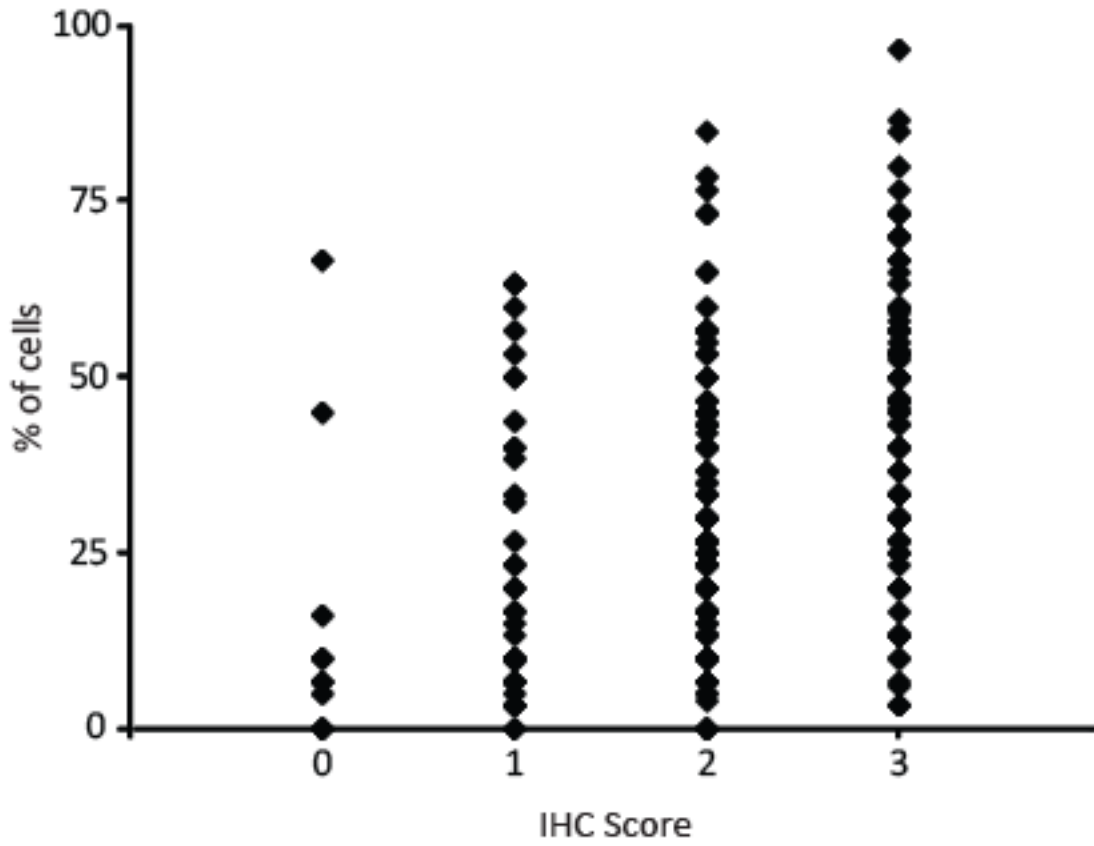


Supplementary Figure 1. Dot plot presenting the significant correlation between the immunohistochemical score and the percentage of cells with three or more copies of the *PHIP* locus in primary melanoma ($P < 0.0001$, linear regression analysis).



