

S1 Table. Detailed information for each patient

Case ID	Sex	Age at diagnosis (yr)	APC mutation			MSI level	TMB score
			N_terminal_si de	C_terminal_si de	Other or unaltered		
1	Female	44	YES			0.0454	0.7
2	Female	43			YES	0.1364	3.7
3	Male	54			YES	0.0909	9.6
4	Female	44		YES		0.0909	6.6
5	Male	65	YES			0.0454	0.7
6	Male	55	YES			0	5.9
7	Male	37	YES			0.0909	1.5
8	Male	67		YES		0.0454	1.5
9	Female	38		YES		0.0588	3.7
10	Male	68			YES	0.0909	1.5
11	Female	52			YES	0.1364	5.9
12	Female	83	YES			0.0454	1.5
13	male	70	YES			0	3.7
14	Female	48			YES	0	5.9
15	male	51		YES		0.0454	2.9
16	Female	81	YES			0.0454	3.7
17	Male	43			YES	0.0909	2.9
18	Female	54		YES		0	2.9
19	Male	50	YES			0	1.5
20	Female	56	YES			0	4.4
21	Female	63		YES		0	1.5
22	Female	73	YES			0.0454	2.2
23	Female	67			YES	0	1.5
24	Male	58	YES			0.0454	1.5
25	Male	48		YES		0.0454	0.7
26	Male	88			YES	0	5.1
27	Female	80			YES	0	0.7
28	Male	70	YES			0.0454	5.1
29	Male	42			YES	0	2.9
30	Female	64	YES			0.6818	121.3
31	Female	71			YES	0.0454	3.7
32	Male	32	YES			0	2.9
33	Male	43			YES	0	2.2
34	Male	65	YES			0	3.7
35	Male	74	YES			0.0454	2.9
36	Female	37		YES		0.1364	5.1
37	Male	65		YES		0.0909	0.7
38	Female	56			YES	0	5.9
39	Female	47		YES		0.0909	5.1
40	Male	79	YES			0.0454	2.9
41	Male	65	YES			0.1111	2.9
42	Female	63			YES	0.0526	3.7
43	Male	61	YES			0.0454	1.5
44	Male	63		YES		0.0454	1.5
45	Male	54			YES	0.0454	6.6
46	Male	64	YES			0	2.2
47	Female	43	YES			0.0454	3.7

48	Male	70		YES		0.0454	2.2
49	Male	48			YES	0	0.7
50	Male	29			YES	0	2.2
51	Male	67		YES		0.0909	3.7
52	Male	43			YES	0.0909	0.7
53	Female	84	YES			0.0454	3.7
54	Male	58	YES			0.2273	3.7
55	Male	47			YES	0	1.5
56	Female	86	YES			0.0454	7.4
57	Male	65	YES			0.0909	1.5
58	Male	52	YES			0.0454	2.2
59	Male	73	YES			0.0909	3.7
60	Male	59	YES			0.8421	30.1
61	Male	66			YES	0	5.1
62	Male	68	YES			0	2.9
63	Male	63	YES			0.0454	4.4
64	Female	76			YES	0.0454	5.1
65	Male	79			YES	0.0454	2.2
66	Male	70		YES		0	1.5
67	Female	58	YES			0.05	5.9
68	Female	61	YES			0.5	40.4
69	Female	73	YES			0.0909	2.9
70	Male	53	YES			0.2273	2.9
71	Female	73	YES			0.0454	2.9
72	Male	63	YES			0.0909	2.9
73	Female	44		YES		0	5.1
74	Male	58	YES			0.1364	1.5
75	Female	57	YES			0.0454	6.6
76	Male	65		YES		0.0909	7.4
77	Male	69	YES			0.0909	0.7
78	Female	44		YES		0.05	2.9
79	Female	25			YES	0.0588	3.7
80	Male	63		YES		0.0588	81.6
81	Male	43	YES			0.0625	1.5
82	Female	57	YES			0	7.4
83	Male	69		YES		0.0454	5.9
84	Male	70	YES			0.1765	1.5
85	Male	50		YES		0.1364	44.1
86	Male	57	YES			0.0454	1.5
87	Male	50	YES			0.0909	2.2
88	Female	30			YES	0.4091	19.1
89	Male	52			YES	0.0454	5.1
90	Female	70		YES		0	7.4
91	Male	71	YES			0.1364	2.2
92	Female	71	YES			0.0454	3.7
93	Male	55		YES		0.2273	2.9
94	Female	51			YES	0	4.4
95	Female	58			YES	0	5.1
96	Female	65	YES			0.1364	2.9
97	Female	59			YES	0.5	32.4
98	Male	65	YES			0	0.7

