

Description of Additional Supplementary Files

Title: Supplementary Information

Description: Supplementary Figures 1 – 7 and figure legends

Title: Supplementary Data 1

Description: RNAseq analysis of wt vs *Apc* small intestine.

Title: Supplementary Data 2

Description: List of splicing factors with altered expression following *Apc* deletion.

Title: Supplementary Data 3

Description: SUPPA2 RNA splicing analysis of wt vs *Apc* RNAseq.

Title: Supplementary Data 4

Description: rMATs RNA splicing analysis of wt vs *Apc* RNAseq.

Title: Supplementary Data 5

Description: Overlap of mouse and human alternative splicing events.

Title: Supplementary Data 6

Description: Sequences of gRNAs used for CRISPR screen.

Title: Supplementary Data 7

Description: Statistical analysis of CRISPR screen.

Title: Supplementary Data 8

Description: RNAseq analysis of *Apc* vs *Apc* *Srsf1* small intestine.

Title: Supplementary Data 9

Description: GSEA of *Apc* vs *Apc* *Srsf1* RNAseq results.

Title: Supplementary Data 10

Description: SUPPA2 RNA splicing analysis of Apc vs Apc Srsf1 RNAseq.

Title: Supplementary Data 11

Description: List of discordant RNA splicing events comparing wt vs Apc and Apc vs Apc Srsf1 RNAseq results.

Title: Supplementary Data 12

Description: rMATs RNA splicing analysis of Apc vs Apc Srsf1 RNAseq.

Title: Supplementary Data 13

Description: Kras-4a and Kras-4b BioID results.

Title: Supplementary Data 14

Description: List of primers used in this study