Supplementary Table 1. FISH results as counts of signals from BAC clones mapping the PHIP locus and the flanking centromeric region of chromosome 6

Case	IHC PHIP score	Mean copy number of PHIP		Mean copy number of Chr 6			Ratio	% of cells with three or more copies of PHIP	% of cells with three or more copies of Chr 6
1	0	2.0	± 0.0	2.0	± 0.0	1.0	0.0	0.0	
2	0	2.3	± 0.7	2.3	± 0.7	1.0	16.1	12.9	
3	0	2.1	± 0.7	2.1	± 0.6	1.0	10.0	6.7	
4	0	1.9	± 0.3	1.9	± 0.3	1.0	0.0	0.0	
5	0	1.8	± 0.4	1.9	± 0.3	1.0	0.0	0.0	
6	0	2.8	± 1.2	ND		ND	45.0	ND	
7	0	2.2	± 0.7	2.0	± 0.6	1.1	10.0	10.0	
8	0	2.0	± 0.4	1.8	± 0.6	1.1	5.0	5.0	
9	0	3.4	± 1.5	3.3	± 1.3	1.1	66.7	63.3	
10	0	2.0	± 0.6	1.9	± 0.6	1.0	6.7	6.7	
11	0	2.0	± 0.6	2.0	± 0.6	1.0	6.7	6.7	
12	1	1.9	± 0.3	1.9	± 0.3	1.0	0.0	0.0	
13	1	2.8	± 1.5	2.8	± 1.4	1.0	40.0	36.7	
14	1	4.1	± 2.1	3.6	± 1.6	1.1	63.3	73.3	
15	1	2.8	± 0.9	2.6	± 0.9	1.1	50.0	35.0	
16	1	2.2	± 0.8	2.0	± 0.6	1.1	20.0	10.0	
17	1	3.1	± 1.0	2.8	± 0.9	1.1	63.3	60.0	
18	1	2.4	± 1.1	2.5	± 1.1	1.0	38.5	38.5	
19	1	2.9	± 1.0	2.8	± 0.9	1.0	56.7	60.0	
20	1	2.9	± 1.0	3.0	± 0.9	1.0	53.3	63.3	
21	1	2.7	± 1.0	2.5	± 1.0	1.1	32.3	32.3	
22	1	2.1	± 0.6	2.2	± 0.5	1.0	15.0	10.0	
23	1	2.8	± 0.9	2.5	± 0.8	1.1	50.0	46.7	
24	1	2.0	± 0.6	1.9	± 0.4	1.0	9.7	3.2	
25	1	2.1	± 0.7	2.0	± 0.7	1.0	16.7	10.0	
26	1	2.8	± 1.2	3.2	± 1.7	0.9	43.8	46.9	
27	1	1.8	± 0.5	1.9	± 0.3	1.0	3.3	0.0	
28	1	2.0	± 0.5	2.0	± 0.6	1.0	10.0	10.0	
29	1	2.1	± 0.6	2.0	± 0.7	1.0	10.0	10.0	
30	1	1.9	± 0.4	1.9	± 0.4	1.0	3.3	3.3	
31	1	2.6	± 3.7	1.9	± 0.3	1.4	3.3	0.0	
32	1	2.0	± 0.6	2.1	± 0.5	0.9	10.0	13.3	
33	1	3.3	± 1.5	3.2	± 1.3	1.0	60.0	60.0	
34	1	2.3	± 1.0	2.2	± 0.9	1.1	23.3	16.7	
35	1	2.0	± 0.7	2.0	± 0.5	1.0	10.0	6.7	
36	1	2.0	± 0.7	2.1	± 0.6	1.0	13.3	10.0	
37	1	2.0	± 0.5	2.0	± 0.6	1.0	6.7	6.7	
38	1	2.0	± 0.6	1.9	± 0.5	1.0	6.7	3.3	
39	1	2.3	± 0.8	2.2	± 0.8	1.0	33.3	26.7	
40	1	2.1	± 0.7	2.0	± 0.6	1.1	10.0	10.0	
41	1	2.2	± 0.7	2.4	± 0.9	0.9	23.3	26.7	
