS
1810	CDH1	16	68,857,441	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1811	CDH1	16	68,861,656	1	T	C	1 0	PASS	1	T	C	0/1	PASS
1812	-	16	68,869,449	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1813	CDK4	12	58,142,854	1	C	A	0 1	PASS	1	C	A	0/1	PASS
1814	CDK4	12	58,143,936	1	CAATAAATAAATA	CAATAAATA,C	0 2	PASS	1	CAATAAATAAATA	C	0/1	PASS
1815	CDK4	12	58,144,665	1	C	T	0 1	PASS	1	C	T	0/1	PASS
1816	CDK4	12	58,145,156	1	C	T	1 0	PASS	1	C	T	0/1	PASS
1817	-	12	58,146,719	1	A	C	0 1	PASS	1	A	C	0/1	PASS
1818	CDKN2A	9	21,968,199	1	C	G	1 1	PASS	1	C	G	1/1	PASS
1819	CDKN2A	9	21,974,218	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1820	CDKN2A	9	21,975,017	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1821	CDKN2A	9	21,976,377	0	-	-	-	-	1	CAA	C	1/1	PASS
1822	CDKN2A	9	21,979,204	1	G	A	1 1	PASS	1	G	A	1/1	PASS
1823	CDKN2A	9	21,980,151	1	A	G	1 1	PASS	1	A	G	1/1	PASS
1824	CDKN2A	9	21,980,944	1	C	T	1 1	PASS	0	-	-	-	-
1825	CDKN2A	9	21,981,123	0	-	-	-	-	1	GTATATATATATACGTGTATATATAT	A	1/1	PASS
1826	CDKN2A	9	21,981,630	0	-	-	-	-	1	C	CT	1/1	PASS
1827	CDKN2A	9	21,986,847	1	T	A	1 1	PASS	1	T	A	1/1	PASS
1828	CDKN2A	9	21,987,874	1	T	A	1 1	PASS	1	T	A	1/1	PASS
1829	CDKN2A	9	21,988,896	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1830	CDKN2A	9	21,990,457	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1831	CDKN2A	9	21,991,294	0	-	-	-	-	1	GT	G	0/1	PASS
1832	CDKN2A	9	21,991,371	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1833	CDKN2A	9	21,993,798	0	-	-	-	-	1	CTGTGTGTG	C,CTG	1/2	PASS
1834	-	9	21,995,882	1	C	T	1 1	PASS	1	C	T	1/1	PASS
1835	-	22	29,082,751	1	AG	A	0 1	PASS	1	AG	A	0/1	PASS
1836	CHEK2	22	29,084,417	0	-	-	-	-	1	A	G	0/1	PASS

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
1837	CHEK2	22	29,086,093	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
1838	CHEK2	22	29,086,635	0	-	-	-	-	1	AT	T	0 1	PASS	
1839	CHEK2	22	29,086,909	0	-	-	-	-	1	A	C	1 1	PASS	
1840	CHEK2	22	29,087,041	1	T	C	0 1	PASS	1	T	C	0 1	PASS	
1841	CHEK2	22	29,087,142	1	G	C	0 1	PASS	1	G	C	0 1	PASS	
1842	CHEK2	22	29,087,375	0	-	-	-	-	1	G	T	0 1	PASS	
1843	CHEK2	22	29,087,398	0	-	-	-	-	1	A	G	0 1	PASS	
1844	CHEK2	22	29,087,413	0	-	-	-	-	1	C	T	0 1	PASS	
1845	CHEK2	22	29,087,448	1	A	G	0 1	PASS	1	A	G	0 1	PASS	
1846	CHEK2	22	29,087,614	0	-	-	-	-	1	A	G	0 1	PASS	
1847	CHEK2	22	29,087,617	0	-	-	-	-	1	A	G	0 1	PASS	
1848	CHEK2	22	29,087,684	0	-	-	-	-	1	C	G	0 1	PASS	
1849	CHEK2	22	29,087,689	0	-	-	-	-	1	G	A	0 1	PASS	
1850	CHEK2	22	29,087,712	0	-	-	-	-	1	G	A	0 1	PASS	
1851	CHEK2	22	29,087,818	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
1852	CHEK2	22	29,087,829	1	G	C	0 1	PASS	1	G	C	0 1	PASS	
1853	CHEK2	22	29,088,123	1	T	C	0 1	PASS	1	T	C	0 1	PASS	
1854	CHEK2	22	29,088,459	1	T	TTTTG	0 1	PASS	1	T	TTTTG	0 1	PASS	
1855	CHEK2	22	29,088,590	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
1856	CHEK2	22	29,088,819	1	C	G	0 1	PASS	1	C	G	0 1	PASS	
1857	CHEK2	22	29,089,095	1	C	A	0 1	PASS	1	C	A	0 1	PASS	
1858	CHEK2	22	29,090,363	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
1859	CHEK2	22	29,090,481	1	G	C	0 1	PASS	1	G	C	0 1	PASS	
1860	CHEK2	22	29,091,037	1	G	C	0 1	PASS	1	G	C	0 1	PASS	
1861	CHEK2	22	29,091,517	0	-	-	-	-	1	CATC	CGCA	0 1	PASS	
1862	CHEK2	22	29,092,639	1	A	G	1 1	PASS	1	A	G	1 1	PASS	
1863	CHEK2	22	29,093,239	1	A	G	1 1	PASS	1	A	G	1 1	PASS	
1864	CHEK2	22	29,093,753	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
1865	CHEK2	22	29,094,084	1	T	A	0 1	PASS	1	T	A	0 1	PASS	
1866	CHEK2	22	29,094,352	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
1867	CHEK2	22	29,094,828	1	A	C	0 1	PASS	1	A	C	0 1	PASS	
1868	CHEK2	22	29,096,361	1	G	A	1 0	PASS	1	G	A	0 1	PASS	
1869	CHEK2	22	29,097,942	0	-	-	-	-	1	A	AT	0 1	PASS	
1870	CHEK2	22	29,098,123	0	-	-	-	-	1	CTGTG	C,CTGTGTGTG	1 2	PASS	
1871	CHEK2	22	29,098,221	1	A	AT	0 1	PASS	1	A	AT	0 1	PASS	
1872	CHEK2	22	29,098,576	1	C	G	1 0	PASS	1	C	G	0 1	PASS	

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
1873	CHEK2	22	29,099,754	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1874	CHEK2	22	29,100,109	0	-	-	-	-	1	GACACAC	GACAC,G	1 2	PASS
1875	CHEK2	22	29,100,564	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1876	CHEK2	22	29,100,711	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1877	CHEK2	22	29,100,977	1	C	G	0 1	PASS	1	C	G	0 1	PASS
1878	CHEK2	22	29,100,985	1	G	C	0 1	PASS	1	G	C	0 1	PASS
1879	CHEK2	22	29,101,308	0	-	-	-	-	1	A	C	0 1	PASS
1880	CHEK2	22	29,101,357	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1881	CHEK2	22	29,101,956	1	A	AAAACATAAACTAACT,AAAACATAA	2 2	PASS	1	A	AAAACATAAACT	1 1	PASS
1882	CHEK2	22	29,102,117	1	T	C	0 1	PASS	1	T	C	0 1	PASS
1883	CHEK2	22	29,102,286	1	TCA	TCACA,T	0 2	PASS	1	TCA	T	0 1	PASS
1884	CHEK2	22	29,102,967	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1885	CHEK2	22	29,104,351	1	A	ATGTGTGTGTGTG,G	1 2	PASS	1	A	ATGTGTGTGTGTG,GTGTGTGTG	1 2	PASS
1886	CHEK2	22	29,104,953	0	-	-	-	-	1	A	C	1 1	PASS
1887	CHEK2	22	29,104,957	0	-	-	-	-	1	AAA	C	1 1	PASS
1888	CHEK2	22	29,104,959	0	-	-	-	-	1	A	C	1 1	PASS
1889	CHEK2	22	29,105,415	1	G	C	0 1	PASS	1	G	C	0 1	PASS
1890	CHEK2	22	29,105,610	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1891	CHEK2	22	29,107,195	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1892	CHEK2	22	29,108,229	1	A	G	0 1	PASS	1	A	G	0 1	PASS
1893	CHEK2	22	29,109,036	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1894	CHEK2	22	29,109,409	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1895	CHEK2	22	29,110,759	1	C	G	1 0	PASS	1	C	G	0 1	PASS
1896	CHEK2	22	29,111,385	1	T	TTTTA	0 1	PASS	1	T	TTTTA	0 1	PASS
1897	CHEK2	22	29,112,187	1	CT	CTT,C	2 0	PASS	0	-	-	-	-
1898	CHEK2	22	29,112,202	0	-	-	-	-	1	TG	G	0 1	PASS
1899	CHEK2	22	29,112,407	0	-	-	-	-	1	A	C	0 1	PASS
1900	CHEK2	22	29,112,428	0	-	-	-	-	1	A	C	0 1	PASS
1901	CHEK2	22	29,114,871	1	AAC	A,AACACAC,AACAC	1 2	PASS	1	AAC	A,AACACAC	1 2	PASS
1902	CHEK2	22	29,115,066	1	C	T	1 0	PASS	1	C	T	0 1	PASS
1903	CHEK2	22	29,116,080	0	-	-	-	-	1	A	AT	1 1	PASS
1904	CHEK2	22	29,118,327	1	G	A	0 1	PASS	1	G	A	0 1	PASS
1905	CHEK2	22	29,119,396	1	C	T	0 1	PASS	1	C	T	0 1	PASS
1906	CHEK2	22	29,121,896	0	-	-	-	-	1	C	CA	1 1	PASS
1907	CHEK2	22	29,123,238	1	A	C	1 1	PASS	1	A	C	1 1	PASS
1908	CHEK2	22	29,123,276	0	-	-	-	-	1	G	A	1 1	PASS

