



**Figure S3.  $\beta$ -catenin directly recruits Mllt10/Af10 to Wnt targets.** (A) Ls174T CRC lysates were immunoprecipitated with antibodies against TCF4 (left panel) and  $\beta$ -catenin (right panel) and analyzed by Western blotting with the indicated antibodies for binding to MLLT10/Af10 and DOT1L. (B-H)  $\beta$ -catenin-dependent H3K79 methylation and recruitment of MLLT10 and DOT1L to *c-MYC* gene in Ls174T CRC. B) Schematic representation of human *c-MYC* locus and amplicons scanned in ChIP assays by qPCR. ChIP assays in Ls174T CRC uninduced or induced with Dox using antibodies against (C) TCF4 (D)  $\beta$ -catenin (E) MLLT10 (F) DOT1L (G) H3K79 dimethyl and (H) H3K79 trimethyl. Immunoprecipitated DNA was analyzed by qPCR using primer pairs specific for the *c-MYC* locus as indicated. Results are presented as percent immunoprecipitated over input and are representative of three independent experiments.