99	Female	54		YES		0.0909	2.2
100	Male	61	YES			0.0454	0.7
101	Male	59	YES			0	8.8
102	Female	55	YES			0.0454	2.2
103	Male	55		YES		0.0454	5.1
104	Male	46		YES		0	5.1
105	Male	67		YES		0.0909	4.4
106	Male	53		YES		0.7727	36.8
107	Female	53		YES		0.0454	1.5
108	Female	68	YES			0.0909	0.7
109	Male	61	YES			0	2.2
110	Male	48	YES			0.0454	2.9
111	Male	83		YES		0	4.4
112	Female	65		YES		0	3.7
113	Male	70		YES		0.0454	5.1
114	Male	74	YES			0.0454	6.6
115	Male	68		YES		0.0454	2.9
116	Male	67		YES		0.0909	2.2
117	Male	69			YES	0.4375	68.4
118	Male	36			YES	0.0454	4.4
119	Male	78	YES			0.0909	0.7
120	Female	74		YES		0.0454	6.6
121	Female	70		YES		0.0454	3.7
122	Male	26			YES	0	1.5
123	Male	60	YES			0.0454	0.7
124	Female	70	YES			0.0909	2.9
125	Female	59		YES		0.1364	1.5
126	Male	64			YES	0.0909	1.5
127	Male	71	YES			0.0454	3.7
128	Female	77		YES		0.1818	4.4
129	Male	54		YES		0	2.9
130	Male	54		YES		0	2.2
131	Female	52			YES	1	27.2
132	Male	73			YES	0.0909	5.1
133	Male	72	YES			0.0454	2.9
134	Male	75	YES			0.0909	2.9
135	Male	63			YES	0	3.7
136	Male	48	YES			0.0909	3.7
137	Female	68			YES	0.6471	10.3
138	Male	65			YES	0.5454	14.7
139	Female	61		YES		0.1364	2.2
140	Female	68		YES		0.0556	6.6
141	Male	54		YES		0	2.2
142	Male	61	YES			0.0909	2.9
143	Male	75	YES			0.0454	1.5
144	Male	72	YES			0.1364	2.9
145	Female	74	YES			0.1177	1.5
146	Male	65		YES		0.0588	3.7
147	Female	69		YES		0.0556	4.4
148	Male	53		YES		0	5.9
149	Male	38	YES			0.0556	2.2

150	Female	58		YES		0.5556	20.6
151	Male	66	YES			0.1111	1.5
152	Male	59		YES		0.0556	4.4
153	Male	56		YES		0.0588	1.5
154	Female	67			YES	0.1667	4.4
155	Female	67	YES			0.1364	2.9
156	Male	72			YES	0	1.5
157	male	57			YES	0.1818	3.7
158	male	62			YES	0.1364	0.7
159	male	57	YES			0.0454	1.5
160	Female	75		YES		0.1818	8.8
161	male	72	YES			0.0909	4.4
162	Female	57			YES	0.0454	2.2
163	male	74		YES		0.0454	2.9
164	male	50		YES		0.0909	5.9
165	male	48		YES		0.0454	2.9
166	Female	51			YES	0.2273	2.2
167	male	65	YES			0	2.2
168	Female	70	YES			0.0454	7.4
169	Female	34			YES	0.0454	2.2
170	Male	64		YES		0.1364	6.6
171	Male	65	YES			0.0909	5.9
172	Male	59			YES	0.1364	4.4
173	Female	69	YES			0.3636	11
174	Female	77			YES	0.1818	3.7
175	Male	33	YES			0.1579	2.2
176	Female	52	YES			0.1818	2.2
177	Male	72	YES			0.1177	2.9
178	Male	63	YES			0.3636	0.7
179	Male	54			YES	0.0454	5.9
180	Male	73	YES			0.1818	4.4
181	Male	81		YES		0.0454	2.9
182	Female	57			YES	0.1818	2.2
183	Male	70	YES			0.2273	4.4
184	Female	63	YES			0	2.2
185	Male	52	YES			0.0454	5.9
186	Female	66		YES		0.1364	5.1
187	Female	71	YES			0.0909	3.7
188	Female	56	YES			0.2727	2.9
189	Male	69		YES		0.2727	5.1
190	Female	47			YES	0.0909	2.2
191	Male	73		YES		0.0909	5.1
192	Female	40		YES		0.6818	22.8
193	Female	31		YES		0.0909	52.2
194	Male	65	YES			0.1818	1.5
195	Male	67	YES			0.2273	5.9
196	Male	68	YES			0.2273	2.2
197	Female	72		YES		0.2727	4.4
198	Male	57			YES	0.0909	1.5
199	Male	68		YES		0.3182	8.1
200	Female	55			YES	0.3636	0.7