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1909	CHEK2	22	29,123,846	1	T	A	0 1	PASS	1	T	A	0 1	PASS		
1910	CHEK2	22	29,123,993	1	A	G	1 1	PASS	1	A	G	1 1	PASS		
1911	CHEK2	22	29,124,962	1	C	CA	1 1	PASS	1	C	CA	1 1	PASS		
1912	CHEK2	22	29,125,730	1	T	G	1 1	PASS	1	T	G	1 1	PASS		
1913	CHEK2	22	29,125,836	1	T	C	1 1	PASS	1	T	C	1 1	PASS		
1914	CHEK2	22	29,125,965	1	A	C	1 1	PASS	1	A	C	1 1	PASS		
1915	CHEK2	22	29,126,185	1	A	G	1 1	PASS	1	A	G	1 1	PASS		
1916	CHEK2	22	29,126,214	1	G	A	1 1	PASS	1	G	A	1 1	PASS		
1917	CHEK2	22	29,127,402	1	T	C	1 1	PASS	1	T	C	1 1	PASS		
1918	CHEK2	22	29,127,412	1	A	C	1 0	PASS	1	A	C	0 1	PASS		
1919	CHEK2	22	29,127,547	1	G	A	0 1	PASS	1	G	A	0 1	PASS		
1920	CHEK2	22	29,128,013	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
1921	CHEK2	22	29,130,012	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
1922	CHEK2	22	29,130,300	1	C	T	1 0	PASS	1	C	T	0 1	PASS		
1923	CHEK2	22	29,130,813	1	G	GA	1 0	PASS	1	G	GA	0 1	PASS		
1924	CHEK2	22	29,131,129	1	T	C	0 1	PASS	1	T	C	0 1	PASS		
1925	CHEK2	22	29,131,788	1	C	T	0 1	PASS	1	C	T	0 1	PASS		
1926	CHEK2	22	29,132,389	1	G	C	0 1	PASS	1	G	C	0 1	PASS		
1927	CHEK2	22	29,132,752	1	AC	A,ACC	1 0	PASS	0	-	-	-	-		
1928	CHEK2	22	29,132,760	0	-	-	-	-	1	CG	G	0 1	PASS		
1929	CHEK2	22	29,132,990	1	A	G	0 1	PASS	1	A	G	0 1	PASS		
1930	CHEK2	22	29,133,033	1	G	C	0 1	PASS	1	G	C	0 1	PASS		
1931	CHEK2	22	29,133,463	0	-	-	-	-	1	TT	T	0 1	PASS		
1932	CHEK2	22	29,134,559	1	G	C	1 1	PASS	1	G	C	1 1	PASS		
1933	CHEK2	22	29,135,121	1	G	C	1 1	PASS	1	G	C	1 1	PASS		
1934	CHEK2	22	29,136,126	0	-	-	-	-	1	T	G	0 1	PASS		
1935	-	22	29,137,944	1	G	C	1 1	PASS	1	G	C	1 1	PASS		
1936	-	2	47,594,047	1	C	G	1 0	PASS	1	C	G	0 1	PASS		
1937	-	2	47,595,710	1	C	G	1 0	PASS	1	C	G	0 1	PASS		
1938	EPCAM	2	47,596,853	1	C	CG	1 0	PASS	1	C	CG	0 1	PASS		
1939	EPCAM	2	47,599,141	1	A	C	1 0	PASS	1	A	C	0 1	PASS		
1940	EPCAM	2	47,599,802	1	T	A	1 0	PASS	1	T	A	0 1	PASS		
1941	EPCAM	2	47,601,106	1	T	C	1 0	PASS	1	T	C	0 1	PASS		
1942	EPCAM	2	47,601,257	1	T	C	1 0	PASS	1	T	C	0 1	PASS		
1943	EPCAM	2	47,601,407	1	A	G	1 0	PASS	1	A	G	0 1	PASS		
1944	EPCAM	2	47,602,241	1	T	C	1 0	PASS	1	T	C	0 1	PASS		

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1945	EPCAM	2	47,602,789	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1946	EPCAM	2	47,602,846	0	-	-	-	-	1	A	AT	0/1	PASS		
1947	EPCAM	2	47,602,925	0	-	-	-	-	1	A	C	0/1	PASS		
1948	EPCAM	2	47,605,592	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1949	EPCAM	2	47,605,839	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
1950	EPCAM	2	47,606,683	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1951	EPCAM	2	47,606,774	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1952	EPCAM	2	47,609,287	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
1953	EPCAM	2	47,610,673	0	-	-	-	-	1	A	C	0/1	PASS		
1954	EPCAM	2	47,611,644	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
1955	EPCAM	2	47,611,750	0	-	-	-	-	1	T	G	0/1	PASS		
1956	EPCAM	2	47,612,156	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1957	EPCAM	2	47,612,864	1	C	CTG	1 0	PASS	0	-	-	-	-		
1958	EPCAM	2	47,612,866	0	-	-	-	-	1	C	GTC	0/1	PASS		
1959	EPCAM	2	47,612,878	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1960	-	2	47,614,220	0	-	-	-	-	1	G	TTG	1/1	PASS		
1961	-	2	47,614,734	0	-	-	-	-	1	T	TT	0/1	PASS		
1962	-	2	47,614,741	0	-	-	-	-	1	G	TTG,T	1/2	PASS		
1963	-	2	47,614,748	0	-	-	-	-	1	T	G	0/1	PASS		
1964	-	2	47,615,142	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
1965	-	2	47,615,685	1	G	GT	1 0	PASS	0	-	-	-	-		
1966	-	2	47,615,699	0	-	-	-	-	1	G	TG	0/1	PASS		
1967	-	2	47,615,706	0	-	-	-	-	1	A	G	0/1	PASS		
1968	MLH1	3	37,034,946	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1969	MLH1	3	37,040,786	0	-	-	-	-	1	G	A	1/1	PASS		
1970	MLH1	3	37,043,471	0	-	-	-	-	1	G	TG	0/1	PASS		
1971	MLH1	3	37,044,489	1	A	T	0 1	PASS	1	A	T	0/1	PASS		
1972	MLH1	3	37,047,433	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
1973	MLH1	3	37,049,651	0	-	-	-	-	1	G	T	0/1	PASS		
1974	MLH1	3	37,052,772	0	-	-	-	-	1	T	G	0/1	PASS		
1975	MLH1	3	37,052,775	0	-	-	-	-	1	A	G	0/1	PASS		
1976	MLH1	3	37,052,938	0	-	-	-	-	1	T	G	0/1	PASS		
1977	MLH1	3	37,068,697	1	AACACACACAC	A,AACACAC,AACACACACACAC	1 0	PASS	1	AACACACACAC	A	0/1	PASS		
1978	MLH1	3	37,085,040	0	-	-	-	-	1	TT	T	0/1	PASS		
1979	MLH1	3	37,088,102	1	A	AT,T	1 0	PASS	0	-	-	-	-		
1980	MLH1	3	37,088,116	0	-	-	-	-	1	G	TG	0/1	PASS		

