

Supplementary Materials

Supplementary Figure 1

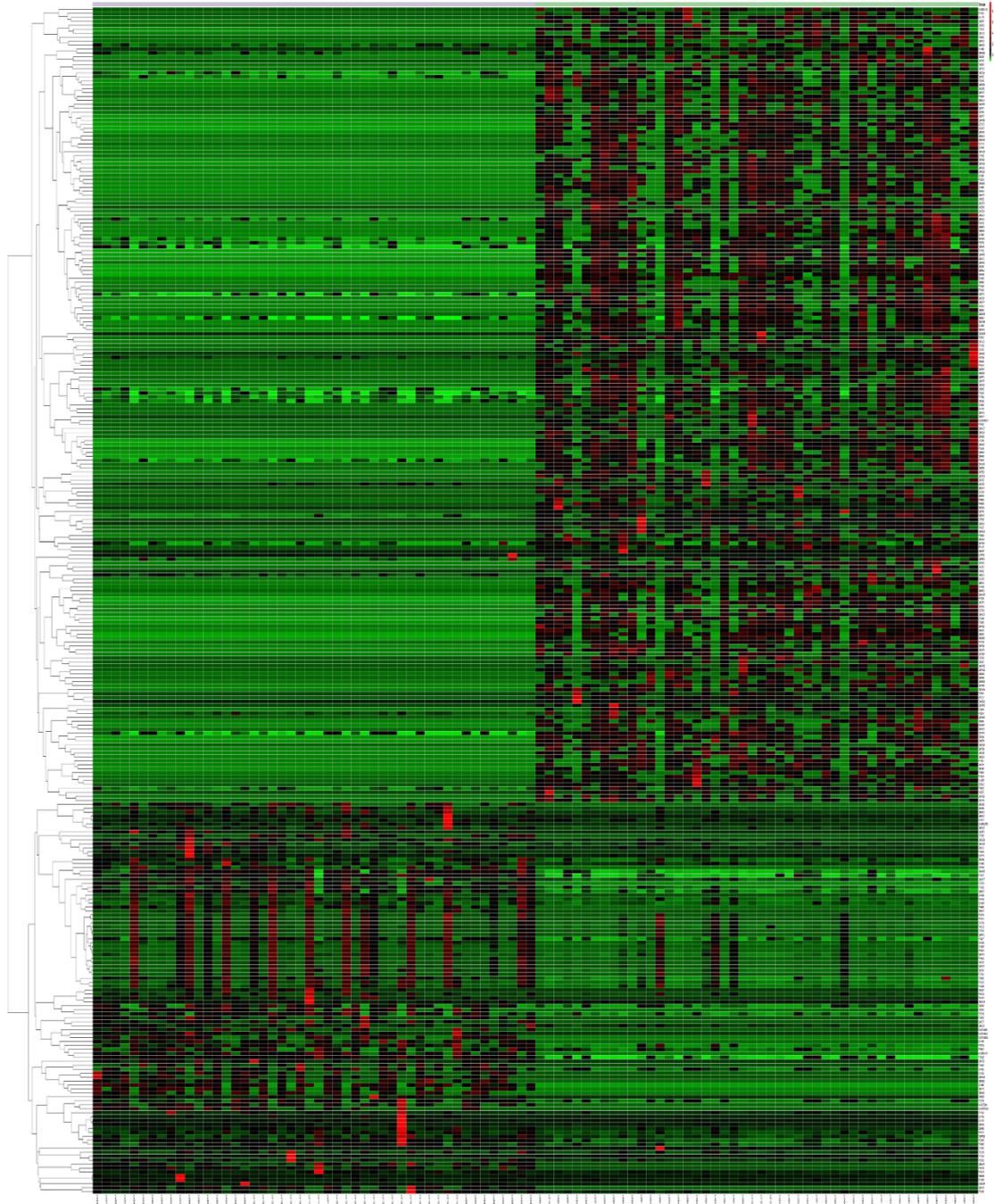
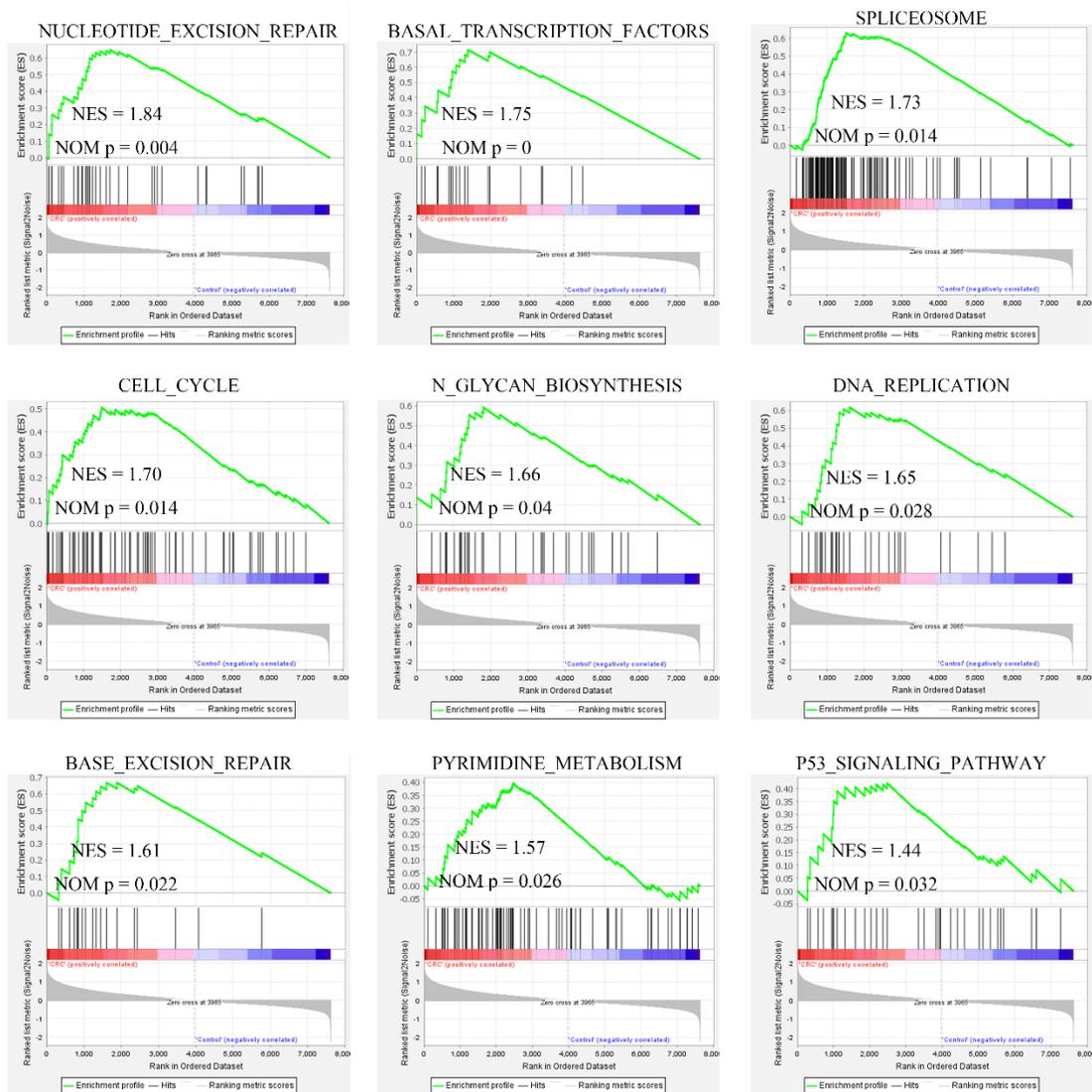


