

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: **RNA-Seq data of control and APC-knockdown cells.** Table lists all identified RNAs in protrusions and cell bodies together with associated fold changes and p-values. Additional sheets list RNAs within specific groups and associated cutoffs.

File Name: Supplementary Data 2

Description: **Ingenuity Pathway Analysis (IPA) results**

File Name: Supplementary Data 3

Description: **RNA-Seq data of HBB and Pkp4 cUTR-expressing cells.** Table lists all identified RNAs in protrusions and cell bodies together with associated fold changes and p-values. Additional sheets list RNAs within specific groups and associated cutoffs.