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)													
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
1981	-	2	47,628,404	0	-	-	-	-	1	TG	G	0/1	PASS		
1982	-	2	47,628,405	0	-	-	-	-	1	G	TG	1/1	PASS		
1983	MSH2	2	47,640,088	0	-	-	-	-	1	T	C	0/1	PASS		
1984	MSH2	2	47,642,511	0	-	-	-	-	1	C	CT	0/1	PASS		
1985	MSH2	2	47,647,993	0	-	-	-	-	1	T	G	0/1	PASS		
1986	MSH2	2	47,656,464	0	-	-	-	-	1	CT	C	1/1	PASS		
1987	MSH2	2	47,657,196	0	-	-	-	-	1	C	T	0/1	PASS		
1988	MSH2	2	47,660,911	0	-	-	-	-	1	AGTGGCTGCCGGCGGAGGGGCTCCTCA	A	0/1	PASS		
1989	MSH2	2	47,666,348	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
1990	MSH2	2	47,667,013	0	-	-	-	-	1	C	T	0/1	PASS		
1991	MSH2	2	47,667,339	0	-	-	-	-	1	TG	G	0/1	PASS		
1992	MSH2	2	47,667,873	0	-	-	-	-	1	AT	A	0/1	PASS		
1993	MSH2	2	47,668,857	0	-	-	-	-	1	AT	A	0/1	PASS		
1994	MSH2	2	47,672,569	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
1995	MSH2	2	47,675,127	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
1996	MSH2	2	47,678,825	1	T	TTTC,TCTC	2 0	PASS	1	T	TCTC	0/1	PASS		
1997	MSH2	2	47,680,998	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
1998	MSH2	2	47,681,509	1	A	T	1 0	PASS	1	A	T	0/1	PASS		
1999	MSH2	2	47,682,634	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
2000	MSH2	2	47,683,775	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2001	MSH2	2	47,683,858	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2002	MSH2	2	47,684,043	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2003	MSH2	2	47,685,129	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
2004	MSH2	2	47,685,214	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
2005	MSH2	2	47,685,659	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
2006	MSH2	2	47,685,676	1	A	AT	1 0	PASS	1	A	AT	0/1	PASS		
2007	MSH2	2	47,686,573	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
2008	MSH2	2	47,687,649	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
2009	MSH2	2	47,687,990	0	-	-	-	-	1	T	A	1/1	PASS		
2010	MSH2	2	47,689,063	0	-	-	-	-	1	TTTCTT	TTTCTTTTCTT,T	1/2	PASS		
2011	MSH2	2	47,689,173	1	C	CTCTCT	1 0	PASS	1	C	CTCTCT	0/1	PASS		
2012	MSH2	2	47,689,256	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2013	MSH2	2	47,696,111	0	-	-	-	-	1	TG	G	0/1	PASS		
2014	MSH2	2	47,701,362	1	A	T	1 0	PASS	1	A	T	0/1	PASS		
2015	MSH2	2	47,703,379	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
2016	MSH2	2	47,704,027	1	G	C	1 1	PASS	1	G	C	1/1	PASS		

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Features & Coordinates				Platinum_7.1.0								NA12878				Crystal_1.0			
				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes								Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter						
2017	MSH2	2	47,705,022	0	-	-	-	-	1	CCCTT	T	0/1	PASS						
2018	-	2	48,008,633	1	C	CT	0 1	PASS	1	C	CT	0/1	PASS						
2019	-	2	48,008,823	0	-	-	-	-	1	T	G	0/1	PASS						
2020	-	2	48,008,881	1	GC	G	1 1	PASS	1	GC	G	1/1	PASS						
2021	MSH6	2	48,010,488	1	G	A	0 1	PASS	1	G	A	0/1	PASS						
2022	MSH6	2	48,011,021	1	C	G	0 1	PASS	1	C	G	0/1	PASS						
2023	MSH6	2	48,011,308	0	-	-	-	-	1	A	C	0/1	PASS						
2024	MSH6	2	48,011,600	1	C	CT	1 0	PASS	0	-	-	-	-						
2025	MSH6	2	48,011,615	0	-	-	-	-	1	C	TC	0/1	PASS						
2026	MSH6	2	48,012,846	1	C	T	1 0	PASS	1	C	T	0/1	PASS						
2027	MSH6	2	48,013,332	0	-	-	-	-	1	T	G	0/1	PASS						
2028	MSH6	2	48,013,476	0	-	-	-	-	1	A	AT	0/1	PASS						
2029	MSH6	2	48,013,662	1	C	CG	1 1	PASS	1	C	CG	1/1	PASS						
2030	MSH6	2	48,016,157	1	C	G	0 1	PASS	1	C	G	0/1	PASS						
2031	MSH6	2	48,018,030	1	A	G	1 0	PASS	1	A	G	0/1	PASS						
2032	MSH6	2	48,019,485	1	T	C	1 0	PASS	1	T	C	0/1	PASS						
2033	MSH6	2	48,021,176	1	T	C	1 1	PASS	1	T	C	1/1	PASS						
2034	MSH6	2	48,021,204	1	CA	C	1 1	PASS	0	-	-	-	-						
2035	MSH6	2	48,021,205	0	-	-	-	-	1	AG	G	1/1	PASS						
2036	MSH6	2	48,021,246	1	A	G	1 1	PASS	1	A	G	1/1	PASS						
2037	MSH6	2	48,021,254	1	T	C	1 1	PASS	1	T	C	1/1	PASS						
2038	MSH6	2	48,021,278	1	C	G	1 1	PASS	1	C	G	1/1	PASS						
2039	MSH6	2	48,021,379	1	G	C	0 1	PASS	1	G	C	0/1	PASS						
2040	MSH6	2	48,022,561	0	-	-	-	-	1	A	ATGTG	0/1	PASS						
2041	MSH6	2	48,022,900	1	A	G	1 1	PASS	1	A	G	1/1	PASS						
2042	MSH6	2	48,022,981	1	G	T	0 1	PASS	1	G	T	0/1	PASS						
2043	MSH6	2	48,023,433	0	-	-	-	-	1	T	G	0/1	PASS						
2044	MSH6	2	48,024,876	1	C	T	1 1	PASS	1	C	T	1/1	PASS						
2045	MSH6	2	48,030,458	1	G	C	1 1	PASS	1	G	C	1/1	PASS						
2046	MSH6	2	48,030,692	1	T	A	0 1	PASS	1	T	A	0/1	PASS						
2047	MSH6	2	48,030,838	1	A	T	1 0	PASS	1	A	T	0/1	PASS						
2048	MSH6	2	48,031,372	1	C	T	0 1	PASS	1	C	T	0/1	PASS						
2049	MSH6	2	48,031,688	1	AAG	A	0 1	PASS	0	-	-	-	-						
2050	MSH6	2	48,031,689	0	-	-	-	-	1	AGG	G	0/1	PASS						
2051	MSH6	2	48,032,312	1	G	A	0 1	PASS	1	G	A	0/1	PASS						
2052	MSH6	2	48,032,326	1	T	C	1 0	PASS	1	T	C	0/1	PASS						

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
2053	MSH6	2	48,032,613	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2054	MSH6	2	48,032,874	1	ACTAT	A	0 1	PASS	0	-	-	-	-		
2055	MSH6	2	48,032,881	0	-	-	-	-	1	ATCTT	T	0/1	PASS		
2056	MSH6	2	48,032,937	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
2057	MSH6	2	48,033,551	1	C	G	1 1	PASS	1	C	G	1/1	PASS		
2058	MSH6	2	48,033,890	0	-	-	-	-	1	CT	CTT,C	1/2	PASS		
2059	-	2	48,034,806	1	TA	T	0 1	PASS	1	TA	T	0/1	PASS		
2060	-	2	48,035,673	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2061	-	1	45,794,426	1	T	TG	0 1	PASS	1	T	TG	0/1	PASS		
2062	MUTYH	1	45,796,269	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
2063	MUTYH	1	45,796,354	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
2064	MUTYH	1	45,797,230	0	-	-	-	-	1	T	C	0/1	PASS		
2065	MUTYH	1	45,797,505	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
2066	MUTYH	1	45,798,414	0	-	-	-	-	1	A	C	0/1	PASS		
2067	MUTYH	1	45,798,555	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
2068	MUTYH	1	45,802,143	1	C	G	1 1	PASS	1	C	G	1/1	PASS		
2069	MUTYH	1	45,802,670	1	A	C	0 1	PASS	1	A	C	0/1	PASS		
2070	MUTYH	1	45,804,050	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2071	MUTYH	1	45,804,416	1	G	GT	1 0	PASS	0	-	-	-	-		
2072	MUTYH	1	45,804,422	1	T	TTG	0 1	PASS	0	-	-	-	-		
2073	MUTYH	1	45,804,424	0	-	-	-	-	1	TTTG	GT	0/1	PASS		
2074	MUTYH	1	45,804,427	1	G	T	1 0	PASS	0	-	-	-	-		
2075	MUTYH	1	45,804,428	1	TTTG	T	0 1	PASS	0	-	-	-	-		
2076	MUTYH	1	45,804,429	0	-	-	-	-	1	T	G	0/1	PASS		
2077	MUTYH	1	45,804,430	0	-	-	-	-	1	TG	TTG,T	1/2	PASS		
2078	MUTYH	1	45,804,900	0	-	-	-	-	1	G	TG	1/1	PASS		
2079	MUTYH	1	45,805,566	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
2080	-	1	45,806,432	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2081	-	1	45,807,358	1	GT	G	1 0	PASS	0	-	-	-	-		
2082	-	1	45,807,371	0	-	-	-	-	1	TA	A	0/1	PASS		
2083	-	8	90,944,556	1	C	CA	1 0	PASS	1	C	CA	0/1	PASS		
2084	-	8	90,945,032	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2085	-	8	90,945,485	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2086	-	8	90,945,514	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2087	NBN	8	90,946,056	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2088	NBN	8	90,946,601	1	T	G	1 0	PASS	1	T	G	0/1	PASS		

