



Figure S1 Forest plot showing effect of 214 prognostic CRs on survival. CRs, chromatin regulators.

**Table S1** Clinical information of patients and H-score of MRGBP

Sample number	Gender	Age	Discovery time	pTNM stage	Last follow-up time	Fustat	Futime	MRGBP H-Score
1	male	71	2017/3/16	IB	2023/5/25	0	2261	0.3474
2	male	76	2017/2/23	IB	2017/9/12	1	201	135.4422
3	male	70	2016/3/22	IB	2023/5/25	0	2620	3.2761
4	male	49	2016/3/18	IA	2023/5/25	0	2624	0.4943
5	male	51	2017/4/20	IB	2023/5/25	0	2226	23.5539
6	male	59	2016/8/11	II	2023/5/25	0	2478	88.9664
7	male	44	2017/1/20	IB	2023/5/25	0	2316	47.2446
8	male	60	2017/11/16	IIIB	2023/5/25	0	2016	128.2492
9	male	78	2017/7/20	IB	2023/5/25	0	2135	0.7064
10	male	66	2017/11/2	II	2023/5/25	0	2030	73.0218
11	male	65	2017/3/22	IIIB	2023/5/25	0	2255	7.8368
12	male	82	2017/3/3	IIIB	2018/3/15	1	377	118.1325
13	male	62	2017/5/11	IB	2023/5/25	0	2205	54.1716
14	male	78	2017/7/20	IB	2023/5/25	0	2135	149.1542
15	male	66	2016/10/8	IB	2023/5/25	0	2420	2.3087
16	male	73	2017/8/3	IB	2023/5/25	0	2121	30.9264
17	male	63	2015/9/16	IIIB	2017/5/15	1	607	1.8049
18	male	81	2017/8/4	IB	2023/5/25	0	2120	1.0021
19	male	59	2018/1/16	IA	2023/5/25	0	1955	11.0983
20	female	79	2017/11/29	II	2023/5/25	0	2003	148.1523
21	male	60	2017/12/28	IB	2023/5/25	0	1974	0.1227
22	female	66	2017/11/17	IA	2023/5/25	0	2015	3.2982
23	male	83	2016/4/7	IIIB	2019/10/18	1	1289	0.5051
24	male	58	2016/12/27	IVB	2017/5/3	1	127	0.5642
25	male	65	2016/11/11	IB	2023/5/25	0	2386	17.2008
26	male	68	2016/11/20	IB	2023/5/25	0	2377	0.8521
27	male	61	2015/1/13	IIIB	2023/5/25	0	3054	91.9844
28	male	58	2016/10/11	IB	2017/3/22	1	162	125.0324
29	male	69	2015/10/9	IB	2023/5/25	0	2785	14.9561
30	male	56	2018/3/28	IA	2023/5/25	0	1884	122.7211
31	male	54	2015/6/25	IB	2023/5/25	0	2891	6.1406
32	female	91	2017/10/11	IB	2018/9/7	1	331	139.7197
33	female	54	2013/6/21	IB	2014/1/6	1	199	0.975
34	female	71	2013/3/28	IB	2023/5/25	0	3710	121.7368
35	male	70	2015/3/9	IA	2023/5/25	0	2999	22.6645
36	male	59	2013/8/2	IB	2023/5/25	0	3583	64.0969
37	male	73	2013/10/31	IB	2023/5/25	0	3493	20.492
38	male	73	2014/7/30	IB	2023/5/25	0	3221	28.1805
39	male	56	2014/11/28	II	2023/5/25	0	3100	2.5813
40	female	75	2015/3/2	IIIA	2015/5/9	1	68	2.7114
41	male	63	2012/10/17	II	2012/10/23	1	6	65.0876
42	male	57	2018/1/10	IIIB	2019/8/4	1	571	66.6918
43	male	83	2016/10/28	II	2016/12/5	1	38	7.1611
44	female	78	2016/8/2	IIIB	2016/12/19	1	139	57.9453
45	male	77	2015/2/1	IIIB	2023/5/25	0	3035	2.3074
46	male	60	2017/11/17	IIIB	2023/5/25	0	2015	160.6307
47	male	49	2017/12/5	IIIB	2023/5/25	0	1997	8.7031
48	male	46	2013/4/18	II	2014/7/24	1	462	91.4654
50	male	70	2014/5/24	IB	2018/1/19	1	1336	28.2798
51	male	70	2016/5/30	IA	2023/5/25	0	2551	144.4667
52	male	69	2014/8/13	IA	2023/5/25	0	3207	42.5978
53	female	69	2015/4/1	IB	2015/11/17	1	230	161.5033
54	male	79	2015/6/6	IB	2015/9/18	1	104	45.5703
55	male	57	2015/9/9	IB	2023/5/25	0	2815	45.0806
56	male	77	2012/10/24	II	2017/8/28	1	1769	15.6659
58	male	64	2015/12/1	II	2023/5/25	0	2732	44.1771
59	male	53	2013/4/25	IB	2013/8/16	1	113	0.9626
60	male	54	2015/10/15	IIIB	2023/5/25	0	2779	170.8142
61	female	59	2014/6/19	IB	2023/5/25	0	3262	25.7512
63	female	69	2016/12/7	II	2023/5/25	0	2360	40.648
64	female	78	2013/10/7	IB	2023/5/25	0	3517	11.3364

