Table SIII. Ion Torrent PGM™ run statistics and potential disease variants in patients with CH.

Patients ID	≥Q20 bases(%)	Mapped reads	Percent reads on target	Average base coverage depth	Uniformity of base coverage	Coverage ≥20× (% bp)	Coverage ≥100× (% bp)	Coverage ≥500× (% bp)	Number of variants detected				
									Synonymous	Insertions and deletions	Non-synonymous	Intronic	Total
01	89.45%	372076	99.09%	707.8	91.33%	96.84%	92.74%	68.73%	19	3	23	83	128
02	90.35%	151635	96.94%	241	74.11%	89.15%	55.72%	12.67%	19	0	25	77	121
03	91.13%	149698	96.79%	215.9	53.13%	72.29%	34.53%	10.31%	18	2	22	80	122
04	89.00%	305328	99.09%	578.6	90.90%	96.15%	91.97%	57.01%	18	3	25	103	149
05	89.61%	384025	99.02%	731.6	90.87%	96.72%	92.90%	68.61%	17	4	18	80	119
06	89.43%	309604	99.08%	589.4	91.53%	96.29%	92.64%	57.72%	18	2	22	89	131
07	88.86%	392477	99.00%	738.5	90.85%	96.68%	93.32%	70.77%	19	6	25	90	140

08	89.12%	363964	99.04%	686.2	91.26%	96.55%	92.63%	66.90%	16	4	21	86	127
09	89.44%	417881	99.06%	791.7	91.23%	96.47%	93.43%	73.55%	20	4	24	91	139
10	88.80%	413216	99.11%	775	91.21%	96.79%	93.09%	73.09%	18	1	20	80	119
11	89.36%	391860	99.04%	741.8	90.92%	96.31%	92.64%	71.57%	18	1	21	78	118
12	92.08%	451186	97.56%	882.1	91.00%	96.96%	94.27%	74.45%	15	3	21	95	134
13	92.86%	513643	99.31%	995.8	87.83%	97.38%	93.61%	69.56%	20	3	19	80	122
14	92.53%	495280	97.83%	975.5	91.20%	97.26%	94.41%	79.99%	17	4	24	76	121
15	92.34%	413998	97.94%	815.9	90.76%	96.89%	93.94%	72.57%	20	2	24	83	129
16	92.01%	508559	97.69%	995.1	90.89%	97.45%	94.23%	80.40%	17	6	24	84	131
17	89.87%	168949	97.98%	255.7	89.76%	95.05%	81.19%	9.36%	15	1	22	83	121
18	92.47%	489657	99.30%	957.8	88.36%	97.03%	93.94%	71.74%	23	5	26	95	149

19	92.73%	532256	99.17%	1086	90.83%	97.25%	94.64%	82.02%	21	3	20	90	134
20	92.22%	561430	99.27%	1139	90.64%	97.03%	94.54%	81.08%	19	4	22	96	141
21	92.62%	611423	99.32%	1250	90.72%	97.39%	94.72%	83.45%	22	2	23	113	160
22	92.14%	1458751	99.05%	2913	90.03%	98.46%	96.76%	91.73%	19	2	20	98	139
23	90.23%	170893	97.96%	259.9	90.54%	95.11%	82.84%	8.63%	18	5	24	92	139
24	91.87%	248748	98.39%	474.4	90.20%	96.15%	89.93%	42.52%	17	4	21	90	132
25	91.83%	272955	98.50%	516.2	90.06%	96.29%	90.37%	46.27%	15	2	22	95	134
26	92.10%	234019	98.77%	451.2	91.23%	96.30%	90.38%	40.27%	17	1	20	100	138
27	91.91%	232622	98.65%	445.1	91.39%	96.18%	90.34%	39.26%	18	2	21	79	120
28	89.62%	587906	99.18%	1130	89.71%	97.22%	94.01%	77.48%	22	3	27	96	148
29	90.10%	516634	99.04%	993.1	90.42%	97.27%	94.11%	77.88%	18	4	26	84	132

30	90.17%	535019	99.16%	1034	90.73%	97.26%	94.60%	78.93%	16	4	28	97	145
31	90.22%	583539	99.16%	1125	90.04%	97.21%	94.63%	79.58%	22	5	24	103	154
32	89.98%	187459	98.85%	345.1	92.38%	96.36%	88.03%	21.71%	17	5	25	101	148
33	89.96%	206528	99.04%	370.4	76.66%	93.13%	71.19%	30.66%	17	4	23	102	146
34	90.50%	186935	99.03%	328.9	75.75%	91.45%	67.48%	26.25%	14	1	20	93	128
35	91.79%	425110	99.07%	819.5	88.03%	88.03%	92.72%	92.72%	17	5	23	92	137
36	89.74%	206836	98.78%	375.9	89.19%	96.53%	85.03%	29.07%	15	2	21	68	106
37	89.70%	236072	99.05%	444.3	92.42%	96.71%	91.70%	38.60%	16	2	21	99	138
38	90.23%	486042	99.07%	925	91.94%	97.17%	95.03%	76.76%	16	1	21	83	121
39	89.44%	484000	99.06%	911.6	92.26%	97.61%	94.96%	76.07%	18	2	23	79	122
40	90.85%	448054	98.47%	821.3	52.94%	71.01%	54.04%	45.41%	17	2	21	81	121

41	91.89%	591476	96.76%	752.4	45.84%	89.08%	52.10%	25.34%	19	4	23	96	142
42	87.69%	222316	98.42%	396.4	90.80%	96.46%	88.00%	29.36%	16	2	23	89	130
43	85.60%	394571	0.9879	668.2	89.04%	95.50%	90.38%	62.75%	17	0	18	94	129
Mean	90.55%	402666	98.67%	759.3	86.77%	94.80%	87.06%	57.51%	18	3	22	89	133
Median	90.23%	394571	99.04%	741.8	90.73%	96.55%	92.72%	68.73%	18	3	22	90	132

Q20, 99% certainty that the correct base was determined.