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
2089	NBN	8	90,947,269	1	C	G	1 0	PASS	1	C	G	0/1	PASS
2090	NBN	8	90,947,537	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2091	NBN	8	90,948,273	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2092	NBN	8	90,948,755	1	GGTTT	G	1 0	PASS	1	GGTTT	G	0/1	PASS
2093	NBN	8	90,949,724	1	C	A	1 0	PASS	1	C	A	0/1	PASS
2094	NBN	8	90,949,880	1	A	C	1 0	PASS	1	A	C	0/1	PASS
2095	NBN	8	90,950,688	1	C	A	1 0	PASS	1	C	A	0/1	PASS
2096	NBN	8	90,950,690	1	C	A	1 0	PASS	1	C	A	0/1	PASS
2097	NBN	8	90,950,706	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2098	NBN	8	90,951,103	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2099	NBN	8	90,951,272	1	C	G	1 0	PASS	1	C	G	0/1	PASS
2100	NBN	8	90,951,297	1	T	A	1 0	PASS	1	T	A	0/1	PASS
2101	NBN	8	90,951,485	1	CAG	C	1 0	PASS	1	CAG	C	0/1	PASS
2102	NBN	8	90,951,667	1	C	CA	1 0	PASS	1	C	CA	0/1	PASS
2103	NBN	8	90,952,209	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2104	NBN	8	90,952,378	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2105	NBN	8	90,952,853	1	G	GA	1 0	PASS	1	G	GA	0/1	PASS
2106	NBN	8	90,953,247	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2107	NBN	8	90,953,339	1	G	C	1 0	PASS	1	G	C	0/1	PASS
2108	NBN	8	90,954,481	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2109	NBN	8	90,955,170	1	G	C	1 0	PASS	1	G	C	0/1	PASS
2110	NBN	8	90,955,253	1	T	G	1 0	PASS	1	T	G	0/1	PASS
2111	NBN	8	90,955,266	1	C	CT	1 0	PASS	0	-	-	-	-
2112	NBN	8	90,955,358	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2113	NBN	8	90,955,624	1	T	A	1 0	PASS	1	T	A	0/1	PASS
2114	NBN	8	90,958,422	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2115	NBN	8	90,958,530	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2116	NBN	8	90,959,694	0	-	-	-	-	1	T	C	0/1	PASS
2117	NBN	8	90,960,510	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2118	NBN	8	90,960,546	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2119	NBN	8	90,961,512	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2120	NBN	8	90,961,703	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2121	NBN	8	90,962,041	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2122	NBN	8	90,962,337	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2123	NBN	8	90,962,677	0	-	-	-	-	1	CAT	CA	0/1	PASS
2124	NBN	8	90,962,678	1	AT	A	1 0	PASS	1	AT	A	0/1	PASS

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)											
		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
2125	NBN	8	90,962,976	1	GTTTC	G	1 0	PASS	1	GTTTC	G	0/1	PASS
2126	NBN	8	90,963,117	1	G	C	1 0	PASS	1	G	C	0/1	PASS
2127	NBN	8	90,963,986	1	T	TA	1 0	PASS	1	T	TA	0/1	PASS
2128	NBN	8	90,965,053	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2129	NBN	8	90,967,711	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2130	NBN	8	90,967,862	1	G	T	1 0	PASS	1	G	T	0/1	PASS
2131	NBN	8	90,968,310	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2132	NBN	8	90,968,316	1	T	A	1 0	PASS	1	T	A	0/1	PASS
2133	NBN	8	90,968,425	1	G	GA	1 0	PASS	1	G	GA	0/1	PASS
2134	NBN	8	90,969,535	1	C	A	1 0	PASS	1	C	A	0/1	PASS
2135	NBN	8	90,969,816	1	T	C	1 1	PASS	1	T	C	1/1	PASS
2136	NBN	8	90,970,021	1	T	G	1 0	PASS	1	T	G	0/1	PASS
2137	NBN	8	90,970,047	1	T	G	1 0	PASS	1	T	G	0/1	PASS
2138	NBN	8	90,970,135	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2139	NBN	8	90,970,862	1	G	T	1 0	PASS	1	G	T	0/1	PASS
2140	NBN	8	90,970,935	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2141	NBN	8	90,971,688	1	A	T	1 0	PASS	1	A	T	0/1	PASS
2142	NBN	8	90,972,395	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2143	NBN	8	90,973,051	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2144	NBN	8	90,973,724	1	A	T	1 0	PASS	1	A	T	0/1	PASS
2145	NBN	8	90,974,701	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2146	NBN	8	90,975,003	1	GA	G	1 0	PASS	1	GA	G	0/1	PASS
2147	NBN	8	90,975,150	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2148	NBN	8	90,975,415	1	CG	C	1 0	PASS	0	-	-	-	-
2149	NBN	8	90,975,416	0	-	-	-	-	1	GT	T	0/1	PASS
2150	NBN	8	90,976,116	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2151	NBN	8	90,976,405	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2152	NBN	8	90,977,768	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2153	NBN	8	90,978,655	1	T	A	1 0	PASS	1	T	A	0/1	PASS
2154	NBN	8	90,978,837	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2155	NBN	8	90,980,766	1	G	T	1 0	PASS	1	G	T	0/1	PASS
2156	NBN	8	90,980,804	1	A	G	1 0	PASS	0	-	-	-	-
2157	NBN	8	90,981,171	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2158	NBN	8	90,981,862	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2159	NBN	8	90,984,803	1	G	C	1 0	PASS	1	G	C	0/1	PASS
2160	NBN	8	90,985,333	1	C	G	1 0	PASS	1	C	G	0/1	PASS

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
		Platinum_7.1.0					NA12878					Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes						Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
2161	NBN	8	90,986,130	1	T	TC	1 0	PASS	0	-	-	-	-		
2162	NBN	8	90,986,131	1	T	C	1 1	PASS	1	T	C,CC	1/2	PASS		
2163	NBN	8	90,988,575	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2164	NBN	8	90,988,740	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2165	NBN	8	90,989,238	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
2166	NBN	8	90,989,323	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
2167	NBN	8	90,990,091	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2168	NBN	8	90,990,479	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
2169	NBN	8	90,991,268	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2170	NBN	8	90,991,454	0	-	-	-	-	1	A	C	0/1	PASS		
2171	NBN	8	90,991,571	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
2172	NBN	8	90,992,670	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
2173	NBN	8	90,993,395	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2174	NBN	8	90,993,883	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2175	NBN	8	90,995,019	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2176	NBN	8	90,995,366	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2177	NBN	8	90,995,659	1	CA	C	1 0	PASS	1	CA	C	0/1	PASS		
2178	NBN	8	90,995,971	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2179	NBN	8	90,996,258	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2180	-	8	90,997,339	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2181	-	8	90,997,694	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2182	-	8	90,997,888	0	-	-	-	-	1	AG	G	0/1	PASS		
2183	-	8	90,997,909	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2184	-	8	90,998,207	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2185	-	16	23,613,184	0	-	-	-	-	1	A	C	0/1	PASS		
2186	-	16	23,613,198	0	-	-	-	-	1	A	C	0/1	PASS		
2187	PALB2	16	23,618,609	1	AT	A	0 1	PASS	0	-	-	-	-		
2188	PALB2	16	23,618,628	0	-	-	-	-	1	TG	G	0/1	PASS		
2189	PALB2	16	23,618,788	1	A	T	0 1	PASS	1	A	T	0/1	PASS		
2190	PALB2	16	23,620,122	0	-	-	-	-	1	T	TATATATACACACAC	0/1	PASS		
2191	PALB2	16	23,620,184	1	C	CTT	1 0	PASS	0	-	-	-	-		
2192	PALB2	16	23,620,185	0	-	-	-	-	1	G	TTG	0/1	PASS		
2193	PALB2	16	23,620,963	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2194	PALB2	16	23,621,132	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2195	PALB2	16	23,622,103	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
2196	PALB2	16	23,622,399	1	GTCTATCTA	GTCTA,G	1 0	PASS	0	-	-	-	-		

