



S5 Fig. Mutational profiles for microsatellite instable-high (MSI-H) gastric and colorectal cancers from The Cancer Genome Atlas (TCGA) database. (A, B) Genes with high mutation frequency in MSI-H gastric (n=64) (A) and colorectal (n=28) (B) cancers. Upper graph shows the total number of mutations in each cancer type. Left graph shows the p-values from MutSig analysis. Right matrix demonstrates the mutated genes colored by the types of mutations. Each column stands for an individual cancer sample, and each row denotes a gene. (C) Significantly mutated genes in MSI-H gastric and colorectal cancers compared with each other. Left graph shows the p-values for the enrichment of mutations in each cancer type determined by Fisher's exact test (green for gastric cancer and yellow for colorectal cancer). Right matrix demonstrates the significantly mutated genes in each cancer type, colored by the types of mutations. Each column stands for an individual cancer sample, and each row denotes a gene, except for the top rows that represent the cancer types.