42	1	2.3	± 1.3	2.4	± 1.3	1.0	16.7	23.3	
43	1	1.9	± 0.5	2.0	± 0.5	0.9	5.0	10.0	
44	1	1.8	± 0.4	1.9	± 0.3	0.9	0.0	0.0	

45	1	1.9	±	0.4	1.9	±	0.6	1.0	6.7	6.7
46	1	1.5	±	0.6	3.7	±	1.4	0.4	6.7	80.0
47	1	2.0	±	0.6	1.9	±	0.5	1.1	10.0	6.7
48	1	2.2	±	0.6	2.2	±	0.6	1.0	26.7	26.7
49	1	1.9	±	0.4	1.9	±	0.3	1.0	3.3	0.0
50	1	2.8	±	1.2	2.8	±	1.2	1.0	40.0	35.0
51	1	2.2	±	0.8	2.0	±	0.7	1.1	20.0	10.0
52	2	1.7	±	0.4	1.8	±	0.4	1.0	0.0	0.0
53	2	2.0	±	0.3	1.9	±	0.3	1.1	4.0	0.0
54	2	3.4	±	1.5	3.3	±	1.3	1.0	73.3	73.3
55	2	1.8	±	0.4	1.9	±	0.4	0.9	0.0	0.0
56	2	2.5	±	1.0	1.9	±	0.9	1.3	40.0	10.0
57	2	2.2	±	0.7	1.7	±	0.6	1.3	25.0	5.0
58	2	2.7	±	1.0	2.7	±	1.0	1.0	36.7	36.7
59	2	3.1	±	0.7	2.6	±	0.8	1.2	78.6	42.9
60	2	2.4	±	0.9	2.1	±	0.9	1.1	26.7	23.3
61	2	2.9	±	1.3	2.7	±	1.1	1.1	45.0	45.0
62	2	3.2	±	1.2	3.6	±	1.5	0.9	56.7	73.3
63	2	2.8	±	0.9	2.8	±	1.0	1.0	56.7	46.7
64	2	1.9	±	0.4	1.9	±	0.4	1.0	5.0	0.0
65	2	2.3	±	0.9	2.3	±	0.8	1.0	25.0	20.0
66	2	2.1	±	0.6	2.1	±	0.6	1.0	15.0	15.0
67	2	2.9	±	1.2	2.9	±	1.3	1.0	50.0	46.7
68	2	2.5	±	0.9	2.2	±	0.7	1.1	25.0	20.0
69	2	2.5	±	1.0	2.7	±	1.3	0.9	30.0	40.0
70	2	2.6	±	1.5	2.4	±	1.3	1.1	33.3	26.7
71	2	2.2	±	0.9	2.3	±	0.8	1.0	20.0	23.3
72	2	1.9	±	0.3	1.8	±	0.4	1.0	0.0	0.0
73	2	1.9	±	0.5	1.9	±	0.6	1.0	10.0	6.7
74	2	2.4	±	0.9	2.6	±	1.0	0.9	30.0	30.0
75	2	2.4	±	1.0	2.3	±	0.6	1.0	20.0	16.7
76	2	2.3	±	0.8	2.5	±	1.1	0.9	30.0	30.0
77	2	2.0	±	0.7	2.1	±	0.7	1.0	13.3	16.7
78	2	3.3	±	2.1	3.1	±	2.0	1.1	43.3	43.3
79	2	2.0	±	0.7	2.2	±	0.7	0.9	16.7	13.3
80	2	2.4	±	0.9	2.3	±	0.8	1.0	30.0	30.0
81	2	2.4	±	0.9	2.4	±	1.0	1.0	23.3	23.3
82	2	2.0	±	0.6	1.9	±	0.6	1.1	10.0	5.0
83	2	3.0	±	1.0	3.0	±	1.2	1.0	60.0	56.7
84	2	2.8	±	1.0	2.7	±	1.0	1.1	45.0	40.0
85	2	2.7	±	0.8	2.8	±	0.9	1.0	56.7	50.0
86	2	2.3	±	0.8	2.4	±	1.1	1.0	26.7	33.3
87	2	2.1	±	0.7	2.2	±	0.7	1.0	10.0	15.0
88	2	2.2	±	0.9	2.1	±	0.9	1.0	13.3	13.3
89	2	2.3	±	0.9	2.2	±	0.7	1.0	20.0	25.0
90	2	2.7	±	0.9	2.5	±	1.0	1.1	35.0	30.0
91	2	2.3	±	0.9	2.6	±	0.9	0.9	30.0	35.0
92	2	2.2	±	0.8	2.1	±	0.8	1.0	20.0	15.0