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
2197	PALB2	16	23,622,400	0	-	-	-	-	1	TCTAT	T	0/1	PASS
2198	PALB2	16	23,622,787	0	-	-	-	-	1	A	T	1/1	PASS
2199	PALB2	16	23,624,777	1	C	A	1 0	PASS	1	C	A	0/1	PASS
2200	PALB2	16	23,624,964	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2201	PALB2	16	23,625,463	1	A	T	1 1	PASS	1	A	T	1/1	PASS
2202	PALB2	16	23,626,130	1	C	A	1 0	PASS	0	-	-	-	-
2203	PALB2	16	23,626,522	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2204	PALB2	16	23,628,901	1	AT	A	1 0	PASS	0	-	-	-	-
2205	PALB2	16	23,628,914	0	-	-	-	-	1	TA	A	0/1	PASS
2206	PALB2	16	23,630,071	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2207	PALB2	16	23,632,358	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2208	PALB2	16	23,632,479	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2209	PALB2	16	23,634,026	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2210	PALB2	16	23,634,750	1	C	A	0 1	PASS	1	C	A	0/1	PASS
2211	PALB2	16	23,636,703	1	G	C	1 0	PASS	1	G	C	0/1	PASS
2212	PALB2	16	23,638,122	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2213	PALB2	16	23,640,467	1	G	A	1 0	PASS	1	G	A	0/1	PASS
2214	PALB2	16	23,644,586	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2215	PALB2	16	23,644,738	1	A	G	1 1	PASS	1	A	G	1/1	PASS
2216	PALB2	16	23,645,960	1	TTTTATTATTTA	TTTTA,TTTTATTTA,T	3 0	PASS	1	TTTTATTATTTA	T	0/1	PASS
2217	PALB2	16	23,648,353	1	A	G	1 0	PASS	1	A	G	0/1	PASS
2218	PALB2	16	23,650,836	1	T	C	1 0	PASS	1	T	C	0/1	PASS
2219	-	16	23,653,343	1	C	T	1 0	PASS	1	C	T	0/1	PASS
2220	-	16	23,653,979	1	T	A	1 0	PASS	1	T	A	0/1	PASS
2221	-	16	23,654,509	1	T	G	1 0	PASS	1	T	G	0/1	PASS
2222	-	16	23,654,524	1	G	T	1 0	PASS	1	G	T	0/1	PASS
2223	-	7	6,012,700	1	C	G	1 0	PASS	1	C	G	0/1	PASS
2224	PMS2	7	6,013,049	1	C	G	1 0	PASS	0	-	-	-	-
2225	PMS2	7	6,014,512	1	T	C	1 0	PASS	0	-	-	-	-
2226	PMS2	7	6,016,109	1	A	G	1 1	PASS	1	A	G	1/1	PASS
2227	PMS2	7	6,016,470	1	C	A	0 1	PASS	0	-	-	-	-
2228	PMS2	7	6,017,523	0	-	-	-	-	1	A	G	0/1	PASS
2229	PMS2	7	6,017,902	1	G	A	0 1	PASS	1	G	A	0/1	PASS
2230	PMS2	7	6,018,047	0	-	-	-	-	1	A	C	0/1	PASS
2231	PMS2	7	6,019,224	1	T	A	1 1	PASS	1	T	A	1/1	PASS
2232	PMS2	7	6,022,866	1	C	T	0 1	PASS	0	-	-	-	-

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				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
2233	PMS2	7	6,022,961	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2234	PMS2	7	6,023,033	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2235	PMS2	7	6,024,035	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2236	PMS2	7	6,024,053	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2237	PMS2	7	6,025,894	1	C	T	0 1	PASS	0	-	-	-	-		
2238	PMS2	7	6,025,980	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2239	PMS2	7	6,026,222	1	C	CTGA	0 1	PASS	1	C	CTGA	0/1	PASS		
2240	PMS2	7	6,026,775	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
2241	PMS2	7	6,028,768	1	G	A	1 1	PASS	1	G	A	1/1	PASS		
2242	PMS2	7	6,029,012	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
2243	PMS2	7	6,030,722	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2244	PMS2	7	6,031,168	1	TA	T	0 1	PASS	0	-	-	-	-		
2245	PMS2	7	6,031,182	0	-	-	-	-	1	AT	T	0/1	PASS		
2246	PMS2	7	6,032,748	1	T	A	0 1	PASS	1	T	A	0/1	PASS		
2247	PMS2	7	6,033,018	0	-	-	-	-	1	A	AG	0/1	PASS		
2248	PMS2	7	6,033,060	1	A	ATGT	1 1	PASS	0	-	-	-	-		
2249	PMS2	7	6,033,064	0	-	-	-	-	1	G	TGTG	1/1	PASS		
2250	PMS2	7	6,033,469	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2251	PMS2	7	6,034,220	1	A	C	1 1	PASS	1	A	C	1/1	PASS		
2252	PMS2	7	6,034,817	0	-	-	-	-	1	GAA	GGC	0/1	PASS		
2253	PMS2	7	6,034,818	1	A	G	0 1	PASS	0	-	-	-	-		
2254	PMS2	7	6,034,819	1	A	C	0 1	PASS	0	-	-	-	-		
2255	PMS2	7	6,035,021	1	C	A	0 1	PASS	1	C	A	0/1	PASS		
2256	PMS2	7	6,035,507	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
2257	PMS2	7	6,035,944	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
2258	PMS2	7	6,036,005	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
2259	PMS2	7	6,036,223	0	-	-	-	-	1	T	A	0/1	PASS		
2260	PMS2	7	6,036,225	0	-	-	-	-	1	T	A	0/1	PASS		
2261	PMS2	7	6,036,243	0	-	-	-	-	1	TAC	TAT,T	1/2	PASS		
2262	PMS2	7	6,036,515	1	C	A	1 1	PASS	1	C	A	1/1	PASS		
2263	PMS2	7	6,036,802	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
2264	PMS2	7	6,036,980	1	G	C	1 1	PASS	1	G	C	1/1	PASS		
2265	PMS2	7	6,037,057	0	-	-	-	-	1	G	GA	0/1	PASS		
2266	PMS2	7	6,037,232	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2267	PMS2	7	6,038,179	1	G	C	0 1	PASS	1	G	C	0/1	PASS		
2268	PMS2	7	6,038,295	1	A	C	1 0	PASS	1	A	C	0/1	PASS		

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		Platinum_7.1.0					NA12878			Crystal_1.0					
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com						
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
2269	PMS2	7	6,038,394	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
2270	PMS2	7	6,038,483	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2271	PMS2	7	6,038,620	0	-	-	-	-	1	CA	C	1/1	PASS		
2272	PMS2	7	6,039,266	1	T	TA	0 1	PASS	0	-	-	-	-		
2273	PMS2	7	6,039,267	1	T	A,TA	0 1	PASS	1	T	AA	0/1	PASS		
2274	PMS2	7	6,039,941	1	G	T	0 1	PASS	1	G	T	0/1	PASS		
2275	PMS2	7	6,041,021	0	-	-	-	-	1	G	TG	0/1	PASS		
2276	PMS2	7	6,041,097	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
2277	PMS2	7	6,041,172	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2278	PMS2	7	6,041,189	0	-	-	-	-	1	A	T	0/1	PASS		
2279	PMS2	7	6,041,506	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
2280	PMS2	7	6,041,897	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
2281	PMS2	7	6,042,930	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
2282	PMS2	7	6,042,937	1	GAT	GATAT,G	1 2	PASS	1	GAT	G,GATAT	1/2	PASS		
2283	PMS2	7	6,042,939	0	-	-	-	-	1	T	G	0/1	PASS		
2284	PMS2	7	6,043,057	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
2285	PMS2	7	6,043,112	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
2286	PMS2	7	6,043,964	1	CTG	C	0 1	PASS	1	CTG	C	0/1	PASS		
2287	PMS2	7	6,044,346	0	-	-	-	-	1	C	CA	0/1	PASS		
2288	PMS2	7	6,044,515	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
2289	PMS2	7	6,044,521	1	T	G	0 1	PASS	1	T	G	0/1	PASS		
2290	PMS2	7	6,044,650	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
2291	PMS2	7	6,045,215	0	-	-	-	-	1	A	C	0/1	PASS		
2292	PMS2	7	6,045,881	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
2293	PMS2	7	6,045,934	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
2294	PMS2	7	6,046,718	1	CATT	C	1 1	PASS	0	-	-	-	-		
2295	PMS2	7	6,046,743	0	-	-	-	-	1	ATTG	G	1/1	PASS		
2296	PMS2	7	6,046,783	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2297	PMS2	7	6,046,990	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2298	PMS2	7	6,047,131	1	C	T	0 1	PASS	1	C	T	0/1	PASS		
2299	PMS2	7	6,047,506	0	-	-	-	-	1	TTTG	G	1/1	PASS		
2300	PMS2	7	6,047,576	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2301	PMS2	7	6,048,186	1	G	C	0 1	PASS	1	G	C	0/1	PASS		
2302	PMS2	7	6,048,359	1	C	T	0 1	PASS	1	CCTGTCTGG	CCTGCA,TCTGTCTGG	1/2	PASS		
2303	PMS2	7	6,048,556	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2304	-	7	6,048,804	1	G	C	0 1	PASS	1	G	C	0/1	PASS		