Table S1 (continued)

**Table S1** (continued)

Sample number	Gender	Age	Discovery time	pTNM stage	Last follow-up time	Fustat	Futime	MRGBP H-Score
65	male	76	2015/10/29	IB	2023/5/25	1	2765	148.5997
66	male	65	2015/10/8	II	2023/5/25	0	2786	11.9807
67	male	72	2018/5/11	IB	2023/5/25	0	1840	62.658
68	female	74	2018/5/3	IB	2023/5/25	0	1848	7.7754
69	male	59	2018/4/19	II	2023/5/25	0	1862	12.614
70	male	59	2018/4/24	IB	2022/12/9	1	1690	11.6693
71	female	68	2018/4/24	II	2023/5/25	0	1857	106.7126
72	male	64	2018/4/24	II	2023/5/25	0	1857	36.603
73	female	77	2018/4/28	IB	2023/5/25	0	1853	128.5292
74	male	66	2018/4/24	IB	2023/5/25	0	1857	20.6967
75	male	59	2018/4/24	IB	2023/5/25	0	1857	181.9275
76	male	72	2018/4/17	IA	2023/5/25	0	1864	11.3032
77	male	66	2018/4/19	IB	2023/5/25	0	1862	184.838
78	female	54	2017/9/5	IB	2023/5/25	0	2088	23.8092
79	male	68	2015/9/8	IB	2023/5/25	0	2816	141.3707
80	male	51	2018/6/15	IB	2023/5/25	0	1805	6.721
81	male	82	2018/6/26	IB	2023/5/25	0	1794	89.9841
82	male	70	2018/6/19	IB	2023/5/25	0	1801	1.2246
83	male	55	2018/5/24	IB	2023/5/25	0	1827	78.5529
84	male	59	2018/6/7	II	2023/5/25	0	1813	55.1932
85	male	78	2018/5/29	IB	2022/7/6	1	1499	52.7014
86	male	76	2018/7/12	IB	2023/5/25	0	1778	16.8995
87	male	52	2018/7/12	IB	2023/5/25	0	1778	96.6326
88	male	55	2016/7/17	IB	2018/1/28	1	560	10.9502
89	male	62	2018/7/20	IB	2023/5/25	0	1770	72.4502
90	female	65	2018/8/2	IB	2023/5/25	0	1757	11.3481
91	male	72	2019/7/16	IB	2023/5/26	0	1410	149.2826
92	female	53	2019/6/4	IA	2023/5/26	0	1452	12.5066
93	female	67	2019/7/16	IA	2023/5/26	0	1410	117.3396
94	male	65	2019/6/11	IA	2023/5/26	0	1445	10.6173
95	female	57	2019/7/18	IA	2023/5/26	0	1408	114.3884
96	male	50	2019/6/25	IIA	2023/5/26	0	1431	13.9295
97	male	58	2019/6/10	IB	2023/5/26	0	1446	56.5515
98	male	58	2019/7/15	IB	2023/5/26	0	1411	129.5158
99	male	59	2019/7/4	IB	2023/5/26	0	1422	73.997
100	male	59	2019/7/9	IB	2023/5/26	0	1417	1.6744
101	male	67	2019/7/11	IB	2023/5/26	0	1415	146.6869
102	male	76	2019/6/17	IB	2023/5/26	0	1439	78.8216
103	male	47	2019/7/5	IA	2019/10/6	1	93	111.2896
104	male	58	2019/6/6	IIIA	2023/5/26	0	1450	9.4623
105	male	60	2019/6/18	IB	2023/5/26	0	1438	147.4786
106	male	60	2019/8/14	IA	2023/5/26	0	1381	0.4304
107	male	58	2019/7/30	IIIB	2023/5/26	0	1396	99.8209
108	male	57	2019/7/25	IIA	2023/5/26	0	1401	71.0242
109	male	73	2019/11/12	IA	2023/5/26	0	1291	149.2913
110	male	75	2019/8/8	IA	2023/5/26	0	1387	34.4923
111	male	47	2019/8/7	IIA	2023/5/26	0	1388	89.9795
112	male	59	2019/8/2	IA	2023/5/26	0	1393	0.2558
113	female	74	2019/8/2	IIA	2023/5/26	0	1393	27.2938
114	male	55	2019/7/23	IIIA	2020/1/19	1	180	12.3026
115	male	61	2019/5/16	IA	2023/5/26	0	1471	119.7173
116	female	65	2019/4/28	IA	2023/5/26	0	1489	2.2775
117	male	61	2018/8/31	IA	2023/5/26	0	1729	100.9593
118	male	65	2019/5/17	IA	2021/9/28	1	865	3.8359
119	male	58	2018/10/25	IIIA	2019/8/7	1	286	79.704
120	male	68	2019/2/28	IB	2023/5/26	0	1548	146.3522
121	male	56	2019/2/28	IB	2023/5/26	0	1548	0.6845
122	male	62	2018/9/27	IIIB	2023/5/26	0	1702	50.6599
123	male	56	2019/5/18	IB	2023/5/26	0	1469	4.1306
124	male	71	2018/11/9	IA	2023/5/26	0	1659	142.906