93	2	2.2	±	0.8	2.4	±	0.9	0.9	20.0	25.0
94	2	2.8	±	1.0	2.8	±	1.0	1.0	45.0	40.0

95	2	2.1	±	0.7	2.2	±	0.7	1.0	13.3	16.7
96	2	2.2	±	1.0	2.3	±	1.0	1.0	20.0	20.0
97	2	2.3	±	0.7	2.3	±	0.7	1.0	20.0	20.0
98	2	2.0	±	0.5	1.9	±	0.4	1.0	6.7	3.3
99	2	2.2	±	0.9	2.4	±	0.9	0.9	16.7	20.0
100	2	1.8	±	0.4	1.8	±	0.4	1.0	0.0	0.0
101	2	2.0	±	0.7	1.9	±	0.7	1.1	10.0	6.7
102	2	2.6	±	1.1	2.6	±	1.1	1.0	40.0	40.0
103	2	3.2	±	2.3	3.8	±	2.0	0.8	42.1	70.0
104	2	2.4	±	1.0	2.2	±	0.9	1.1	26.7	23.3
105	2	3.3	±	1.7	3.1	±	1.5	1.1	46.7	50.0
106	2	2.3	±	0.8	2.3	±	0.8	1.0	20.0	20.0
107	2	1.9	±	0.6	2.1	±	0.7	0.9	10.0	10.0
108	2	2.2	±	0.7	2.1	±	0.7	1.0	16.7	13.3
109	2	4.9	±	2.9	4.8	±	2.7	1.0	73.3	73.3
110	2	2.9	±	1.8	2.7	±	1.6	1.1	26.7	23.3
111	2	2.0	±	0.7	2.0	±	0.6	1.0	10.0	5.0
112	2	2.4	±	1.0	2.3	±	1.0	1.0	23.3	23.3
113	2	2.8	±	1.4	2.7	±	1.3	1.1	36.7	36.7
114	2	2.2	±	0.7	2.2	±	0.7	1.0	15.0	10.0
115	2	2.2	±	0.8	2.1	±	0.7	1.0	16.7	13.3
116	2	2.1	±	0.7	2.3	±	0.7	0.9	20.0	23.3
117	2	2.7	±	0.9	2.5	±	1.1	1.1	45.0	40.0
118	2	2.8	±	1.0	2.7	±	1.0	1.0	43.3	43.3
119	2	3.5	±	0.9	ND			ND	85.0	ND
120	2	3.7	±	1.3	3.6	±	1.2	1.0	76.7	73.3
121	2	2.7	±	1.1	2.4	±	0.9	1.1	40.0	36.7
122	2	2.8	±	0.9	2.7	±	0.9	1.0	50.0	46.7
123	2	1.9	±	0.5	2.1	±	0.6	0.9	6.7	6.7
124	2	1.9	±	0.7	2.2	±	0.5	0.9	5.0	10.0
125	2	2.9	±	1.3	4.1	±	7.3	0.7	43.3	43.3
126	2	3.6	±	2.3	4.0	±	2.9	0.9	53.3	50.0
127	2	2.2	±	0.7	2.1	±	0.7	1.0	16.7	10.0
128	2	2.4	±	0.9	2.4	±	1.0	1.0	30.0	26.7
129	2	2.1	±	0.9	2.3	±	0.8	0.9	20.0	20.0
130	2	2.4	±	1.1	2.3	±	0.9	1.0	23.3	20.0
131	2	2.7	±	1.3	2.8	±	1.1	1.0	35.0	35.0
132	2	3.2	±	1.2	3.3	±	1.4	1.0	65.0	60.0
133	2	2.9	±	0.9	3.1	±	1.2	0.9	55.0	55.0
134	2	2.1	±	0.6	2.1	±	0.7	1.0	13.3	10.0
135	2	2.1	±	0.7	2.8	±	1.4	0.8	26.7	40.0
136	2	2.2	±	0.9	2.4	±	1.0	0.9	16.7	20.0
137	2	2.9	±	1.3	2.9	±	1.7	1.0	46.7	40.0
138	2	2.4	±	0.8	2.3	±	0.7	1.0	25.0	20.0
139	2	3.4	±	2.1	2.8	±	1.6	1.2	56.7	43.3
140	2	2.2	±	0.7	2.3	±	0.8	0.9	16.7	20.0