Crystal Genetics (WGS-based) Cancer Gene Panel

Color Code Description		White = Identical or Equivalent Calls (based on the reported data and Crystal's visual analysis)												
		Green = Consistent Calls (based on Crystal's visual analysis of the reads supporting the variants)												
		Red = Inconsistent Calls/NoCalls (based on Crystal's visual analysis of the reads supporting the variants)												
		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)												
		Platinum_7.1.0					NA12878			Crystal_1.0				
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
2305	-	7	6,048,973	1	C	A	0 1	PASS	1	C	A	0 1	PASS	
2306	-	7	6,049,193	1	C	A	1 0	PASS	1	C	A	0 1	PASS	
2307	-	7	6,049,209	1	C	T	0 1	PASS	1	C	T	0 1	PASS	
2308	-	7	6,049,281	1	G	C	1 1	PASS	1	G	C	1 1	PASS	
2309	-	7	6,049,487	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
2310	-	7	6,049,506	1	G	A	1 0	PASS	1	G	A	0 1	PASS	
2311	-	7	6,050,079	1	GTT	G	0 1	PASS	1	GTT	G	0 1	PASS	
2312	-	7	6,050,196	1	C	G	1 0	PASS	1	C	G	0 1	PASS	
2313	-	7	6,050,323	0	-	-	-	-	1	A	C	0 1	PASS	
2314	-	7	6,050,390	1	A	G	0 1	PASS	1	A	G	0 1	PASS	
2315	-	7	6,050,438	0	-	-	-	-	1	G	GT	0 1	PASS	
2316	-	7	6,050,825	1	G	A	0 1	PASS	1	G	A	0 1	PASS	
2317	PTEN	10	89,623,326	0	-	-	-	-	1	A	G	0 1	PASS	
2318	PTEN	10	89,623,860	1	CT	C	1 1	PASS	0	-	-	-	-	
2319	PTEN	10	89,623,861	0	-	-	-	-	1	TG	G	1 1	PASS	
2320	PTEN	10	89,623,901	0	-	-	-	-	1	G	C	1 1	PASS	
2321	PTEN	10	89,625,722	1	T	TAA	1 0	PASS	1	T	TAA	0 1	PASS	
2322	PTEN	10	89,626,375	1	T	TC	1 0	PASS	1	T	TC	0 1	PASS	
2323	PTEN	10	89,633,231	1	C	T	1 0	PASS	1	C	T	0 1	PASS	
2324	PTEN	10	89,636,676	0	-	-	-	-	1	CT	C	0 1	PASS	
2325	PTEN	10	89,636,697	0	-	-	-	-	1	A	TA	0 1	PASS	
2326	PTEN	10	89,637,682	1	T	C	1 0	PASS	1	T	C	0 1	PASS	
2327	PTEN	10	89,639,962	1	G	A	1 0	PASS	1	G	A	0 1	PASS	
2328	PTEN	10	89,640,035	0	-	-	-	-	1	G	GT	0 1	PASS	
2329	PTEN	10	89,645,427	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
2330	PTEN	10	89,649,798	0	-	-	-	-	1	A	C	0 1	PASS	
2331	PTEN	10	89,649,811	0	-	-	-	-	1	C	T	0 1	PASS	
2332	PTEN	10	89,653,686	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
2333	PTEN	10	89,654,936	1	A	T	1 0	PASS	1	A	T	0 1	PASS	
2334	PTEN	10	89,658,947	1	G	C	1 0	PASS	1	G	C	0 1	PASS	
2335	PTEN	10	89,659,153	1	T	A	1 0	PASS	1	T	A	0 1	PASS	
2336	PTEN	10	89,661,917	1	C	G	1 0	PASS	1	C	G	0 1	PASS	
2337	PTEN	10	89,662,504	1	A	G	1 0	PASS	1	A	G	0 1	PASS	
2338	PTEN	10	89,662,563	0	-	-	-	-	1	C	T	0 1	PASS	
2339	PTEN	10	89,662,567	0	-	-	-	-	1	T	C	0 1	PASS	
2340	PTEN	10	89,663,981	1	G	A	1 0	PASS	1	G	A	0 1	PASS	

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
		Platinum_7.1.0					NA12878			Crystal_1.0					
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes						Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
2341	PTEN	10	89,667,309	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
2342	PTEN	10	89,667,311	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
2343	PTEN	10	89,668,234	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2344	PTEN	10	89,668,274	0	-	-	-	-	1	T	G	0/1	PASS		
2345	PTEN	10	89,668,751	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
2346	PTEN	10	89,673,569	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2347	PTEN	10	89,675,296	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2348	PTEN	10	89,677,086	1	A	G	0 1	PASS	1	A	G	0/1	PASS		
2349	PTEN	10	89,679,285	1	T	TACAC,TAC	1 0	PASS	1	T	TACAC	0/1	PASS		
2350	PTEN	10	89,684,214	1	C	A	1 0	PASS	1	C	A	0/1	PASS		
2351	PTEN	10	89,687,071	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
2352	PTEN	10	89,689,321	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2353	PTEN	10	89,690,952	1	T	TTTATC	1 0	PASS	1	T	TTTATC	0/1	PASS		
2354	PTEN	10	89,699,209	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2355	PTEN	10	89,702,577	1	T	A	1 0	PASS	1	T	A	0/1	PASS		
2356	PTEN	10	89,702,948	1	A	C	1 0	PASS	1	A	C	0/1	PASS		
2357	PTEN	10	89,705,429	1	G	C	1 0	PASS	1	G	C	0/1	PASS		
2358	PTEN	10	89,707,265	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2359	PTEN	10	89,707,496	1	A	T	1 0	PASS	1	A	T	0/1	PASS		
2360	PTEN	10	89,708,364	1	TA	T	1 1	PASS	1	TA	T	1/1	PASS		
2361	PTEN	10	89,712,473	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2362	PTEN	10	89,716,345	1	TTA	T	1 0	PASS	1	TTA	T	0/1	PASS		
2363	PTEN	10	89,716,502	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
2364	PTEN	10	89,720,907	1	T	G	1 0	PASS	1	T	G	0/1	PASS		
2365	PTEN	10	89,721,094	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2366	PTEN	10	89,721,394	1	C	G	1 0	PASS	1	C	G	0/1	PASS		
2367	PTEN	10	89,722,264	1	T	TACAC	1 0	PASS	1	T	TACAC	0/1	PASS		
2368	PTEN	10	89,723,342	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2369	PTEN	10	89,724,294	0	-	-	-	-	1	CAC	A	0/1	PASS		
2370	PTEN	10	89,726,660	0	-	-	-	-	1	TT	T	1/1	PASS		
2371	-	10	89,728,633	1	GT	G	1 0	PASS	0	-	-	-	-		
2372	-	10	89,728,644	0	-	-	-	-	1	TC	C	0/1	PASS		
2373	-	10	89,728,693	0	-	-	-	-	1	C	AC	0/1	PASS		
2374	-	17	56,768,103	1	T	G	0 1	PASS	1	T	G	0/1	PASS		
2375	-	17	56,769,027	0	-	-	-	-	1	C	CAA	1/1	PASS		
2376	-	17	56,769,481	0	-	-	-	-	1	C	G	1/1	PASS		

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)															
				Platinum_7.1.0					NA12878				Crystal_1.0				
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com								
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter				
2377	-	17	56,769,887	1	G	A	0 1	PASS	1	G	A	0 1	PASS				
2378	RAD51C	17	56,769,979	1	C	T	0 1	PASS	1	C	T	0 1	PASS				
2379	RAD51C	17	56,771,096	1	C	T	0 1	PASS	1	C	T	0 1	PASS				
2380	RAD51C	17	56,771,840	0	-	-	-	-	1	AT	A	0 1	PASS				
2381	RAD51C	17	56,773,202	0	-	-	-	-	1	T	G	0 1	PASS				
2382	RAD51C	17	56,773,237	1	A	G	1 1	PASS	1	A	G	1 1	PASS				
2383	RAD51C	17	56,773,432	1	GA	G	0 1	PASS	1	GA	G	0 1	PASS				
2384	RAD51C	17	56,774,920	0	-	-	-	-	1	C	CA	0 1	PASS				
2385	RAD51C	17	56,775,539	0	-	-	-	-	1	AT	A	0 1	PASS				
2386	RAD51C	17	56,776,066	1	C	T	0 1	PASS	1	C	T	0 1	PASS				
2387	RAD51C	17	56,776,320	1	T	C	1 1	PASS	1	T	C	1 1	PASS				
2388	RAD51C	17	56,776,663	1	G	A	1 0	PASS	1	G	A	0 1	PASS				
2389	RAD51C	17	56,776,730	1	A	G	1 1	PASS	1	A	G	1 1	PASS				
2390	RAD51C	17	56,777,148	1	T	C	1 1	PASS	1	T	C	1 1	PASS				
2391	RAD51C	17	56,778,328	1	A	G	0 1	PASS	1	A	G	0 1	PASS				
2392	RAD51C	17	56,778,606	1	CT	C	1 1	PASS	0	-	-	-	-				
2393	RAD51C	17	56,778,607	0	-	-	-	-	1	TG	G	1 1	PASS				
2394	RAD51C	17	56,778,628	1	G	A	1 1	PASS	1	G	A	1 1	PASS				
2395	RAD51C	17	56,779,362	1	G	GT	1 0	PASS	1	G	GT	0 1	PASS				
2396	RAD51C	17	56,779,778	1	G	A	0 1	PASS	1	G	A	0 1	PASS				
2397	RAD51C	17	56,781,468	1	T	C	0 1	PASS	1	T	C	0 1	PASS				
2398	RAD51C	17	56,781,499	1	C	T	0 1	PASS	1	C	T	0 1	PASS				
2399	RAD51C	17	56,782,297	1	T	C	1 1	PASS	1	T	C	1 1	PASS				
2400	RAD51C	17	56,782,473	1	C	CAG	1 1	PASS	1	C	CAG	1 1	PASS				
2401	RAD51C	17	56,782,555	1	C	A	0 1	PASS	1	C	A	0 1	PASS				
2402	RAD51C	17	56,782,716	0	-	-	-	-	1	T	G	0 1	PASS				
2403	RAD51C	17	56,783,255	1	C	T	1 0	PASS	1	C	T	0 1	PASS				
2404	RAD51C	17	56,783,572	1	G	A	1 0	PASS	1	G	A	0 1	PASS				
2405	RAD51C	17	56,783,623	1	A	G	1 1	PASS	1	A	G	1 1	PASS				
2406	RAD51C	17	56,785,571	1	T	C	1 0	PASS	1	T	C	0 1	PASS				
2407	RAD51C	17	56,785,725	1	C	T	1 0	PASS	1	C	T	0 1	PASS				
2408	RAD51C	17	56,786,062	1	T	TG	1 0	PASS	1	T	TG	0 1	PASS				
2409	RAD51C	17	56,789,396	0	-	-	-	-	1	T	TA	0 1	PASS				
2410	RAD51C	17	56,789,705	0	-	-	-	-	1	CA	C	1 1	PASS				
2411	RAD51C	17	56,789,905	1	G	C	0 1	PASS	1	G	C	0 1	PASS				
2412	RAD51C	17	56,790,858	1	C	T	0 1	PASS	1	C	T	0 1	PASS				