**Table S1** (continued)

**Table S1** (continued)

Sample number	Gender	Age	Discovery time	pTNM stage	Last follow-up time	Fustat	Futime	MRGBP H-Score
125	male	58	2019/1/2	IB	2023/5/26	0	1605	8.6728
126	male	55	2018/10/11	IIIA	2023/5/26	0	1688	109.3616
127	male	50	2019/1/22	IIIA	2021/5/26	1	855	7.9791
128	male	71	2018/10/11	IA	2019/12/9	1	424	123.8085
129	male	64	2019/4/2	IB	2023/5/26	0	1515	39.3704
130	male	63	2019/4/2	IA	2023/5/26	0	1515	59.3567
131	male	28	2019/3/18	IA	2023/5/26	0	1530	44.1621
132	male	57	2019/3/7	IA	2023/5/26	0	1541	108.1116
133	male	52	2019/2/21	IB	2023/5/26	0	1555	46.2792
134	male	63	2019/1/22	IIIA	2023/5/26	0	1585	47.0842
135	male	56	2019/9/7	IA	2023/5/26	0	1357	32.5684
136	male	67	2019/5/30	IA	2021/3/11	1	651	27.2863
137	male	75	2019/5/27	IB	2023/5/26	0	1460	13.7956
138	male	57	2018/11/12	IA	2023/5/26	0	1656	149.1036
139	male	64	2019/2/26	IA	2023/5/26	0	1550	15.2275
140	male	60	2019/2/26	IA	2023/5/26	0	1550	45.8308
141	male	74	2018/10/9	IIA	2023/5/26	0	1690	10.2455
142	male	73	2018/10/23	IIIA	2023/5/26	0	1676	32.5531
143	male	68	2018/10/4	IA	2018/12/23	1	80	15.0497
144	male	55	2019/4/9	IA	2023/5/26	0	1508	76.8118
145	male	48	2018/11/6	IIIA	2019/8/15	1	282	2.5367
146	male	50	2018/10/30	IIIA	2019/3/8	1	129	42.6264
147	male	79	2019/2/19	IB	2019/7/13	1	144	17.6713
148	female	75	2018/11/23	IA	2023/5/26	0	1645	89.6099
149	male	54	2019/10/7	IB	2023/5/26	0	1327	13.4805
150	male	66	2019/8/19	IA	2023/5/26	0	1376	32.2598
151	male	66	2019/10/22	IA	2023/5/26	0	1312	5.5353
152	male	65	2019/10/7	IA	2023/5/26	0	1327	4.453
153	male	61	2019/9/6	IA	2023/5/26	0	1358	3.5813
154	male	59	2019/10/8	IA	2023/5/26	0	1326	36.3391
155	female	58	2020/6/9	I	2023/5/26	0	1081	3.3398
156	male	56	2020/7/21	II	2023/5/26	0	1039	106.725
157	male	79	2019/10/9	IA	2023/5/26	0	1325	0.4944
158	male	59	2019/11/19	IIIA	2020/8/14	1	269	93.1628
159	male	84	2019/11/20	IA	2023/5/26	0	1283	4.0074
160	male	65	2019/8/27	IA	2023/5/26	0	1368	32.1046
161	male	50	2019/12/17	IB	2023/5/26	0	1256	4.6834
162	male	68	2019/12/12	IA	2023/5/26	0	1261	38.711
163	male	77	2020/7/16	I	2023/5/26	0	1044	4.6784
164	male	83	2019/12/3	IB	2023/5/26	0	1270	9.8648
165	male	75	2019/12/17	IA	2023/12/11	1	1455	4.3944
166	male	60	2020/1/14	IIA	2023/5/26	0	1228	12.0379
167	male	59	2020/1/14	IB	2023/5/26	0	1228	4.7617
168	male	71	2020/6/9	I	2023/5/26	0	1081	9.5993
169	male	56	2020/1/4	IA	2023/5/26	0	1238	9.6404
170	male	69	2020/6/30	I	2023/5/26	0	1060	32.8851
171	male	76	2020/7/14	II	2023/5/26	0	1046	8.3929
172	male	53	2020/1/17	IA	2023/5/26	0	1225	40.9075
173	male	77	2019/5/7	IIIA	2023/5/26	0	1480	2.9918
174	male	62	2018/10/5	IA	2023/5/26	0	1694	24.7952
175	male	55	2020/5/20	IB	2023/5/26	0	1101	8.5521
176	male	60	2020/5/12	IIA	2023/5/26	0	1109	20.1552
177	male	68	2020/5/14	IA	2023/5/26	0	1107	5.9277
178	female	52	2020/5/26	IA	2023/5/26	1	1095	15.0253
179	male	67	2020/6/18	I	2023/5/26	0	1072	11.2502
180	male	51	2020/6/5	I	2023/5/26	0	1085	10.5276