

**Supplementary Table 2.** The total reads count, mean coverage and percentages of target bases >100X in 66 MSI-H gastric cancer patients.

Sample	Total reads	On bait	Mean coverage (x)	% of target base over 100x
1	22215752	0.653408	489.772121	90.3064
2	24898273	0.621074	518.717590	90.6281
3	20737807	0.578253	391.870147	90.2936
4	20399133	0.615460	413.638253	90.4513
5	23740414	0.582723	460.456494	90.4433
6	13177988	0.542547	225.469112	87.9395
7	15146050	0.518650	247.830917	89.3939
8	16815260	0.550466	296.914479	89.7310
9	27864814	0.697176	667.774853	90.9350
10	16767950	0.574935	316.880077	89.1749
11	18413502	0.636243	391.210805	89.9675
12	22994837	0.632976	490.841660	90.5283
13	14340198	0.533136	242.209752	88.5350
14	20750102	0.679796	478.375876	90.4836
15	14161372	0.573791	261.262951	88.7052
16	25835232	0.710670	635.340668	90.0870
17	20956187	0.612171	434.275357	89.7542
18	20441323	0.601780	413.838047	89.9805
19	8200681	0.620701	161.113063	77.6148
20	13055799	0.514136	209.784519	87.2510
21	10708407	0.472646	153.617727	83.7260
22	14109969	0.527676	238.731295	87.6856
23	6368793	0.314815	56.324406	6.0149
24	14682320	0.500114	231.002899	88.3094
25	23582041	0.662260	534.030143	90.3208
26	19993985	0.581254	386.086471	89.7758
27	17217232	0.517799	287.409664	88.6843
28	21326092	0.643778	467.504242	89.6367
29	17443177	0.626923	368.436555	89.3381
30	13102307	0.628920	275.540608	87.3870
31	12699266	0.576613	234.880641	87.7514
32	11425637	0.553641	205.222273	84.3856
33	12895495	0.625961	267.458863	87.8049
34	7583791	0.525239	122.543486	71.0841
35	12402948	0.589564	238.618003	87.0799
36	11543298	0.625752	235.384835	87.5043

37	13731643	0.637142	288.765824	88.4424
38	16892787	0.608054	337.132953	89.8926
39	13882648	0.522058	230.156340	87.6255
40	18186414	0.575426	339.470093	90.1821
41	22976269	0.615018	480.175900	90.0465
42	31528732	0.713222	774.949547	90.7073
43	31317554	0.680062	735.236281	90.9666
44	23603453	0.614162	492.241654	89.9614
45	21345771	0.584488	416.951801	90.0980
46	19426114	0.521570	333.210815	88.9927
47	21214290	0.633687	453.777119	89.9907
48	17722633	0.527697	302.255256	89.1807
49	26834691	0.242000	202.264482	84.9956
50	9423376	0.400703	116.280789	56.1329
51	12366190	0.477459	188.469887	84.5616
52	6920529	0.420919	87.970445	33.8013
53	11976410	0.430829	163.607761	69.7547
54	17620306	0.482027	278.248175	87.4125
55	9536692	0.454926	136.408706	69.9378
56	6566563	0.406352	81.298200	21.8369
57	15842982	0.456864	233.368157	86.8448
58	19332987	0.507801	327.259228	88.5825
59	10164540	0.461919	148.036376	78.2285
60	9963817	0.443668	139.900385	71.6307
61	14633054	0.513692	248.292620	85.8883
62	16598427	0.594415	326.015036	89.5698
63	20596272	0.639227	451.272981	89.4368
64	29177580	0.711256	728.282683	89.9698
65	21817272	0.605928	451.342378	89.6403
66	20181420	0.585552	396.958645	89.7330