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		Grey = Hard-to-assess Calls (insufficient data in Crystal's visual analysis of the reads supporting the variants)													
				Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes				Crystal Genetics' Variants www.crystalgenetics.com							
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter		
2413	RAD51C	17	56,791,322	0	-	-	-	-	1	A	C	0/1	PASS		
2414	RAD51C	17	56,791,832	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2415	RAD51C	17	56,792,505	0	-	-	-	-	1	C	A	0/1	PASS		
2416	RAD51C	17	56,792,675	1	TGTG	T	1 0	PASS	0	-	-	-	-		
2417	RAD51C	17	56,792,680	0	-	-	-	-	1	TGGC	C	0/1	PASS		
2418	RAD51C	17	56,792,817	0	-	-	-	-	1	AA	A	1/1	PASS		
2419	RAD51C	17	56,794,115	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2420	RAD51C	17	56,794,607	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2421	RAD51C	17	56,796,206	1	T	C	1 1	PASS	1	T	C	1/1	PASS		
2422	RAD51C	17	56,797,090	1	A	AT	0 1	PASS	1	A	AT	0/1	PASS		
2423	RAD51C	17	56,797,503	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2424	RAD51C	17	56,797,787	1	AT	A	1 0	PASS	0	-	-	-	-		
2425	RAD51C	17	56,798,207	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2426	RAD51C	17	56,799,380	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2427	RAD51C	17	56,799,907	1	T	C	1 0	PASS	1	T	C	0/1	PASS		
2428	RAD51C	17	56,801,778	1	T	C	0 1	PASS	1	T	C	0/1	PASS		
2429	RAD51C	17	56,802,059	1	G	A	1 0	PASS	1	G	A	0/1	PASS		
2430	RAD51C	17	56,802,141	1	C	T	1 1	PASS	1	C	T	1/1	PASS		
2431	RAD51C	17	56,802,458	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2432	RAD51C	17	56,802,693	1	G	C	0 1	PASS	1	G	C	0/1	PASS		
2433	RAD51C	17	56,803,028	1	C	A	1 0	PASS	1	C	A	0/1	PASS		
2434	RAD51C	17	56,803,598	1	G	T	1 0	PASS	1	G	T	0/1	PASS		
2435	RAD51C	17	56,803,977	0	-	-	-	-	1	A	G	0/1	PASS		
2436	RAD51C	17	56,804,213	1	GCT	G	1 0	PASS	0	-	-	-	-		
2437	RAD51C	17	56,804,216	0	-	-	-	-	1	CTG	G	0/1	PASS		
2438	RAD51C	17	56,804,230	1	G	A	0 1	PASS	1	G	A	0/1	PASS		
2439	RAD51C	17	56,805,313	0	-	-	-	-	1	G	AG	0/1	PASS		
2440	RAD51C	17	56,805,543	1	T	G	1 0	PASS	0	-	-	-	-		
2441	RAD51C	17	56,805,765	0	-	-	-	-	1	CTT	CT,TCT	1/2	PASS		
2442	RAD51C	17	56,808,530	1	A	G	1 0	PASS	1	A	G	0/1	PASS		
2443	RAD51C	17	56,808,619	1	G	GT	0 1	PASS	1	G	GT	0/1	PASS		
2444	RAD51C	17	56,808,996	1	A	T	1 1	PASS	1	A	T	1/1	PASS		
2445	-	17	56,813,283	1	C	T	1 0	PASS	1	C	T	0/1	PASS		
2446	-	17	56,813,782	1	A	G	1 1	PASS	1	A	G	1/1	PASS		
2447	-	17	33,425,428	1	AT	A	1 0	PASS	1	AT	A	0/1	PASS		
2448	RAD51D	17	33,428,487	1	A	G	1 0	PASS	1	A	G	0/1	PASS		

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		Platinum_7.1.0					NA12878			Crystal_1.0				
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com					
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
2449	RAD51D	17	33,429,461	1	AT	A	1 0	PASS	1	AT	A	0/1	PASS	
2450	RAD51D	17	33,429,765	1	A	G	1 0	PASS	1	A	G	0/1	PASS	
2451	RAD51D	17	33,431,561	1	C	T	1 1	PASS	1	C	T	1/1	PASS	
2452	RAD51D	17	33,432,771	1	G	A	1 0	PASS	1	G	A	0/1	PASS	
2453	RAD51D	17	33,433,487	1	C	T	1 1	PASS	1	C	T	1/1	PASS	
2454	RAD51D	17	33,433,820	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2455	RAD51D	17	33,435,090	1	C	T	1 1	PASS	1	C	T	1/1	PASS	
2456	RAD51D	17	33,435,903	0	-	-	-	-	1	TG	G	0/1	PASS	
2457	RAD51D	17	33,437,795	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2458	RAD51D	17	33,438,387	0	-	-	-	-	1	AG	A	0/1	PASS	
2459	RAD51D	17	33,438,984	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2460	RAD51D	17	33,440,166	1	T	C	1 1	PASS	1	T	C	1/1	PASS	
2461	RAD51D	17	33,440,328	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2462	RAD51D	17	33,440,788	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
2463	RAD51D	17	33,441,135	1	C	A	0 1	PASS	1	C	A	0/1	PASS	
2464	RAD51D	17	33,442,915	0	-	-	-	-	1	AAAGGAAGGAAGG	A,AAAGGAAGGAAGG	1/2	PASS	
2465	RAD51D	17	33,443,087	1	CA	C	1 1	PASS	0	-	-	-	-	
2466	RAD51D	17	33,443,092	0	-	-	-	-	1	A	G	0/1	PASS	
2467	RAD51D	17	33,443,096	0	-	-	-	-	1	A	G	0/1	PASS	
2468	RAD51D	17	33,443,099	0	-	-	-	-	1	AG	G	1/1	PASS	
2469	RAD51D	17	33,443,215	1	A	G	1 0	PASS	1	A	G	0/1	PASS	
2470	RAD51D	17	33,443,600	1	G	A	1 0	PASS	1	G	A	0/1	PASS	
2471	RAD51D	17	33,445,416	1	T	TA	1 0	PASS	1	T	TA	0/1	PASS	
2472	RAD51D	17	33,445,549	1	G	A	1 0	PASS	1	G	A	0/1	PASS	
2473	RAD51D	17	33,445,616	0	-	-	-	-	1	A	C	0/1	PASS	
2474	-	17	33,448,818	1	T	C	1 1	PASS	1	T	C	1/1	PASS	
2475	SMAD4	18	48,557,039	0	-	-	-	-	1	A	C	0/1	PASS	
2476	SMAD4	18	48,557,417	1	T	C	1 1	PASS	1	T	C	1/1	PASS	
2477	SMAD4	18	48,558,415	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2478	SMAD4	18	48,559,578	0	-	-	-	-	1	G	TG	1/1	PASS	
2479	SMAD4	18	48,559,597	0	-	-	-	-	1	T	C	1/1	PASS	
2480	SMAD4	18	48,560,325	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2481	SMAD4	18	48,562,291	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
2482	SMAD4	18	48,562,804	1	C	G	1 1	PASS	1	C	G	1/1	PASS	
2483	SMAD4	18	48,564,621	1	T	TG	1 0	PASS	0	-	-	-	-	
2484	SMAD4	18	48,564,623	0	-	-	-	-	1	G	GA	0/1	PASS	