Figure S1 Heatmap of the top 300 differentially expressed proteins between cancer tissues (C) and adjacent noncancerous tissues (CN).

Supplementary Figure 2 and Figure 3



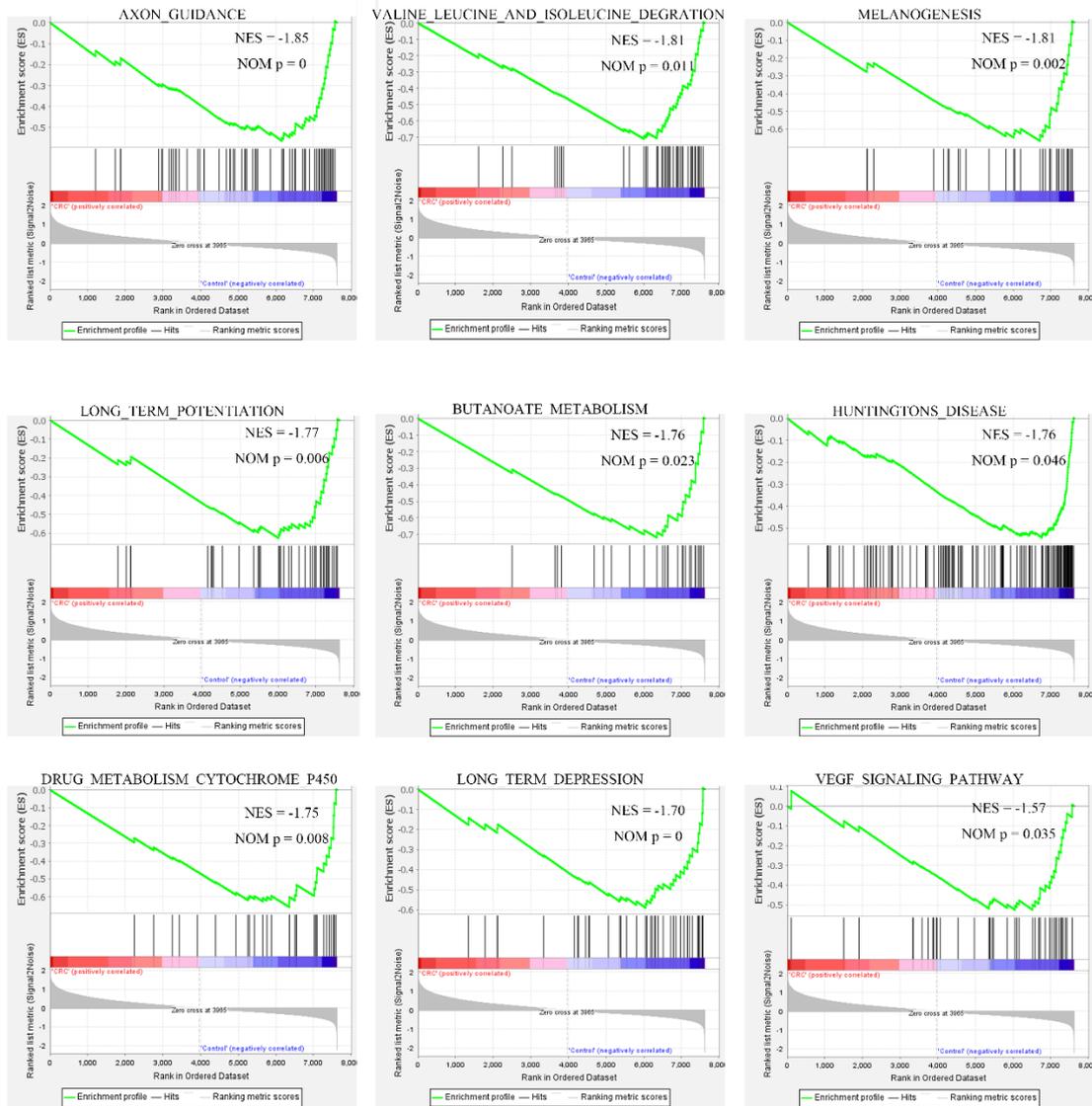


Figure S2 and S3 Gene set enrichment analysis (GSEA) of differentially expressed proteins between cancer (C) and normal tissues (CN). Nine gene sets were significantly enriched in the colorectal cancer (CRC) group and 23 gene sets in the normal group (NES > 1, FDR $q < 0.25$, and NOM p value < 0.05). Gene sets significantly enriched in normal group were partially displayed. NES: Normalized enrichment score; FDR: False discovery rate; NOM p value: Normalized p value.