141	2	2.2	±	0.8	2.2	±	0.8	1.0	20.0	15.0
142	2	2.2	±	0.7	2.2	±	0.8	1.0	16.7	16.7
143	2	2.3	±	0.9	2.4	±	1.0	1.0	16.7	23.3
144	2	2.6	±	1.4	2.8	±	1.6	0.9	26.7	26.7

145	2	2.5	±	0.8	2.7	±	1.1	0.9	33.3	41.7
146	2	3.2	±	2.2	3.1	±	2.6	1.0	53.3	43.3
147	2	5.9	±	4.5	5.9	±	3.9	1.0	65.0	85.0
148	2	2.2	±	0.9	2.1	±	0.9	1.0	23.3	26.7
149	2	2.3	±	0.8	2.1	±	0.8	1.1	23.3	20.0
150	2	2.9	±	1.3	2.7	±	1.1	1.1	45.0	35.0
151	2	2.0	±	0.7	2.1	±	0.6	1.0	6.7	6.7
152	3	2.2	±	0.8	2.2	±	0.9	1.0	23.3	20.0
153	3	2.6	±	0.9	2.5	±	0.9	1.0	33.3	30.0
154	3	3.1	±	1.3	3.0	±	1.1	1.0	59.3	55.6
155	3	2.0	±	0.8	2.1	±	0.8	1.0	10.0	10.0
156	3	2.5	±	1.2	2.5	±	1.1	1.0	26.7	26.7
157	3	3.3	±	1.6	2.8	±	1.4	1.2	55.0	50.0
158	3	2.9	±	1.3	2.7	±	1.1	1.0	46.7	43.3
159	3	2.1	±	0.5	2.2	±	0.6	1.0	6.7	10.0
160	3	2.6	±	1.0	2.5	±	0.9	1.0	33.3	26.7
161	3	5.0	±	1.5	4.9	±	1.3	1.0	96.7	96.7
162	3	2.9	±	1.0	ND			ND	52.5	ND
163	3	1.9	±	0.8	ND			ND	13.2	ND
164	3	1.9	±	0.6	ND			ND	6.1	ND
165	3	2.0	±	0.3	2.0	±	0.5	1.0	3.3	3.3
166	3	3.4	±	1.2	3.4	±	1.1	1.0	66.7	66.7
167	3	2.2	±	0.6	2.1	±	0.7	1.0	13.3	13.3
168	3	3.1	±	1.3	3.1	±	1.2	1.0	56.7	50.0
169	3	2.3	±	0.8	2.3	±	0.7	1.0	20.0	23.3
170	3	3.7	±	1.8	3.8	±	1.9	1.0	60.0	60.0
171	3	2.8	±	0.9	3.0	±	1.0	0.9	50.0	60.0
172	3	3.0	±	1.3	3.9	±	1.6	0.8	53.3	80.0
173	3	4.2	±	1.9	4.7	±	2.4	0.9	80.0	90.0
174	3	2.7	±	1.2	2.8	±	1.0	1.0	46.7	53.3
175	3	2.5	±	1.0	2.1	±	0.5	1.2	40.0	20.0
176	3	2.1	±	0.5	2.0	±	0.5	1.0	13.3	13.3
177	3	3.8	±	1.8	3.5	±	1.7	1.1	65.0	65.0
178	3	2.8	±	1.2	2.6	±	1.2	1.1	50.0	35.0
179	3	2.5	±	0.9	2.4	±	1.0	1.0	47.1	32.4
180	3	2.5	±	0.9	2.5	±	0.9	1.0	33.3	33.3
181	3	3.4	±	1.6	3.3	±	1.3	1.0	58.1	58.1
182	3	3.3	±	0.9	3.3	±	0.9	1.0	76.7	70.0
183	3	3.9	±	1.9	3.4	±	1.6	1.1	70.0	66.7
184	3	2.3	±	0.7	2.1	±	0.6	1.1	20.0	15.0
185	3	3.2	±	0.8	2.9	±	0.8	1.1	73.3	63.3
186	3	2.9	±	1.2	3.0	±	1.2	1.0	53.3	56.7
187	3	2.2	±	0.7	2.0	±	0.8	1.1	16.7	10.0
188	3	2.8	±	0.9	2.7	±	1.0	1.0	60.0	60.0
189	3	2.0	±	0.5	1.9	±	0.5	1.0	3.3	3.3
190	3	3.4	±	1.3	3.3	±	1.2	1.0	63.3	63.3