Crystal Genetics (WGS-based) Cancer Gene Panel

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		Platinum_7.1.0				NA12878				Crystal_1.0			
Features & Coordinates				Illumina's Platinum Genomes Variants www.illumina.com/platinumgenomes					Crystal Genetics' Variants www.crystalgenetics.com				
idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter
2485	SMAD4	18	48,565,553	1	C	T	1 1	PASS	1	C	T	1/1	PASS
2486	SMAD4	18	48,566,791	1	C	CA	1 1	PASS	1	C	CA	1/1	PASS
2487	SMAD4	18	48,567,626	1	C	G	1 1	PASS	1	C	G	1/1	PASS
2488	SMAD4	18	48,568,271	1	G	A	1 1	PASS	1	G	A	1/1	PASS
2489	SMAD4	18	48,568,657	1	GCCTCCCTCCCTCCTTC	G	1 1	PASS	0	-	-	-	-
2490	SMAD4	18	48,568,671	0	-	-	-	-	1	TTCCCTCCCTCCCTCCC	C	1/1	PASS
2491	SMAD4	18	48,568,780	1	T	C	1 1	PASS	1	T	C	1/1	PASS
2492	SMAD4	18	48,568,971	0	-	-	-	-	1	GC	C	1/1	PASS
2493	SMAD4	18	48,570,875	1	G	T	1 1	PASS	1	G	T	1/1	PASS
2494	SMAD4	18	48,571,372	1	T	C	1 1	PASS	1	T	C	1/1	PASS
2495	SMAD4	18	48,571,487	1	T	G	1 1	PASS	1	T	G	1/1	PASS
2496	SMAD4	18	48,572,640	1	C	T	1 1	PASS	1	C	T	1/1	PASS
2497	SMAD4	18	48,572,807	1	G	GT	1 1	PASS	1	G	GT	0/1	PASS
2498	SMAD4	18	48,572,984	1	G	A	1 1	PASS	1	G	A	1/1	PASS
2499	SMAD4	18	48,575,389	1	T	C	1 1	PASS	1	T	C	1/1	PASS
2500	SMAD4	18	48,575,929	1	TA	T	1 1	PASS	1	TA	T	1/1	PASS
2501	SMAD4	18	48,577,091	1	G	A	1 1	PASS	1	G	A	1/1	PASS
2502	SMAD4	18	48,577,782	1	G	C	1 1	PASS	1	G	C	1/1	PASS
2503	SMAD4	18	48,579,646	1	G	A	1 1	PASS	1	G	A	1/1	PASS
2504	SMAD4	18	48,581,601	1	C	A	1 1	PASS	1	C	A	1/1	PASS
2505	SMAD4	18	48,581,900	1	T	TA	1 1	PASS	0	-	-	-	-
2506	SMAD4	18	48,581,912	0	-	-	-	-	1	G	AG	1/1	PASS
2507	SMAD4	18	48,581,918	1	C	T	1 1	PASS	1	C	T	1/1	PASS
2508	SMAD4	18	48,582,595	1	A	G	1 1	PASS	1	A	G	1/1	PASS
2509	SMAD4	18	48,584,872	0	-	-	-	-	1	G	TTG	1/1	PASS
2510	SMAD4	18	48,588,407	1	C	T	1 1	PASS	1	C	T	1/1	PASS
2511	SMAD4	18	48,589,291	1	G	A	1 1	PASS	1	G	A	1/1	PASS
2512	SMAD4	18	48,589,608	1	T	G	1 1	PASS	1	T	G	1/1	PASS
2513	SMAD4	18	48,592,419	1	GT	G	1 1	PASS	1	GT	G	1/1	PASS
2514	SMAD4	18	48,593,133	1	G	A	1 1	PASS	1	G	A	1/1	PASS
2515	SMAD4	18	48,594,104	1	A	G	1 1	PASS	1	A	G	1/1	PASS
2516	SMAD4	18	48,595,113	1	A	AC	1 1	PASS	1	A	AC	1/1	PASS
2517	SMAD4	18	48,595,393	1	C	G	1 1	PASS	1	C	G	1/1	PASS
2518	SMAD4	18	48,599,731	0	-	-	-	-	1	T	TTA	0/1	PASS
2519	SMAD4	18	48,599,760	0	-	-	-	-	1	CACACACACAC	T	1/1	PASS
2520	SMAD4	18	48,599,799	0	-	-	-	-	1	ACACACC	C	1/1	PASS

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idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf	ref	alt	var	filter	
2521	SMAD4	18	48,601,340	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2522	SMAD4	18	48,602,411	1	G	A	1 1	PASS	1	G	A	1/1	PASS	
2523	SMAD4	18	48,603,403	1	T	C	1 1	PASS	1	T	C	1/1	PASS	
2524	SMAD4	18	48,609,968	1	A	G	1 1	PASS	1	A	G	1/1	PASS	
2525	SMAD4	18	48,610,372	0	-	-	-	-	1	A	G	1/1	PASS	
2526	SMAD4	18	48,610,374	0	-	-	-	-	1	GCGCGCGGCACACA	G	1/1	PASS	
2527	SMAD4	18	48,610,388	0	-	-	-	-	1	A	G	1/1	PASS	
2528	SMAD4	18	48,610,697	1	CAAGAA	C	1 1	PASS	1	CAAGAA	C	1/1	PASS	
2529	SMAD4	18	48,610,831	1	A	C	1 1	PASS	1	A	C	1/1	PASS	
2530	-	19	1,204,771	0	-	-	-	-	1	G	TG	0/1	PASS	
2531	STK11	19	1,210,358	0	-	-	-	-	1	A	C	0/1	PASS	
2532	STK11	19	1,222,409	0	-	-	-	-	1	T	G	0/1	PASS	
2533	STK11	19	1,222,644	1	C	T	0 1	PASS	1	C	T	0/1	PASS	
2534	STK11	19	1,223,188	0	-	-	-	-	1	C	G	0/1	PASS	
2535	STK11	19	1,228,112	0	-	-	-	-	1	T	G	0/1	PASS	
2536	STK11	19	1,228,130	0	-	-	-	-	1	T	G	0/1	PASS	
2537	-	17	7,570,189	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
2538	-	17	7,570,567	0	-	-	-	-	1	T	A	0/1	PASS	
2539	-	17	7,570,578	1	TA	TAA,T	0 1	PASS	0	-	-	-	-	
2540	-	17	7,570,592	0	-	-	-	-	1	G	AG	0/1	PASS	
2541	-	17	7,570,878	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
2542	-	17	7,570,928	0	-	-	-	-	1	CCA	CTG	0/1	PASS	
2543	-	17	7,571,080	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
2544	-	17	7,571,452	1	G	A	0 1	PASS	1	G	A	0/1	PASS	
2545	-	17	7,571,487	1	A	AGCCGTG	0 1	PASS	1	A	AGCCGTG	0/1	PASS	
2546	-	17	7,571,635	1	A	T	0 1	PASS	1	A	T	0/1	PASS	
2547	TP53	17	7,574,775	1	C	T	1 0	PASS	1	C	T	0/1	PASS	
2548	TP53	17	7,574,779	1	C	T	1 0	PASS	1	C	T	0/1	PASS	
2549	TP53	17	7,574,936	1	C	T	1 0	PASS	1	C	T	0/1	PASS	
2550	TP53	17	7,575,564	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
2551	TP53	17	7,577,695	0	-	-	-	-	1	G	TG	0/1	PASS	
2552	TP53	17	7,578,115	1	T	C	0 1	PASS	1	T	C	0/1	PASS	
2553	TP53	17	7,578,645	1	C	T	0 1	PASS	1	C	T	0/1	PASS	
2554	TP53	17	7,578,711	1	CTTT	C	0 1	PASS	0	-	-	-	-	
2555	TP53	17	7,578,837	1	A	G	0 1	PASS	1	A	G	0/1	PASS	
2556	TP53	17	7,579,472	1	G	C	0 1	PASS	1	G	C	0/1	PASS	

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				Platinum_7.1.0				NA12878		Crystal_1.0			
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				idx	gene	chr	position	in_vcf	ref	alt	var	filter	in_vcf
2557	TP53	17	7,579,643	1	CCCCCAGCCCTCCAGGT	C	0 1	PASS	1	CCCCCAGCCCTCCAGGT	C	0 1	PASS
2558	TP53	17	7,579,801	1	G	C	0 1	PASS	1	G	C	0 1	PASS
2559	TP53	17	7,580,256	1	AT	A	0 1	PASS	0	-	-	-	-
2560	TP53	17	7,580,272	0	-	-	-	-	1	TG	G	0 1	PASS
2561	TP53	17	7,580,619	0	-	-	-	-	1	C	G	0 1	PASS
2562	TP53	17	7,583,227	1	G	A	0 1	PASS	1	G	A	0 1	PASS
2563	TP53	17	7,584,474	0	-	-	-	-	1	A	T	0 1	PASS
2564	TP53	17	7,584,656	0	-	-	-	-	1	A	G	0 1	PASS
2565	TP53	17	7,587,989	0	-	-	-	-	1	A	C	0 1	PASS