201	Male	57	YES			0.2273	2.2
202	Female	61	YES			0.1364	1.5
203	Male	68	YES			0.0909	4.4
204	Female	57	YES			0.1364	2.9
205	Male	61	YES			0.1364	2.2
206	Male	62	YES			0.1818	2.2
207	Female	66		YES		0.3182	5.9
208	Female	37	YES			0.2273	5.9
209	Female	66		YES		0.2273	2.9
210	Male	87	YES			0.3182	8.1
211	Male	84	YES			0.0909	4.4
212	Female	44	YES			0	5.9
213	Female	55			YES	0	5.1
214	Male	72		YES		0.1818	8.1
215	Female	81	YES			0.0454	11
216	Male	61			YES	0.0454	1.5
217	Female	68			YES	0.0909	4.4
218	Male	65		YES		0	8.8
219	Female	70	YES			0	4.4
220	Male	72			YES	0.0454	2.9
221	Male	50		YES		0.0454	4.4
222	Female	83	YES			0.0454	5.1
223	Male	59			YES	0	5.9
224	Male	47		YES		0	2.2
225	Male	87		YES		0	8.1
226	Female	82	YES			0.0909	3.7
227	Female	73	YES			0.0454	5.9
228	Female	53	YES			0	1.5
229	Female	47		YES		0	4.4
230	Female	61	YES			0	5.9
231	Male	30	YES			0	5.1
232	Female	63			YES	0.5	19.9
233	Male	60	YES			0	2.2
234	Male	47	YES			0.0454	2.9
235	Female	58		YES		0.0454	4.4
236	Female	54			YES	0.0454	1.5
237	Male	45	YES			0.0454	3.7
238	Male	56			YES	0.5909	23.5
239	Female	55		YES		0.0454	5.1
240	Male	69	YES			0.0454	5.1
241	Male	61	YES			0	2.9
242	Male	34		YES		0.8947	18.4
243	Female	59			YES	0.0454	3.7
244	Female	72	YES			0.0454	5.9
245	Male	64	YES			0.0454	1.5
246	Female	73			YES	0.5909	33.8
247	Male	64		YES		0.0454	4.4
248	Female	71		YES		0	5.9
249	Male	65	YES			0	2.9
250	Female	54			YES	0.0909	4.4
251	Male	51	YES			0	2.2

252	Female	68	YES		0	4.4	
253	Female	35			YES	0.7273	29.4
254	Male	37			YES	0	2.9
255	Male	45			YES	0	3.7
256	Male	58	YES			0.0454	5.9
257	Female	81	YES			0	5.1
258	Female	50	YES			0.0909	3.7
259	Female	56		YES		0.0454	2.2
260	Male	51			YES	0	2.2
261	Male	67	YES			0.0454	2.9
262	Female	69			YES	0	2.2
263	Male	81			YES	0	2.2
264	Female	37			YES	0.0454	3.7
265	Female	58			YES	0.5909	27.2
266	Female	82			YES	0.0909	5.1
267	Female	64			YES	0	0.7
268	Male	48			YES	0	2.2
269	Male	32			YES	0.0454	4.4
270	Male	58			YES	0.0454	1.5
271	Female	88		YES		0.5	36.8
272	Male	73	YES			0	2.2
273	Female	61	YES			0	0.7
274	Male	68			YES	0.0454	5.1
275	Male	73	YES			0.0909	2.9

APC, adenomatous polyposis coli; MSI, microsatellite instability; TMB, tumor mutational burden.