191	3	2.6	±	1.0	2.5	±	1.0	1.1	40.0	35.0
192	3	2.9	±	1.0	3.2	±	1.0	0.9	50.0	70.0
193	3	2.1	±	0.8	2.2	±	0.8	1.0	20.0	20.0
194	3	2.6	±	1.1	2.7	±	1.4	1.0	30.0	36.7

195	3	3.0	±	1.3	2.9	±	1.1	1.0	56.7	53.3
196	3	2.8	±	1.0	3.4	±	1.2	0.8	53.8	69.2
197	3	3.4	±	1.8	3.0	±	1.0	1.2	53.3	53.3
198	3	4.1	±	2.2	3.9	±	1.8	1.0	73.3	70.0
199	3	4.1	±	2.3	3.8	±	1.9	1.1	70.0	70.0
200	3	3.8	±	1.0	3.6	±	0.9	1.1	85.0	85.0
201	3	4.6	±	2.6	4.1	±	1.9	1.1	70.0	73.3
202	3	3.5	±	1.5	3.5	±	1.3	1.0	73.3	73.3
203	3	3.3	±	1.6	3.4	±	1.7	1.0	60.0	60.0
204	3	2.7	±	1.5	2.8	±	1.4	1.0	36.7	33.3
205	3	2.6	±	0.9	2.6	±	0.8	1.0	45.7	42.9
206	3	2.5	±	1.2	2.5	±	1.1	1.0	33.3	26.7
207	3	3.2	±	1.3	2.9	±	1.2	1.1	50.0	43.3
208	3	2.0	±	0.7	2.1	±	0.6	1.0	10.0	10.0
209	3	2.2	±	0.8	2.1	±	0.7	1.0	13.3	16.7
210	3	2.3	±	0.7	2.2	±	0.8	1.0	25.0	20.0
211	3	2.1	±	0.6	2.1	±	0.7	1.0	13.3	13.3
212	3	2.6	±	1.0	2.5	±	1.0	1.1	30.0	25.0
213	3	2.7	±	0.9	2.7	±	1.1	1.0	40.0	40.0
214	3	2.7	±	1.0	2.9	±	1.2	0.9	50.0	46.7
215	3	3.2	±	1.4	2.9	±	1.7	1.1	56.7	50.0
216	3	3.6	±	1.2	3.2	±	1.4	1.1	70.0	53.3
217	3	3.0	±	1.2	2.9	±	1.2	1.0	46.7	50.0
218	3	2.3	±	0.9	2.5	±	0.8	0.9	25.0	25.0
219	3	3.0	±	1.0	2.8	±	1.0	1.1	60.0	45.0
220	3	2.8	±	1.0	2.8	±	1.0	1.0	43.3	43.3
221	3	2.6	±	0.9	2.5	±	1.0	1.0	36.7	36.7
222	3	2.5	±	0.9	2.5	±	1.0	1.0	43.3	46.7
223	3	2.6	±	0.9	2.5	±	1.0	1.1	40.0	30.0
224	3	2.3	±	0.6	2.3	±	0.9	1.0	26.7	30.0
225	3	3.2	±	1.1	3.2	±	1.0	1.0	66.7	63.3
226	3	2.8	±	1.1	2.9	±	1.1	1.0	45.0	50.0
227	3	2.7	±	1.5	2.5	±	1.2	1.1	30.0	33.3
228	3	2.3	±	1.0	2.2	±	0.7	1.0	20.0	13.3
229	3	3.0	±	1.3	3.3	±	1.5	0.9	46.7	56.7
230	3	3.4	±	1.6	3.4	±	1.7	1.0	60.0	53.3
231	3	3.1	±	1.6	3.2	±	1.3	1.0	50.0	50.0
232	3	3.8	±	1.1	3.6	±	1.2	1.1	86.7	73.3
233	3	3.1	±	1.4	3.0	±	1.3	1.0	53.3	46.7
234	3	3.2	±	1.9	2.8	±	1.6	1.1	50.0	26.7
235	3	3.3	±	2.8	3.1	±	3.3	1.1	33.3	26.7
236	3	2.7	±	1.3	2.8	±	1.3	1.0	45.0	45.0
237	3	2.0	±	0.9	2.7	±	1.1	0.7	26.7	43.3
238	3	2.5	±	1.2	2.5	±	1.2	1.0	30.0	20.0