

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: mRNAs differentially expressed in *Pum1*^{-/-} HCT116 cells

File Name: Supplementary Data 2

Description: mRNAs differentially expressed in *Pum2*^{-/-} HCT116 cells

File Name: Supplementary Data 3

Description: Proteins differentially expressed in *Pum1*^{-/-} HCT116 cells

File Name: Supplementary Data 4

Description: Proteins differentially expressed in *Pum2*^{-/-} HCT116 cells

File Name: Supplementary Data 5

Description: KEGG analysis of mRNAs and proteins changed in *Pum1*^{-/-} and *Pum2*^{-/-} cells

File Name: Supplementary Data 6

Description: Summary of statistics for PUM1 PAR-CLIPs in HCT116 cell lines

File Name: Supplementary Data 7

Description: KEGG analysis of PUM1 PARCLIP