

SUPPLEMENTARY INFORMATION FOR:

Mechanistic characterization of the 5'-triphosphate-dependent activation of PKR:  
Lack of 5'-end nucleobase specificity, evidence for a distinct triphosphate binding  
site, and a critical role for the dsRBD

Rebecca Toroney<sup>1,2\*</sup>, Chelsea M. Hull<sup>1</sup>, Joshua E. Sokoloski<sup>1,3</sup>, and Philip C. Bevilacqua<sup>1\*</sup>

<sup>1</sup>*Department of Chemistry and Center for RNA Molecular Biology, Pennsylvania State  
University, University Park, PA 16802, USA.*

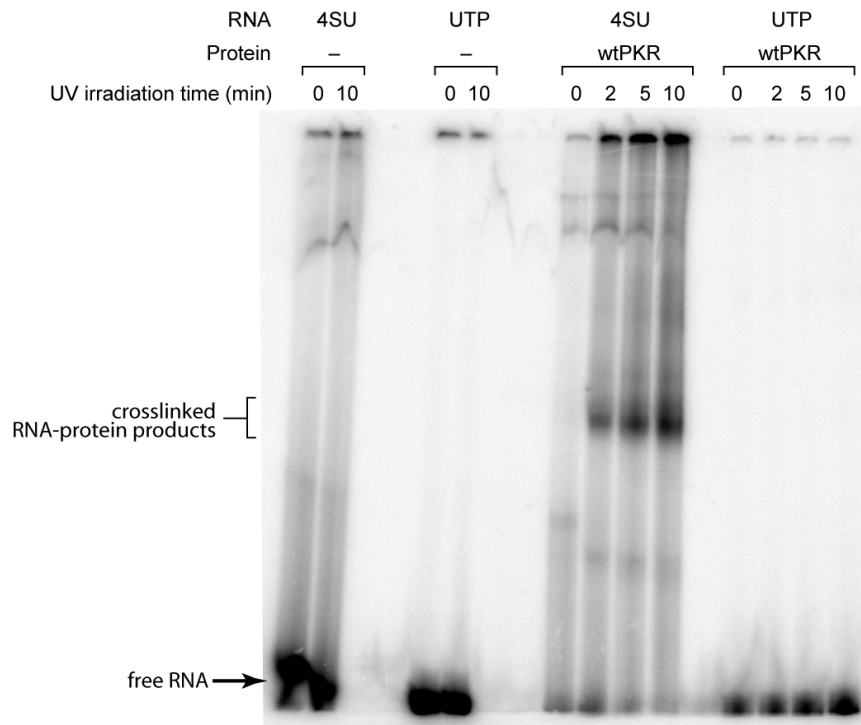
<sup>2</sup>Current Address: *Department of Molecular Genetics and Cell Biology, University of Chicago,  
Chicago, IL, 60637, USA.*

<sup>3</sup>Current Address: *Department of Biochemistry and Molecular Biophysics, Washington  
University St Louis School of Medicine, St. Louis, MO 63110, USA.*

*\*Corresponding authors: rtoroney@uchicago.edu, Phone: (773) 834-5885; pcb5@psu.edu,  
Phone: (814) 863-3812; Fax: (814) 865-2927*

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**Figure S1.** Photochemical crosslinking of ppp-ssRNA-47 with wtPKR is protein-, 4-thioU- and  
UV-dependent.



**Figure S1.** Photochemical crosslinking of ppp-ssRNA-47 with wtPKR is protein-, 4-thioU-, and UV-dependent. 4-thioU-substituted ppp-ssRNA-47 (4SU) or unsubstituted ppp-ssRNA-47 (UTP) was incubated with wtPKR and exposed to 365 nm light for 0, 2, 5, or 10 min and analyzed by 7% denaturing (7M urea) PAGE. Positions of free RNA and crosslinked products are indicated. Protein-dependence of crosslinked products was confirmed by comparing the first and third set of lanes; 4thioUTP-dependence was confirmed by comparing third and fourth set of lanes; and UV-dependence was confirmed by comparing lanes 1 and lanes 2-4 of the third set of lanes.