Supplementary Figure 4

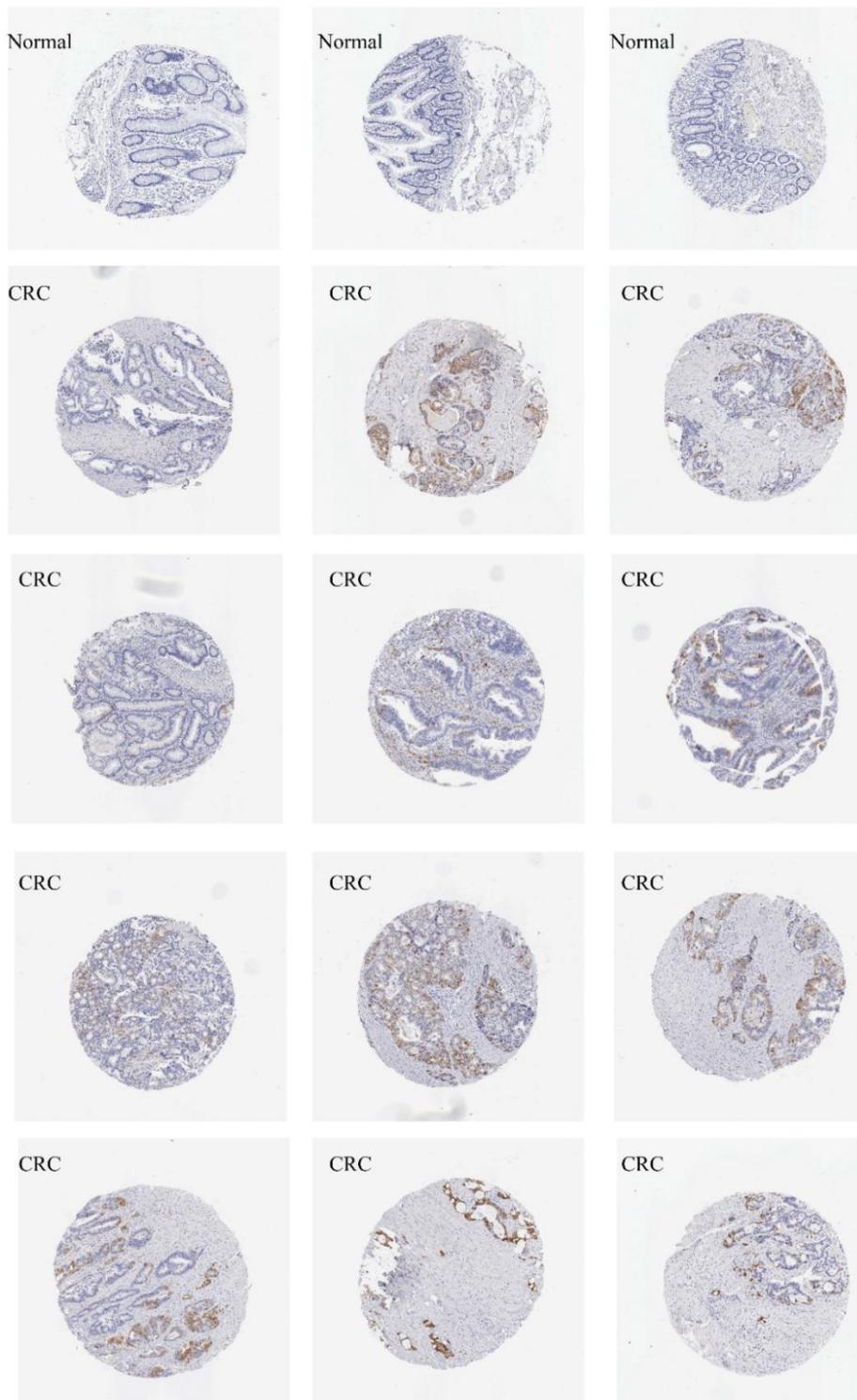


Figure S4 Immunohistochemical images downloaded from **The Human Protein Atlas (v20.proteinatlas.org)**. Brown staining indicates where an antibody labeled with 3,3'-diaminobenzidine (DAB) has bound to its corresponding antigen. CRC: Colorectal cancer.

Supplementary Table 1 The average optical density of colorectal cancer (CRC) and normal immunohistochemical images.

	Tissue Type	Sex	Age (years)	Patient id	AOD
1	Normal	F	55	634	0.232
2	Normal	M	54	966	0.228
3	Normal	M	1	177	0.208
4	CRC	M	49	1121	0.308
5	CRC	F	57	1314	0.410
6	CRC	F	65	416	0.355
7	CRC	M	65	257	0.374
8	CRC	F	67	415	0.370
9	CRC	F	70	157	0.344
10	CRC	F	76	520	0.353
11	CRC	M	76	192	0.363
12	CRC	F	78	442	0.365
13	CRC	F	81	55	0.349
14	CRC	F	86	418	0.368
15	CRC	F	98	1184	0.368

CRC: Colorectal cancer; F: Female; M: Male; AOD: Average optical density.